

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990255

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990255-11	09-FEB-99	EPRI-9902-184	CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	<5.0	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	<.050	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	<1.0	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	<5.0	ppm	BD	11-MAR-99	180	258.1
			MG	<1.0	ppm	MK	27-FEB-99	180	6010
			NA	<5.0	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	<.050	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	5.5	pH	DC	19-FEB-99		150.1
			SE(D)	<.005	ppm	KB	04-MAR-99	180	6020
			SO4=	<2.0	ppm	JN	22-MAR-99	28	9036
			TDS	<10.	ppm	BD	12-FEB-99	7	160.1
			TSS	<1.0	ppm	DC	12-FEB-99		160.2
			ZN(D)	<.020	ppm	MK	27-FEB-99	180	6010
			AS(D)	2.6	ppm	KB	04-MAR-99	180	6020
			CA	203.	ppm	MK	27-FEB-99	180	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	446.	ppm	JN	01-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	5260.	umhos	BD	16-FEB-99	28	120.1
L990255-12	10-FEB-99	EPRI-9902-126	CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	5.0	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	333.	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	100.	ppm	BD	11-MAR-99	180	258.1
			MG	104.	ppm	MK	27-FEB-99	180	6010
			NA	720.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	15.	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	7.6	pH	DC	19-FEB-99		150.1
			SE(D)	.28	ppm	KB	04-MAR-99	180	6020
			SO4=	1593.	ppm	JN	22-MAR-99	28	9036
			TDS	4083.	ppm	BD	12-FEB-99	7	160.1

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L990255-12	10-FEB-99	EPRI-9902-126	TSS	13.	ppm	DC	12-FEB-99	160.2	
			ZN(D)	.045	ppm	MK	27-FEB-99	180	6010
			AS(D)	2.6	ppm	KB	04-MAR-99	180	6020
			CA	214.	ppm	MK	27-FEB-99	180	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	453.	ppm	JN	01-MAR-99	28	325.2
			CO3	<1.0	ppm	CaCO3	19-FEB-99	310.1	
			COND.	5270.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	5.1	ppm	BD	17-FEB-99	28	340.2
			FE(D)	.11	ppm	MK	27-FEB-99	180	6010
			HCO3	334.	ppm	DC	19-FEB-99	14	310.1
L990255-13	10-FEB-99	EPRI-9902-185	K	100.	ppm	BD	11-MAR-99	180	258.1
			MG	105.	ppm	MK	27-FEB-99	180	6010
			NA	700.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	15.	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	8.3	pH	DC	19-FEB-99	150.1	
			SE(D)	.29	ppm	KB	04-MAR-99	180	6020
			SO4=	1725.	ppm	JN	22-MAR-99	28	9036
			TDS	4065.	ppm	BD	12-FEB-99	7	160.1
			TSS	14.	ppm	DC	12-FEB-99	160.2	
			ZN(D)	.055	ppm	MK	27-FEB-99	180	6010
			AS(D)	.039	ppm	KB	04-MAR-99	180	6020
			CA	398.	ppm	MK	27-FEB-99	180	6010
L990255-14	10-FEB-99	EPRI-9902-131	CD(D)	.011	ppm	KB	04-MAR-99	180	6020
			CL-	684.	ppm	JN	01-MAR-99	28	325.2
			CO3	20.	ppm	CaCO3	19-FEB-99	310.1	
			COND.	9520.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	1.9	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	185.	ppm	DC	19-FEB-99	14	310.1
			K	30.	ppm	BD	11-MAR-99	180	258.1
			MG	130.	ppm	MK	27-FEB-99	180	6010

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L990255-14	10-FEB-99	EPRI-9902-131	NA	1480.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	86.	ppm	JN	09-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	8.5	PH	DC	19-FEB-99		150.1
			SE(D)	.48	ppm	KB	04-MAR-99	180	6020
			SO4=	2783.	ppm	JN	22-MAR-99	28	9036
			TDS	7962.	ppm	BD	12-FEB-99	7	160.1
			TSS	29.	ppm	DC	12-FEB-99		160.2
			ZN(D)	.084	ppm	MK	27-FEB-99	180	6010
			AS(D)	.77	ppm	KB	04-MAR-99	180	6020
			CA	197.	ppm	MK	27-FEB-99	180	6010
			CD(D)	.024	ppm	KB	04-MAR-99	180	6020
			CL-	399.	ppm	JN	01-MAR-99	28	325.2
			CO3	32.	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	4500.	umhos	BD	16-FEB-99	28	120.1
L990255-15	10-FEB-99	EPRI-9902-129	CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	2.9	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	288.	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	55.	ppm	BD	11-MAR-99	180	258.1
			MG	80.	ppm	MK	27-FEB-99	180	6010
			NA	660.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	4.8	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	8.5	PH	DC	19-FEB-99		150.1
			SE(D)	.27	ppm	KB	04-MAR-99	180	6020
			SO4=	1074.	ppm	JN	22-MAR-99	28	9036
			TDS	3379.	ppm	BD	12-FEB-99	7	160.1
			TSS	17.	ppm	DC	12-FEB-99		160.2
			ZN(D)	.13	ppm	MK	27-FEB-99	180	6010
L990255-16	10-FEB-99	EPRI-9902-130	AS(D)	.027	ppm	KB	04-MAR-99	180	6020
			CA	251.	ppm	MK	27-FEB-99	180	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	1029.	ppm	JN	01-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	8440.	umhos	BD	16-FEB-99	28	120.1

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L990255-16	10-FEB-99	EPRI-9902-130	CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	2.2	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	435.	ppm	DC	19-FEB-99	14	310.1
			K	45.	ppm	BD	11-MAR-99	180	258.1
			MG	161.	ppm	MK	27-FEB-99	180	6010
			NA	1450.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	7.3	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	7.8	pH	DC	19-FEB-99	180	150.1
			SE(D)	.21	ppm	KB	15-MAR-99	180	6020
			SO4=	2829.	ppm	JN	22-MAR-99	28	9036
			TDS	6515.	ppm	BD	12-FEB-99	7	160.1
			TSS	20.	ppm	DC	12-FEB-99	180	160.2
			ZN(D)	.039	ppm	MK	27-FEB-99	180	6010
L990255-17	10-FEB-99	EPRI-9902-127	AS(D)	.009	ppm	KB	04-MAR-99	180	6020
			CA	570.	ppm	MK	27-FEB-99	180	6010
			CD(D)	.005	ppm	KB	04-MAR-99	180	6020
			CL-	1135.	ppm	JN	01-MAR-99	28	325.2
			CO3	<1.0	ppm	DC	19-FEB-99	180	310.1
			COND.	8670.	unhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	1.7	ppm	BD	17-FEB-99	28	340.2
			FE(D)	1.3	ppm	MK	27-FEB-99	180	6010
			HCO3	250.	ppm	DC	19-FEB-99	14	310.1
			K	17.	ppm	BD	11-MAR-99	180	258.1
			MG	226.	ppm	MK	27-FEB-99	180	6010
			NA	1130.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	57.	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	7.8	pH	DC	19-FEB-99	180	150.1
			SE(D)	.25	ppm	KB	15-MAR-99	180	6020
			SO4=	2540.	ppm	JN	22-MAR-99	28	9036
			TDS	7317.	ppm	BD	12-FEB-99	7	160.1
			TSS	38.	ppm	DC	12-FEB-99	180	160.2
			ZN(D)	.059	ppm	MK	27-FEB-99	180	6010

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L990255-18	10-FEB-99	EPRI-9902-133	AS(D)	9.1	ppm	KB	04-MAR-99	180
			CA	585.	ppm	MK	27-FEB-99	180
			CD(D)	.034	ppm	KB	04-MAR-99	180
			CL-	622.	ppm	JN	01-MAR-99	28
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99	310.1
			COND.	7720.	umhos	BD	16-FEB-99	28
			CR(D)	<.010	ppm	MK	27-FEB-99	180
			CU(D)	<.025	ppm	KB	04-MAR-99	180
			F-	3.3	ppm	BD	17-FEB-99	28
			FE(D)	<.10	ppm	MK	27-FEB-99	180
			HCO3	407.	ppm CaCO3	DC	19-FEB-99	14
			K	55.	ppm	BD	11-MAR-99	180
			MG	139.	ppm	MK	27-FEB-99	180
			NA	1100.	ppm	BD	23-MAR-99	180
			NO2/NO3	34.	ppm	JN	08-MAR-99	28
			PB(D)	<.003	ppm	KB	04-MAR-99	180
			PH	8.0	pH	DC	19-FEB-99	150.1
			SE(D)	.20	ppm	KB	04-MAR-99	180
			SO4=	3054.	ppm	JN	22-MAR-99	28
			TDS	6808.	ppm	BD	12-FEB-99	7
			TSS	7.9	ppm	DC	12-FEB-99	160.2
			ZN(D)	.22	ppm	MK	27-FEB-99	180
L990255-19	10-FEB-99	EPRI-9902-154	AS(D)	.007	ppm	KB	15-MAR-99	180
			CA	167.	ppm	MK	27-FEB-99	180
			CD(D)	<.005	ppm	KB	04-MAR-99	180
			CL-	292.	ppm	JN	01-MAR-99	28
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99	310.1
			COND.	2770.	umhos	BD	16-FEB-99	28
			CR(D)	<.010	ppm	MK	27-FEB-99	180
			CU(D)	<.025	ppm	KB	04-MAR-99	180
			F-	.79	ppm	BD	17-FEB-99	28
			FE(D)	<.10	ppm	MK	27-FEB-99	180
			HCO3	210.	ppm CaCO3	DC	19-FEB-99	14
			K	19.	ppm	BD	11-MAR-99	180
			MG	67.	ppm	MK	27-FEB-99	180
			NA	330.	ppm	BD	23-MAR-99	180
			NO2/NO3	7.6	ppm	JN	08-MAR-99	28
			PB(D)	<.003	ppm	KB	04-MAR-99	180

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L990255-19	10-FEB-99	EPRI-9902-154	PH	8.0	pH	DC	19-FEB-99		150.1
			SE(D)	.023	ppm	KB	04-MAR-99	180	6020
			SO4=	686.	ppm	JN	22-MAR-99	28	9036
			TDS	1978.	ppm	BD	12-FEB-99	7	160.1
			TSS	7.5	ppm	DC	12-FEB-99		160.2
			ZN(D)	.037	ppm	MK	27-FEB-99	180	6010
			AS(D)	.016	ppm	KB	04-MAR-99	180	6020
			CA	492.	ppm	MK	27-FEB-99	180	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	346.	ppm	JN	01-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	4340.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
L990255-20	10-FEB-99	EPRI-9902-134	F-	.79	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	210.	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	15.	ppm	BD	11-MAR-99	180	258.1
			MG	141.	ppm	MK	27-FEB-99	180	6010
			NA	390.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	14.	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	7.7	pH	DC	19-FEB-99		150.1
			SE(D)	.13	ppm	KB	15-MAR-99	180	6020
			SO4=	1343.	ppm	JN	22-MAR-99	28	9036
			TDS	3438.	ppm	BD	12-FEB-99	7	160.1
			TSS	13.	ppm	BD	12-FEB-99		160.2
			ZN(D)	.043	ppm	MK	27-FEB-99	180	6010
L990255-21	10-FEB-99	EPRI-9902-137	AS(D)	.12	ppm	KB	04-MAR-99	180	6020
			CA	344.	ppm	MK	01-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	47.	ppm	JN	01-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	5940.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	.89	ppm	BD	17-FEB-99	28	340.2

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L990255-21	10-FEB-99	EPRI-9902-137	FE(D)	<.10		MK	27-FEB-99	180	6010
			HCO3	235.	ppm	CaCO3	19-FEB-99	14	310.1
			K	20.	ppm	BD	11-MAR-99	180	258.1
			MG	172.	ppm	MK	27-FEB-99	180	6010
			NA	730.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	34.	ppm	JN	09-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	7.7	ph	DC	19-FEB-99		150.1
			SE(D)	.21	ppm	KB	04-MAR-99	180	6020
			SO4=	1840.	ppm	JN	22-MAR-99	28	9036
			TDS	5085.	ppm	BD	12-FEB-99	7	160.1
			TSS	4.5	ppm	BD	12-FEB-99		160.2
			ZN(D)	.025	ppm	MK	27-FEB-99	180	6010
			AS(D)	.83	ppm	KB	04-MAR-99	180	6020
			CA	309.	ppm	MK	27-FEB-99	180	6010
			CD(D)	.014	ppm	KB	04-MAR-99	180	6020
			CL-	518.	ppm	JN	01-MAR-99	28	325.2
			CO3	<1.0	ppm	CaCO3	19-FEB-99		310.1
			COND.	6080.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
L990255-22	10-FEB-99	EPRI-9902-136	F-	1.1	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	231.	ppm	CaCO3	19-FEB-99	14	310.1
			K	30.	ppm	BD	11-MAR-99	180	258.1
			MG	158.	ppm	MK	27-FEB-99	180	6010
			NA	790.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	20.	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	7.7	ph	DC	19-FEB-99		150.1
			SE(D)	.18	ppm	KB	04-MAR-99	180	6020
			SO4=	1970.	ppm	JN	22-MAR-99	28	9036
			TDS	4910.	ppm	BD	12-FEB-99	7	160.1
			TSS	1.7	ppm	BD	12-FEB-99		160.2
			ZN(D)	.24	ppm	MK	27-FEB-99	180	6010
			AS(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CA	<1.0	ppm	MK	27-FEB-99	180	6010
L990255-23	10-FEB-99	EPRI-9902-186	AS(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CA	<1.0	ppm	MK	27-FEB-99	180	6010

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L990255-23	10-FEB-99	EPRI-9902-186	CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	<1.0	ppm	JN	01-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	<5.0	umbos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	<.050	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	1.5	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	<5.0	ppm	BD	11-MAR-99	180	258.1
			MG	<1.0	ppm	MK	27-FEB-99	180	6010
			NA	<5.0	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	<.050	ppm	JN	10-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	6.0	pH	DC	19-FEB-99		150.1
			SE(D)	<.005	ppm	KB	04-MAR-99	180	6020
			SO4=	<2.0	ppm	JN	22-MAR-99	28	9036
			TDS	<10.	ppm	BD	12-FEB-99	7	160.1
			TSS	<1.0	ppm	BD	12-FEB-99		160.2
			ZN(D)	<.020	ppm	MK	27-FEB-99	180	6010
L990255-24	11-FEB-99	EPRI-9902-122	AS(D)	55.	ppm	KB	04-MAR-99	180	6020
			CA	527.	ppm	MK	27-FEB-99	180	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	819.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	10240.	umbos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	19.	ppm	BD	17-FEB-99	28	340.2
			FE(D)	95.	ppm	MK	27-FEB-99	180	6010
			HCO3	576.	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	175.	ppm	BD	11-MAR-99	180	258.1
			MG	362.	ppm	MK	27-FEB-99	180	6010
			NA	1350.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	.092	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	6.7	pH	DC	19-FEB-99		150.1
			SE(D)	.079	ppm	KB	04-MAR-99	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990255

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990255-24	11-FEB-99	EPRI-9902-122	SO4=	3941.	ppm	JN	22-MAR-99	28	9036
			TDS	8827.	ppm	BD	12-FEB-99	7	160.1
			TSS	303.	ppm	BD	12-FEB-99		160.2
			ZN(D)	41.	ppm	MK	27-FEB-99	180	6010
			AS(D)	.17	ppm	KB	04-MAR-99	180	6020
			CA	206.	ppm	MK	27-FEB-99	180	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	1021.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm	DC	19-FEB-99		310.1
			COND.	5800.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	2.5	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	27-FEB-99	180	6010
			HCO3	1292.	ppm	DC	19-FEB-99	14	310.1
			K	35.	ppm	BD	11-MAR-99	180	258.1
L990255-25	11-FEB-99	EPRI-9902-112	MG	80.	ppm	MK	27-FEB-99	180	6010
			NA	920.	ppm	BD	19-FEB-99	14	310.1
			NO2/NO3	.20	ppm	BD	11-MAR-99	180	258.1
			PB(D)	<.003	ppm	MK	27-FEB-99	180	6010
			PH	7.8	ppm	BD	23-MAR-99	180	273.1
			SE(D)	.005	ppm	JN	08-MAR-99	28	353.2
			SO4=	206.	pH	KB	04-MAR-99	180	6020
			TDS	3336.	ppm	DC	19-FEB-99		150.1
			TSS	79.	ppm	KB	15-MAR-99	180	6020
			ZN(D)	<.020	ppm	JN	22-MAR-99	28	9036
			AS(D)	.81	ppm	BD	12-FEB-99	7	160.1
			CA	152.	ppm	BD	12-FEB-99		160.2
			CD(D)	<.005	ppm	MK	27-FEB-99	180	6010
			CL-	462.	ppm	KB	04-MAR-99	180	6020
			CO3	<1.0	ppm	JN	02-MAR-99	28	325.2
			COND.	5470.	ppm	DC	19-FEB-99		310.1
L990255-26	11-FEB-99	EPRI-9902-111	CR(D)	<.010	umhos	BD	16-FEB-99	28	120.1
			CU(D)	<.025	ppm	MK	27-FEB-99	180	6010
			F-	3.2	ppm	KB	04-MAR-99	180	6020
			FE(D)	.33	ppm	BD	17-FEB-99	28	340.2
			HCO3	363.	ppm	MK	01-MAR-99	180	6010
					ppm	DC	19-FEB-99	14	310.1
					ppm				
					ppm				
					ppm				
					ppm				

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El Paso

Water and Solid Waste (Project 3220)

Batch No: L990255

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990255-26	11-FEB-99	EPRI-9902-111	K	65.	ppm	BD	11-MAR-99	180	258.1
			MG	80.	ppm	MK	01-MAR-99	180	6010
			NA	640.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	<.050	ppm	JN	08-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	7.8	PH	DC	19-FEB-99		150.1
			SE(D)	.011	ppm	KB	15-MAR-99	180	6020
			SO4=	1144.	ppm	JN	22-MAR-99	28	9036
			TDS	3346.	ppm	BD	12-FEB-99	7	160.1
			TSS	150.	ppm	BD	12-FEB-99		160.2
			ZN(D)	<.020	ppm	MK	01-MAR-99	180	6010
			AS(D)	.028	ppm	KB	04-MAR-99	180	6020
			CA	50.	ppm	MK	27-FEB-99	180	6010
			CD(D)	.008	ppm	KB	04-MAR-99	180	6020
			CL-	454.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	5350.	umhos	BD	16-FEB-99	28	120.1
L990255-27	11-FEB-99	EPRI-9902-153	CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	2.4	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	01-MAR-99	180	6010
			HCO3	537.	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	9.0	ppm	BD	11-MAR-99	180	258.1
			MG	31.	ppm	MK	01-MAR-99	180	6010
			NA	1060.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	.51	ppm	JN	10-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	8.2	PH	DC	19-FEB-99		150.1
			SE(D)	.018	ppm	KB	15-MAR-99	180	6020
			SO4=	1720.	ppm	JN	22-MAR-99	28	9036
			TDS	3822.	ppm	BD	12-FEB-99	7	160.1
			TSS	143.	ppm	BD	12-FEB-99		160.2
			ZN(D)	.077	ppm	MK	01-MAR-99	180	6010
L990255-28	11-FEB-99	EPRI-9902-170	AS(D)	1.9	ppm	KB	04-MAR-99	180	6020
			CA	173.	ppm	MK	27-FEB-99	180	6010
			CD(D)	.046	ppm	KB	04-MAR-99	180	6020
			CL-	565.	ppm	JN	02-MAR-99	28	325.2

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Batch No: L990255

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990255-28	11-FEB-99	EPRI-9902-170	CO3	<1.0	ppm CaCO3	DC	19-FEB-99	310.1	
			COND.	4740.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	7.1	ppm	BD	17-FEB-99	28	340.2
			FE(D)	1.2	ppm	MK	01-MAR-99	180	6010
			HCO3	159.	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	50.	ppm	BD	11-MAR-99	180	258.1
			MG	39.	ppm	MK	01-MAR-99	180	6010
			NA	770.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	<.050	ppm	JN	10-MAR-99	28	353.2
			PB(D)	-003	ppm	KB	04-MAR-99	180	6020
			PH	7.8	pH	DC	19-FEB-99		150.1
			SE(D)	.007	ppm	KB	15-MAR-99	180	6020
			SO4=	1472.	ppm	JN	22-MAR-99	28	9036
			TDS	3460.	ppm	BD	12-FEB-99	7	160.1
			TSS	5.0	ppm	BD	12-FEB-99		160.2
			ZN(D)	.27	ppm	MK	01-MAR-99	180	6010
L990255-29	11-FEB-99	EPRI-9902-187	AS(D)	1.9	ppm	KB	04-MAR-99	180	6020
			CA	171.	ppm	MK	27-FEB-99	180	6010
			CD(D)	.046	ppm	KB	04-MAR-99	180	6020
			CL-	571.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	4770.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	7.1	ppm	BD	17-FEB-99	28	340.2
			FE(D)	1.2	ppm	MK	01-MAR-99	180	6010
			HCO3	159.	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	55.	ppm	BD	11-MAR-99	180	258.1
			MG	38.	ppm	MK	01-MAR-99	180	6010
			NA	780.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	<.050	ppm	JN	10-MAR-99	28	353.2
			PB(D)	-003	ppm	KB	04-MAR-99	180	6020
			PH	7.8	pH	DC	19-FEB-99		150.1
			SE(D)	.006	ppm	KB	15-MAR-99	180	6020
			SO4=	1563.	ppm	JN	22-MAR-99	28	9036
			TDS	3471.	ppm	BD	12-FEB-99	7	160.1

ASARCO TECHNICAL SERVICES CENTER

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El Paso

Water and Solid Waste (Project 3220)

Batch No: L990255

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD	DATE	METHOD
L990255-29	11-FEB-99	EPRI-9902-187	TSS	5.1	ppm	BD	12-FEB-99		12-FEB-99	160.2
			ZN(D)	.27	ppm	MK	01-MAR-99	180	01-MAR-99	6010
			AS(D)	.024	ppm	KB	04-MAR-99	180	04-MAR-99	6020
			CA	124.	ppm	MK	27-FEB-99	180	27-FEB-99	6010
			CD(D)	.007	ppm	KB	04-MAR-99	180	04-MAR-99	6020
			CL-	414.	ppm	JN	02-MAR-99	28	02-MAR-99	325.2
			CO3	<1.0	ppm	DC	19-FEB-99		19-FEB-99	310.1
			COND.	4290.	umhos	BD	16-FEB-99	28	16-FEB-99	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	27-FEB-99	6010
			CU(D)	.041	ppm	KB	04-MAR-99	180	04-MAR-99	6020
			F-	2.1	ppm	BD	17-FEB-99	28	17-FEB-99	340.2
			FE(D)	<.10	ppm	MK	01-MAR-99	180	01-MAR-99	6010
			HCO3	317.	ppm	DC	19-FEB-99	14	19-FEB-99	310.1
			K	15.	ppm	BD	11-MAR-99	180	11-MAR-99	258.1
			MG	75.	ppm	MK	01-MAR-99	180	01-MAR-99	6010
			NA	710.	ppm	BD	23-MAR-99	180	23-MAR-99	273.1
			NO2/NO3	6.2	ppm	JN	09-MAR-99	28	09-MAR-99	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	04-MAR-99	6020
			PH	7.8	pH	DC	19-FEB-99		19-FEB-99	150.1
			SE(D)	.097	ppm	KB	15-MAR-99	180	15-MAR-99	6020
			SO4=	903.	ppm	JN	22-MAR-99	28	22-MAR-99	9036
			TDS	3129.	ppm	BD	12-FEB-99	7	12-FEB-99	160.1
			TSS	1.7	ppm	BD	12-FEB-99		12-FEB-99	160.2
			ZN(D)	.087	ppm	MK	01-MAR-99	180	01-MAR-99	6010
			AS(D)	.15	ppm	KB	04-MAR-99	180	04-MAR-99	6020
			CA	132.	ppm	MK	27-FEB-99	180	27-FEB-99	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	04-MAR-99	6020
			CL-	321.	ppm	JN	02-MAR-99	28	02-MAR-99	325.2
			CO3	<1.0	ppm	DC	19-FEB-99		19-FEB-99	310.1
			COND.	3340.	umhos	BD	16-FEB-99	28	16-FEB-99	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	27-FEB-99	6010
			CU(D)	<.025	ppm	KB	04-MAR-99	180	04-MAR-99	6020
			F-	.65	ppm	BD	17-FEB-99	28	17-FEB-99	340.2
			FE(D)	<.10	ppm	MK	01-MAR-99	180	01-MAR-99	6010
			HCO3	245.	ppm	DC	19-FEB-99	14	19-FEB-99	310.1
			K	10.	ppm	BD	11-MAR-99	180	11-MAR-99	258.1
			MG	67.	ppm	MK	01-MAR-99	180	01-MAR-99	6010
L990255-31	11-FEB-99	EPRI-9902-155								

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990255

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990255-31	11-FEB-99	EPRI-9902-155	NA	500.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	12.	ppm	JN	10-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020
			PH	7.9	pH	DC	19-FEB-99		150.1
			SE(D)	.42	ppm	KB	04-MAR-99	180	6020
			SO4=	808.	ppm	JN	22-MAR-99	28	9036
			TDS	2434.	ppm	BD	12-FEB-99	7	160.1
			TSS	260.	ppm	BD	12-FEB-99		160.2
			ZN(D)	<.020	ppm	MK	01-MAR-99	180	6010
			AS(D)	6.2	ppm	KB	04-MAR-99	180	6020
			CA	227.	ppm	MK	27-FEB-99	180	6010
			CD(D)	.016	ppm	KB	04-MAR-99	180	6020
			CL-	579.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	5450.	umhos	BD	16-FEB-99	28	120.1
			CR(D)	<.010	ppm	MK	27-FEB-99	180	6010
L990255-32	11-FEB-99	EPRI-9902-142	CU(D)	<.025	ppm	KB	04-MAR-99	180	6020
			F-	3.1	ppm	BD	17-FEB-99	28	340.2
			FE(D)	<.10	ppm	MK	01-MAR-99	180	6010
			HCO3	243.	ppm CaCO3	DC	19-FEB-99	14	310.1
			K	40.	ppm	BD	11-MAR-99	180	258.1
			MG	50.	ppm	MK	01-MAR-99	180	6010
			NA	850.	ppm	BD	23-MAR-99	180	273.1
			NO2/NO3	.59	ppm	JN	10-MAR-99	28	353.2
			PB(D)	.005	ppm	KB	04-MAR-99	180	6020
			PH	7.8	pH	DC	19-FEB-99		150.1
			SE(D)	.025	ppm	KB	04-MAR-99	180	6020
			SO4=	1798.	ppm	JN	22-MAR-99	28	9036
			TDS	4029.	ppm	BD	12-FEB-99	7	160.1
			TSS	256.	ppm	BD	12-FEB-99		160.2
			ZN(D)	.025	ppm	MK	01-MAR-99	180	6010
L990255-33	11-FEB-99	EPRI-9902-188	AS(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CA	<1.0	ppm	MK	27-FEB-99	180	6010
			CD(D)	<.005	ppm	KB	04-MAR-99	180	6020
			CL-	<1.0	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	<5.0	umhos	BD	16-FEB-99	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990255

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD DAYS	METHOD
							ANALYZED	ANALYZED		
L990255-33	11 FEB-99	EPRI-9902-188	CR(D)	<.010	ppm	MK	27-FEB-99	180	6010	
			CU(D)	<.025	ppm	KB	04-MAR-99	180	6020	
			F-	<.050	ppm	BD	17-FEB-99	28	340.2	
			FE(D)	<.10	ppm	MK	01-MAR-99	180	6010	
			HCO3	1.0	ppm	DC	19-FEB-99	14	310.1	
			K	<5.0	ppm	BD	11-MAR-99	180	258.1	
			MG	<1.0	ppm	MK	01-MAR-99	180	6010	
			NA	<5.0	ppm	BD	23-MAR-99	180	273.1	
			NO2/NO3	<.050	ppm	JN	10-MAR-99	28	353.2	
			PB(D)	<.003	ppm	KB	04-MAR-99	180	6020	
			PH	5.8	pH	DC	19-FEB-99		150.1	
			SE(D)	<.005	ppm	KB	04-MAR-99	180	6020	
			SO4=	<2.0	ppm	JN	22-MAR-99	28	9036	
			TDS	<10.	ppm	BD	12-FEB-99	7	160.1	
			TSS	<1.0	ppm	BD	12-FEB-99		160.2	
			ZN(D)	<.020	ppm	MK	01-MAR-99	180	6010	

PH is a field parameter therefore holding time cannot be met by the laboratory.
Sample holding time for sulphate was exceeded.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990149

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	ME-HOE
WG990149-1		Matrix Spike	AS (D)	95	% RECOVERY	KB	04-MAR-99	6020	
			CD (D)	81	% RECOVERY	KB	04-MAR-99	6020	
			CL-	99	% RECOVERY	JN	01-MAR-99	325.2	
			CR (D)	99	% RECOVERY	MK	27-FEB-99	6010	
			CU (D)	76	% RECOVERY	KB	04-MAR-99	6020	
			F-	115	% RECOVERY	BD	17-FEB-99	340.2	
			FE (D)	106	% RECOVERY	MK	27-FEB-99	6010	
			NO2/NO3	92	% RECOVERY	JN	08-MAR-99	353.2	
			PB (D)	79	% RECOVERY	KB	04-MAR-99	6020	
			SE (D)	91	% RECOVERY	KB	04-MAR-99	6020	
			SO4=	90	% RECOVERY	JN	22-MAR-99	9036	
			ZN (D)	101	% RECOVERY	MK	27-FEB-99	6010	
			AS (D)	<.005	ppm	KB	04-MAR-99	6020	
			CA	<1.0	ppm	MK	27-FEB-99	6010	
			CD (D)	<.005	ppm	KB	04-MAR-99	6020	
			CL-	<1.0	ppm	JN	01-MAR-99	325.2	
WG990149-2		Prep Blank	CO3	<1.0	ppm CaCO3	DC	19-FEB-99	310.1	
			COND.	<5.0	umhos	BD	16-FEB-99	120.1	
			CR (D)	<.010	ppm	MK	27-FEB-99	6010	
			CU (D)	<.025	ppm	KB	04-MAR-99	6020	
			F-	<.050	ppm	BD	17-FEB-99	340.2	
			FE (D)	<1.0	ppm	MK	27-FEB-99	6010	
			HCO3	<1.0	ppm CaCO3	DC	19-FEB-99	310.1	
			K	<5.0	ppm	BD	11-MAR-99	258.1	
			MG	<1.0	ppm	MK	27-FEB-99	6010	
			NA	<5.0	ppm	BD	23-MAR-99	273.1	
			NO2/NO3	<.050	ppm	JN	08-MAR-99	353.2	
			PB (D)	<.003	ppm	KB	04-MAR-99	6020	
			SE (D)	<.005	ppm	KB	04-MAR-99	6020	
			SO4=	<2.0	ppm	JN	22-MAR-99	9036	
			TDS	<10.	ppm	BD	12-FEB-99	160.1	
			TSS	<1.0	ppm	DC	12-FEB-99	160.2	
WG990149-3		Laboratory Control	ZN (D)	<.020	ppm	MK	27-FEB-99	6010	
			AS (D)	103	% RECOVERY	KB	04-MAR-99	6020	
			CA	104	% RECOVERY	MK	27-FEB-99	6010	
			CD (D)	103	% RECOVERY	KB	04-MAR-99	6020	
			CL-	98	% RECOVERY	JN	01-MAR-99	325.2	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990149

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	WORLD DAYS METHOD
WG990149-3		Laboratory Control	COND.	100	%	RECOVERY BD	16-FEB-99	120.1
			CR(D)	100	%	RECOVERY MK	27-FEB-99	6010
			CU(D)	100	%	RECOVERY KB	04-MAR-99	6020
			F-	100	%	RECOVERY BD	17-FEB-99	340.2
			FE(D)	106	%	RECOVERY MK	27-FEB-99	6010
			HCO3	104	%	RECOVERY DC	19-FEB-99	310.1
			K	100	%	RECOVERY BD	11-MAR-99	258.1
			MG	102	%	RECOVERY MK	27-FEB-99	6010
			NA	95	%	RECOVERY BD	23-MAR-99	273.1
			NO2/NO3	101	%	RECOVERY JN	08-MAR-99	353.2
			PB(D)	98	%	RECOVERY KB	04-MAR-99	6020
			SE(D)	103	%	RECOVERY KB	04-MAR-99	6020
			SO4=	105	%	RECOVERY JN	22-MAR-99	9036
			TDS	99	%	RECOVERY BD	12-FEB-99	160.1
			TSS	98	%	RECOVERY DC	12-FEB-99	160.2
			ZN(D)	98	%	RECOVERY MK	27-FEB-99	6010
WG990149-4		Duplicate	AS(D)	<1	%	RPD	04-MAR-99	6020
			CA	<1	%	RPD	27-FEB-99	6010
			CD(D)	<1	%	RPD	04-MAR-99	6020
			CL-	1.0	%	RPD	01-MAR-99	325.2
			CO3	<1	%	RPD	19-FEB-99	310.1
			COND.	<1	%	RPD	16-FEB-99	120.1
			CR(D)	<1	%	RPD	27-FEB-99	6010
			CU(D)	<1	%	RPD	04-MAR-99	6020
			F-	1.5	%	RPD	17-FEB-99	340.2
			FE(D)	7.1	%	RPD	27-FEB-99	6010
			HCO3	<1	%	RPD	19-FEB-99	310.1
			K	11	%	RPD	11-MAR-99	258.1
			MG	4.2	%	RPD	27-FEB-99	6010
			NA	3.0	%	RPD	23-MAR-99	273.1
			NO2/NO3	<1	%	RPD	08-MAR-99	353.2
			PB(D)	<1	%	RPD	04-MAR-99	6020
			SE(D)	3.4	%	RPD	04-MAR-99	6020
			SO4=	<1	%	RPD	22-MAR-99	9036
			TDS	<1	%	RPD	12-FEB-99	160.1
			TSS	2.5	%	RPD	12-FEB-99	160.2
			ZN(D)	+/-prdl	%	RPD	27-FEB-99	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990149

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990149-5		Practical Quantitation Limit	AS(D)	.005	ppm				6020
			CA	1.0	ppm				6010
			CD(D)	.005	ppm				6020
			CL-	1.0	ppm				325.2
			CO3	1.0	ppm CaCO3				310.1
			COND.	5.0	umhos				120.1
			CR(D)	.010	ppm				6010
			CU(D)	.025	ppm				6020
			F-	.050	ppm				340.2
			FE(D)	1.0	ppm				6010
			HCO3	1.0	ppm CaCO3				310.1
			K	5.0	ppm				258.1
			MG	1.0	ppm				6010
			NA	5.0	ppm				273.1
			NO2/NO3	.050	ppm				353.2
			PB(D)	.003	ppm				6020
			SE(D)	.005	ppm				6020
			SO4=	2.0	ppm				9036
			TDS	1.0	ppm				160.1
			TSS	1.0	ppm				160.2
WG990149-6		Matrix Spike	ZN(D)	.020	ppm				6010
			AS(D)	SR>4xSA	% RECOVERY KB		04-MAR-99		6020
			CD(D)	94	% RECOVERY KB		04-MAR-99		6020
			CL-	101	% RECOVERY JN		02-MAR-99		325.2
			CR(D)	91	% RECOVERY MK		01-MAR-99		6010
			CU(D)	86	% RECOVERY KB		04-MAR-99		6020
			F-	96	% RECOVERY BD		17-FEB-99		340.2
			FE(D)	95	% RECOVERY MK		01-MAR-99		6010
			NO2/NO3	92	% RECOVERY JN		09-MAR-99		353.2
			PB(D)	91	% RECOVERY KB		04-MAR-99		6020
			SE(D)	95	% RECOVERY KB		04-MAR-99		6020
			SO4=	97	% RECOVERY JN		22-MAR-99		9036
			ZN(D)	111	% RECOVERY MK		01-MAR-99		6010
			AS(D)	<.005	ppm	KB	04-MAR-99		6020
WG990149-7		Prep Blank	CA	<1.0	ppm	MK	27-FEB-99		6010
			CD(D)	<.005	ppm	KB	04-MAR-99		6020
			CL-	<1.0	ppm	JN	02-MAR-99		325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990149

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990149-7		Prep Blank	CO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			COND.	<5.0	umhos	BD	16-FEB-99		120.1
			CR (D)	<.010	ppm	MK	01-MAR-99		6010
			CU (D)	<.025	ppm	KB	04-MAR-99		6020
			F-	<.050	ppm	BD	17-FEB-99		340.2
			FE (D)	<.10	ppm	MK	01-MAR-99		6010
			HCO3	<1.0	ppm CaCO3	DC	19-FEB-99		310.1
			K	<5.0	ppm	BD	11-MAR-99		258.1
			Mg	<1.0	ppm	MK	01-MAR-99		6010
			NA	<5.0	ppm	BD	23-MAR-99		273.1
			NO2/NO3	<.050	ppm	JN	09-MAR-99		353.2
			PB (D)	<.003	ppm	KB	04-MAR-99		6020
			SE (D)	<.005	ppm	KB	04-MAR-99		6020
			SO4=	<2.0	ppm	JN	22-MAR-99		9036
			TDS	<10.	ppm	BD	12-FEB-99		160.1
			TSS	<1.0	ppm	BD	12-FEB-99		160.2
			ZN (D)	<.020	ppm	MK	01-MAR-99		6010
WG990149-8		Laboratory Control	AS (D)	95	% RECOVERY	KB	04-MAR-99		6020
			CA	109	% RECOVERY	MK	27-FEB-99		6010
			CD (D)	103	% RECOVERY	KB	04-MAR-99		6020
			CL-	104	% RECOVERY	JN	02-MAR-99		325.2
			COND.	100	% RECOVERY	BD	16-FEB-99		120.1
			CR (D)	98	% RECOVERY	MK	01-MAR-99		6010
			CU (D)	100	% RECOVERY	KB	04-MAR-99		6020
			F-	103	% RECOVERY	BD	17-FEB-99		340.2
			FE (D)	104	% RECOVERY	MK	01-MAR-99		6010
			HCO3	103	% RECOVERY	DC	19-FEB-99		310.1
			K	110	% RECOVERY	BD	11-MAR-99		258.1
			Mg	104	% RECOVERY	MK	01-MAR-99		6010
			NA	97	% RECOVERY	BD	23-MAR-99		273.1
			NO2/NO3	99	% RECOVERY	JN	09-MAR-99		353.2
			PB (D)	98	% RECOVERY	KB	04-MAR-99		6020
			SE (D)	110	% RECOVERY	KB	04-MAR-99		6020
			SO4=	103	% RECOVERY	JN	22-MAR-99		9036
			TDS	96	% RECOVERY	BD	12-FEB-99		160.1
			TSS	89	% RECOVERY	BD	12-FEB-99		160.2
			ZN (D)	96	% RECOVERY	MK	01-MAR-99		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990149

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	MOID	DNYS	METHOD
WG990149.9		Duplicate	AS(D)	<1	% RPD	KB	04-MAR-99			6020
			CA	2.7	% RPD	MK	27-FEB-99			6010
			CD(D)	<1	% RPD	KB	04-MAR-99			6020
			CL-	3.8	% RPD	JN	02-MAR-99			325.2
			CO3	<1	% RPD	DC	19-FEB-99			310.1
			COND.	<1	% RPD	BD	16-FEB-99			120.1
			CR(D)	<1	% RPD	MK	01-MAR-99			6010
			CU(D)	<1	% RPD	KB	04-MAR-99			6020
			F-	2.9	% RPD	BD	17-FEB-99			340.2
			FE(D)	<1	% RPD	MK	01-MAR-99			6010
			HCO3	<1	% RPD	DC	19-FEB-99			310.1
			K	9.5	% RPD	BD	11-MAR-99			258.1
			MG	2.0	% RPD	MK	01-MAR-99			6010
			NA	2.2	% RPD	BD	23-MAR-99			273.1
			NO2/NO3	4.2	% RPD	JN	09-MAR-99			353.2
			PB(D)	<1	% RPD	KB	04-MAR-99			6020
			SE(D)	<1	% RPD	KB	04-MAR-99			6020
			SO4=	1.6	% RPD	JN	22-MAR-99			9036
			TDS	<1	% RPD	BD	12-FEB-99			160.1
			TSS	6.4	% RPD	BD	12-FEB-99			160.2
			ZN(D)	<1	% RPD	MK	01-MAR-99			6010

Approved

Reviewer

Hydrometrics, Inc.

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

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		NO. OF CON-TAINERS		ANALYSIS							REMARKS	
0931		ASARCO - EL PASO, TX		3		Commons UF/RAW	Nutrients UF/H ₂ SO ₄	Dist. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTEX	TPH	
DATE	TIME	COMP	GRAB	SAMPLE NUMBER										
2/18/99	1345			EPR1-9902-106	3	X	X	X						
	1500			EPR1-9902-105	3	X	X	X						
	1545			EPR1-9902-107	3	X	X	X						
	1550			EPR1-9902-181	3	X	X	X						
	1630			EPR1-9902-182	3	X	X	X						
2/19/99	1330			EPR1-9902-118	3	X	X	X						
	1335			EPR1-9902-183	3	X	X	X						
	1355			EPR1-9902-119	3	X	X	X						
	1425			EPR1-9902-121	3	X	X	X						
	1450			EPR1-9902-139	3	X	X	X						
	1530			EPR1-9902-184	3	X	X	X						
2/10/99	846			EPR1-9902-126	3	X	X	X						
	845			EPR1-9902-185	3	X	X	X						
	855			EPR1-9902-131	3	X	X	X						
	920			EPR1-9902-129	3	X	X	X						
Relinquished (Signature)		Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, Fed Ex, UPS						
2/12/99		2/12/99		TSC-SATE LAKECITY, UT				Other						
2/16/99		2/16/99		Remarks				Air Bill #						
Relinquished (Signature)		Received by: (Signature)		Date/Time		Date/Time		Enclosed: <input checked="" type="checkbox"/> Parameter sheet w/detection limits						
2/10/99		2/10/99		2.12.99 9:55		2.12.99 9:55		<input type="checkbox"/> QA/QC standard mixing instructions						
Relinquished (Signature)		Received for Laboratory by: (Signature)		Date/Time		Date/Time		<input type="checkbox"/> Other						
2/10/99		2/10/99		2.12.99 9:55		2.12.99 9:55		<input checked="" type="checkbox"/> Cover letter						
Relinquished (Signature)		Received by: (Signature)		Date/Time		Date/Time		Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined						
2/10/99		2/10/99		2.12.99 9:55		2.12.99 9:55								

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
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Return results & electronic copy to:
Computer Dept at address at top of page

Psychophysics

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HFORM-1-4/95

Split Samples:
☐ Accepted ☐ Declined

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990290

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990290-1	18-FEB-99	EPRI-9902-145	AS(D)	0.009	ppm	KPB	03-MAR-99	180	6020M
			CA	220.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CL-	373.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99	310.1	
			COND.	5290.	umhos	AKH	22-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	1.3	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			HCO3	405.	ppm CaCO3	DC	23-FEB-99	14	310.1
			K	23.	ppm	MK	02-MAR-99	180	6010
			MG	92.	ppm	MK	02-MAR-99	180	6010
			NA	1016.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	9.8	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	03-MAR-99	180	6020M
			PH	7.5	pH units	AKH	22-FEB-99	150.1	
			SE(D)	.046	ppm	MKH	02-MAR-99	180	6010
			SO4=	1573.	ppm	JN	23-MAR-99	28	9036
			TDS	4048.	ppm	DC	22-FEB-99	7	160.1
L990290-2	18-FEB-99	EPRI-9902-146	TSS	45.	ppm	AKH	22-FEB-99	160.2	
			ZN(D)	.052	ppm	MK	02-MAR-99	180	6010
			AS(D)	0.21	ppm	KPB	03-MAR-99	180	6020M
			CA	164.	ppm	MK	02-MAR-99	180	6010
			CD(D)	0.007	ppm	KPB	03-MAR-99	180	6020M
			CL-	97.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99	310.1	
			COND.	2550.	umhos	AKH	22-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	1.4	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			HCO3	411.	ppm CaCO3	DC	23-FEB-99	14	310.1
			K	17.	ppm	MK	02-MAR-99	180	6010
			MG	84.	ppm	MK	02-MAR-99	180	6010
			NA	364.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	9.7	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	03-MAR-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990290

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990290-2	18-FEB-99	EPRI-9902-146	PH	7.4	pH units	AKH	22-FEB-99	150.1	
			SE(D)	.19	ppm	MKH	02-MAR-99	180	6010
			SO4=	658.	ppm	JN	23-MAR-99	28	9036
			TDS	2018.	ppm	DC	22-FEB-99	7	160.1
			TSS	16.	ppm	AKH	22-FEB-99		160.2
			ZN(D)	.11	ppm	MK	02-MAR-99	180	6010
			AS(D)	2.5	ppm	MK	02-MAR-99	180	6010
			CA	91.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CL-	193.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99		310.1
			COND.	2770.	umhos	AKH	22-FEB-99	28	120.1
L990290-3	18-FEB-99	EPRI-9902-150	CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	3.7	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			HCO3	300.	ppm CaCO3	DC	23-FEB-99	14	310.1
			K	34.	ppm	MK	02-MAR-99	180	6010
			MG	42.	ppm	MK	02-MAR-99	180	6010
			NA	483.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	7.2	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	03-MAR-99	180	6020M
			PH	7.6	pH units	AKH	22-FEB-99		150.1
			SE(D)	.16	ppm	MKH	02-MAR-99	180	6010
L990290-4	18-FEB-99	EPRI-9902-189	SO4=	584.	ppm	JN	23-MAR-99	28	9036
			TDS	1998.	ppm	DC	22-FEB-99	7	160.1
			TSS	7.3	ppm	AKH	22-FEB-99		160.2
			ZN(D)	.029	ppm	MK	02-MAR-99	180	6010
			AS(D)	2.6	ppm	MK	02-MAR-99	180	6010
			CA	92.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CL-	200.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99		310.1
			COND.	2770.	umhos	AKH	22-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	3.8	ppm	BD	04-MAR-99	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990290

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLD
L990290-4	18-FEB-99	EPRI-9902-189	FE(D)	<.1	ppm	MK	02-MAR-99	180
			HCO3	304.	ppm	DC	23-FEB-99	14
			K	36.	ppm	MK	02-MAR-99	180
			MG	44.	ppm	MK	02-MAR-99	180
			NA	500.	ppm	AKH	08-MAR-99	180
			NO2/NO3	6.6	ppm	JN	11-MAR-99	28
			PB(D)	<.003	ppm	KPB	03-MAR-99	180
			PH	7.7	pH units	AKH	22-FEB-99	150.1
			SE(D)	.16	ppm	MKH	02-MAR-99	180
			SO4=	623.	ppm	JN	23-MAR-99	28
			TDS	1724.	ppm	DC	22-FEB-99	7
			TSS	5.6	ppm	AKH	22-FEB-99	160.2
			ZN(D)	.044	ppm	MK	02-MAR-99	180
								6010
L990290-5	18-FEB-99	EPRI-9902-143	AS(D)	4.7	ppm	MK	02-MAR-99	180
			CA	72.	ppm	MK	02-MAR-99	180
			CD(D)	<.005	ppm	KPB	03-MAR-99	180
			CL-	298.	ppm	JN	02-MAR-99	28
			CO3	<.1	ppm	DC	23-FEB-99	310.1
			COND.	3450.	umhos	AKH	22-FEB-99	28
			CR(D)	<.01	ppm	MK	02-MAR-99	180
			CU(D)	<.025	ppm	MK	02-MAR-99	180
			F-	4.0	ppm	BD	04-MAR-99	28
			FE(D)	<.1	ppm	MK	02-MAR-99	180
			HCO3	297.	ppm	DC	23-FEB-99	14
			K	77.	ppm	DC	23-FEB-99	14
			MG	38.	ppm	MK	02-MAR-99	180
			NA	606.	ppm	MK	02-MAR-99	180
			NO2/NO3	10.	ppm	AKH	08-MAR-99	180
			PB(D)	<.003	ppm	JN	11-MAR-99	28
			PH	7.9	pH units	KPB	03-MAR-99	180
			SE(D)	.20	ppm	AKH	22-FEB-99	150.1
			SO4=	760.	ppm	MKH	02-MAR-99	180
			TDS	2315.	ppm	JN	23-MAR-99	28
			TSS	22.	ppm	DC	22-FEB-99	7
			ZN(D)	.029	ppm	AKH	22-FEB-99	160.2
						MK	02-MAR-99	180
								6010
L990290-6	18-FEB-99	EPRI-9902-147	AS(D)	0.005	ppm	KPB	03-MAR-99	180
			CA	136.	ppm	MK	02-MAR-99	180
								6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990290

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD	
								DRYS	METHOD
L990290-6	18-FEB-99	EPRI-9902-147	CD(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CL-	513.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99		310.1
			COND.	4720.	umhos	AKH	22-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	3.0	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			HCO3	345.	ppm CaCO3	DC	23-FEB-99	14	310.1
			K	33.	ppm	MK	02-MAR-99	180	6010
			MG	70.	ppm	MK	02-MAR-99	180	6010
			NA	930.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	10.	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	03-MAR-99	180	6020M
			PH	7.6	pH units	AKH	22-FEB-99		150.1
			SE(D)	.13	ppm	MKH	02-MAR-99	180	6010
			SO4=	825.	ppm	JN	23-MAR-99	28	9036
			TDS	3490.	ppm	DC	22-FEB-99	7	160.1
			TSS	22.	ppm	AKH	22-FEB-99		160.2
			ZN(D)	.038	ppm	MK	02-MAR-99	180	6010
L990290-7	18-FEB-99	EPRI-9902-135	AS(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CA	185.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CL-	436.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99		310.1
			COND.	3840.	umhos	AKH	22-FEB-99	28	120.1
			CR(D)	0.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	0.73	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			HCO3	214.	ppm CaCO3	DC	23-FEB-99	14	310.1
			K	17.	ppm	MK	02-MAR-99	180	6010
			MG	86.	ppm	MK	02-MAR-99	180	6010
			NA	586.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	35.	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	03-MAR-99	180	6020M
			PH	7.5	pH units	AKH	22-FEB-99		150.1
			SE(D)	.16	ppm	MKH	02-MAR-99	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990290

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990290-7	18-FEB-99	EPRI-9902-135	SO4=	861.	ppm	JN	23-MAR-99	28	9036
			TDS	2926.	ppm	DC	22-FEB-99	7	160.1
			TSS	49.	ppm	AKH	22-FEB-99		160.2
			ZN(D)	.062	ppm	MK	02-MAR-99	180	6010
			AS(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CA	40.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CL-	250.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99		310.1
			COND.	2600.	umhos	AKH	22-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	2.8	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
L990290-8	18-FEB-99	EPRI-9902-151	HCO3	291.	ppm CaCO3	DC	23-FEB-99	14	310.1
			K	12.	ppm	MK	02-MAR-99	180	6010
			MG	28.	ppm	MK	02-MAR-99	180	6010
			NA	516.	ppm	MK	02-MAR-99	180	6010
			NO2/NO3	6.2	ppm	AKH	08-MAR-99	180	325B
			PB(D)	<.003	ppm	JN	11-MAR-99	28	353.2
			PH	7.9	ppm	KPB	03-MAR-99	180	6020M
			SE(D)	.020	pH units	AKH	22-FEB-99		150.1
			SO4=	390.	ppm	MKH	02-MAR-99	180	6010
			TDS	1759.	ppm	JN	23-MAR-99	28	9036
			TSS	42.	ppm	DC	22-FEB-99	7	160.1
			ZN(D)	.049	ppm	AKH	22-FEB-99		160.2
					ppm	MK	02-MAR-99	180	6010
					ppm				
L990290-9	18-FEB-99	EPRI-9902-144	AS(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CA	48.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CL-	397.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99		310.1
			COND.	4650.	umhos	AKH	22-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	4.6	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			HCO3	386.	ppm CaCO3	DC	23-FEB-99	14	310.1
					ppm				
					ppm				
					ppm				
					ppm				

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990290

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DATE	
L990290-9	18-FEB-99	EPRI-9902-144	X	12.	ppm	MK	02-MAR-99	180	6010
			MG	53.	ppm	MK	02-MAR-99	180	6010
			NA	1016.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	10.	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	03-MAR-99	180	6020M
			PH	7.8	pH units	AKH	22-FEB-99	150.1	
			SE(D)	.092	ppm	MKH	02-MAR-99	180	6010
			SO4=	1172.	ppm	JN	23-MAR-99	28	9036
			TDS	3360.	ppm	DC	22-FEB-99	7	160.1
			TSS	12.	ppm	AKH	22-FEB-99	160.2	
			ZN(D)	.041	ppm	MK	02-MAR-99	180	6010
			AS(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CA	<1	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	03-MAR-99	180	6020M
			CL-	<1	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	23-FEB-99	310.1	
			COND.	<10	umhos	AKH	22-FEB-99	28	120.1
L990290-10	18-FEB-99	EPRI-9902-190	CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	02-MAR-99	180	6010
			F-	<.05	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			HCO3	<1	ppm CaCO3	DC	23-FEB-99	14	310.1
			K	<5	ppm	MK	02-MAR-99	180	6010
			MG	<1	ppm	MK	02-MAR-99	180	6010
			NA	<5	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	<.1	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	03-MAR-99	180	6020M
			PH	5.9	pH units	AKH	22-FEB-99	150.1	
			SE(D)	<.005	ppm	MKH	02-MAR-99	180	6010
			SO4=	<1	ppm	JN	23-MAR-99	28	9036
			TDS	<10	ppm	DC	22-FEB-99	7	160.1
			TSS	<1	ppm	AKH	22-FEB-99	160.2	
			ZN(D)	<.02	ppm	MK	02-MAR-99	180	6010

ASARCO TECHNICAL SERVICES CENTER



ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990290

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

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990157

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FOLD	METHOD
WG990157-1		Matrix Spike	AS (D)	87	% RECOVERY	MK	02-MAR-99		6010
			CD (D)	84	% RECOVERY	KPB	03-MAR-99		6020M
			CL-	105	% RECOVERY	JN	02-MAR-99		325.2
			CR (D)	98	% RECOVERY	MK	02-MAR-99		6010
			CU (D)	104	% RECOVERY	MK	02-MAR-99		6010
			F-	101	% RECOVERY	BD	04-MAR-99		340.2
			FE (D)	97	% RECOVERY	MK	02-MAR-99		6010
			NO2/NO3	102	% RECOVERY	JN	11-MAR-99		353.2
			PB (D)	95	% RECOVERY	KPB	03-MAR-99		6020M
			SE (D)	79	% RECOVERY	MKH	02-MAR-99		6010
			SO4=	104	% RECOVERY	JN	23-MAR-99		9036
			ZN (D)	99	% RECOVERY	MK	02-MAR-99		6010
			AS (D)	<.005	ppm	KPB	03-MAR-99		6020M
			CA	<1	ppm	MK	02-MAR-99		6010
			CD (D)	<.005	ppm	KPB	03-MAR-99		6020M
			CL-	<1	ppm	JN	02-MAR-99		325.2
			CO3	<1	ppm	CaCO3	DC	23-FEB-99	310.1
WG990157-2		Prep Blank	COND.	<10	umhos	AKH	22-FEB-99		120.1
			CR (D)	<.01	ppm	MK	02-MAR-99		6010
			CU (D)	<.025	ppm	MK	02-MAR-99		6010
			F-	<.05	ppm	BD	04-MAR-99		340.2
			FE (D)	<.1	ppm	MK	02-MAR-99		6010
			HCO3	<1	ppm	CaCO3	DC	23-FEB-99	310.1
			K	<5	ppm	MK	02-MAR-99		6010
			MG	<1	ppm	MK	02-MAR-99		6010
			NA	<5	ppm	AKH	08-MAR-99		325B
			NO2/NO3	<.05	ppm	JN	11-MAR-99		353.2
			PB (D)	<.003	ppm	KPB	03-MAR-99		6020M
			PH	5.9	pH units	AKH	22-FEB-99		150.1
			SE (D)	<.005	ppm	KPB	03-MAR-99		6020M
			SO4=	<1	ppm	JN	23-MAR-99		9036
			TDS	<10	ppm	DC	22-FEB-99		160.1
			TSS	<1	ppm	AKH	22-FEB-99		160.2
			ZN (D)	<.02	ppm	MK	02-MAR-99		6010
WG990157-3		Laboratory Control	AS (D)	94	% RECOVERY	KPB	03-MAR-99		6020M
			CA	112	% RECOVERY	MK	02-MAR-99		6010
			CD (D)	92	% RECOVERY	KPB	03-MAR-99		6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990157

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID
WG990157-3		Laboratory Control	CL-	96	% RECOVERY	JN	02-MAR-99	325.2
			COND.	99	% RECOVERY	AKH	22-FEB-99	120.1
			CR(D)	102	% RECOVERY	MK	02-MAR-99	6010
			CU(D)	97	% RECOVERY	MK	02-MAR-99	6010
			F-	99	% RECOVERY	BD	04-MAR-99	340.2
			FE(D)	101	% RECOVERY	MK	02-MAR-99	6010
			K	112	% RECOVERY	MK	02-MAR-99	6010
			MG	106	% RECOVERY	MK	02-MAR-99	6010
			NA	108	% RECOVERY	AKH	08-MAR-99	325B
			NO2/NO3	108	% RECOVERY	JN	11-MAR-99	353.2
			PH(D)	98	% RECOVERY	KPB	03-MAR-99	6020M
			PH	98	% RECOVERY	AKH	22-FEB-99	150.1
			SE(D)	83	% RECOVERY	MKH	02-MAR-99	6010
			SO4=	100	% RECOVERY	JN	23-MAR-99	9036
			TDS	105	% RECOVERY	DC	22-FEB-99	160.1
			TSS	100	% RECOVERY	AKH	22-FEB-99	160.2
			ZN(D)	95	% RECOVERY	MK	02-MAR-99	6010
WG990157-4		Duplicate	AS(D)	<1	% RPD	KPB	03-MAR-99	6020M
			CA	<1	% RPD	MK	02-MAR-99	6010
			CD(D)	<1	% RPD	KPB	03-MAR-99	6020M
			CL-	3.4	% RPD	JN	02-MAR-99	325.2
			CO3	<1	% RPD	DC	23-FEB-99	310.1
			COND.	2.1	% RPD	AKH	22-FEB-99	120.1
			CR(D)	<1	% RPD	MK	02-MAR-99	6010
			CU(D)	<1	% RPD	MK	02-MAR-99	6010
			F-	2.9	% RPD	BD	04-MAR-99	340.2
			FE(D)	<1	% RPD	MK	02-MAR-99	6010
			HCO3	<1	% RPD	DC	23-FEB-99	310.1
			K	12	% RPD	MK	02-MAR-99	6010
			MG	3.2	% RPD	MK	02-MAR-99	6010
			NA	<1	% RPD	AKH	08-MAR-99	325B
			NO2/NO3	<1	% RPD	JN	11-MAR-99	353.2
			PH(D)	<1	% RPD	KPB	03-MAR-99	6020M
			PH	<1	% RPD	AKH	22-FEB-99	150.1
			SE(D)	<1	% RPD	MKH	02-MAR-99	6010
			SO4=	+/-CRDL	% RPD	JN	23-MAR-99	9036
			TDS	1.7	% RPD	DC	22-FEB-99	160.1
			TSS	<1	% RPD	AKH	22-FEB-99	160.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990157

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990157-4		Duplicate	ZN(D)	12	% RPD	MK	02-MAR-99		6010
			AS(D)	0.005	ppm				6020M
			CA	1.	ppm				6010
			CD(D)	0.005	ppm				6020M
			CL-	1.	ppm				325.2
			CO3	1.	ppm CaCO3				310.1
			COND.	10.	umhos				120.1
			CR(D)	0.01	ppm				6010
			CU(D)	0.025	ppm				6010
			F-	0.05	ppm				340.2
			FE(D)	0.1	ppm				6010
			HCO3	1.	ppm CaCO3				310.1
			K	5.	ppm				6010
			MG	1.	ppm				6010
			NA	5.	ppm				325B
			NO2/NO3	0.05	ppm				353.2
			PB(D)	0.003	ppm				6020M
			SE(D)	0.005	ppm				6020M
			SO4=	1.	ppm				9036
			TDS	10.	ppm				160.1
			TSS	1.	ppm				160.2
			ZN(D)	0.02	ppm				6010

Approved

Reviewer

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

Ильинский, И. С.

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ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990309

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE
L990309-1	19-FEB-99	EPRI-9902-159	AS(D)	.006	ppm	KPB	10-MAR-99	180
			AS(TR)	.005	ppm	KPB	10-MAR-99	180
			CA	116.	ppm	MK	02-MAR-99	180
			CD(D)	<.005	ppm	KPB	10-MAR-99	180
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180
			CL-	247.	ppm	JN	02-MAR-99	28
			CO3	<1	ppm CaCO3	DC	24-FEB-99	310.1
			COND.	2100.	umhos	AKH	26-FEB-99	28
			CR(D)	<.01	ppm	MK	02-MAR-99	180
			CR(TR)	<.01	ppm	MK	03-MAR-99	6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180
			F-	.78	ppm	BD	04-MAR-99	28
			FE(D)	<.1	ppm	MK	02-MAR-99	180
			FE(TR)	.58	ppm	MK	03-MAR-99	180
			HCO3	251.	ppm CaCO3	DC	24-FEB-99	14
			K	16.	ppm	MK	02-MAR-99	180
			MG	31.	ppm	MK	02-MAR-99	180
			NA	310.	ppm	AKH	08-MAR-99	180
			NO2/NO3	1.5	ppm	JN	16-MAR-99	28
			PB(D)	<.003	ppm	KPB	10-MAR-99	180
			PB(TR)	<.003	ppm	KPB	10-MAR-99	180
			PH	8.3	ph units	DC	24-FEB-99	150.1
			SE(D)	<.005	ppm	KPB	10-MAR-99	180
			SE(TR)	<.005	ppm	KPB	10-MAR-99	6020M
			SO4=	288.	ppm	JN	23-MAR-99	28
			TDS	1116.	ppm	AKH	24-FEB-99	7
			TSS	24.	ppm	AKH	24-FEB-99	160.2
			ZN(D)	<.02	ppm	KPB	10-MAR-99	180
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180
L990309-2	19-FEB-99	EPRI-9902-165	AS(D)	.006	ppm	KPB	10-MAR-99	180
			AS(TR)	.006	ppm	KPB	10-MAR-99	180
			CA	117.	ppm	MK	02-MAR-99	180
			CD(D)	<.005	ppm	KPB	10-MAR-99	180
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180
			CL-	238.	ppm	JN	02-MAR-99	28
			CO3	<1	ppm CaCO3	DC	24-FEB-99	310.1
			COND.	2090.	umhos	AKH	26-FEB-99	28
								120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990309

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990309-2	19-FEB-99	EPRI-9902-165	CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99		6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	.80	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			FE(TR)	.62	ppm	MK	03-MAR-99	180	6010
			HCO3	249.	ppm	DC	24-FEB-99	14	310.1
			K	16.	ppm	MK	02-MAR-99	180	6010
			MG	32.	ppm	MK	02-MAR-99	180	6010
			NA	300.	ppm	MK	02-MAR-99	180	6010
			NO2/NO3	1.4	ppm	AKH	08-MAR-99	180	325B
			PB(D)	<.003	ppm	JN	16-MAR-99	28	353.2
			PB(TR)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PH	8.3	ppm	KPB	10-MAR-99	180	6020M
			SE(D)	<.005	pH units	DC	24-FEB-99		150.1
			SE(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SO4=	309.	ppm	KPB	10-MAR-99		6020M
			TDS	1169.	ppm	JN	23-MAR-99	28	9036
			TSS	24.	ppm	AKH	24-FEB-99	7	160.1
			ZN(D)	<.02	ppm	AKH	24-FEB-99		160.2
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180	6020M
L990309-3	19-FEB-99	EPRI-9902-164	AS(D)	.005	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	.005	ppm	KPB	10-MAR-99	180	6020M
			CA	113.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	238.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm	DC	24-FEB-99		310.1
			COND.	2070.	umhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	AKH	02-MAR-99	180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99		6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	.78	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			FE(TR)	.71	ppm	MK	03-MAR-99	180	6010
			HCO3	242.	ppm	DC	24-FEB-99	14	310.1

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990309-3	19-FEB-99	EPRI-9902-164	K	16.	ppm	MK	02-MAR-99	180	6010
			MG	30.	ppm	MK	02-MAR-99	180	6010
			NA	303.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	1.5	ppm	JN	16-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PB(TR)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PH	8.3	pH units	DC	24-FEB-99		150.1
			SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SE(TR)	<.005	ppm	KPB	10-MAR-99		6020M
			SO4=	301.	ppm	JN	23-MAR-99	28	9036
			TDS	1100.	ppm	AKH	24-FEB-99	7	160.1
			TSS	26.	ppm	AKH	24-FEB-99		160.2
			ZN(D)	<.02	ppm	KPB	10-MAR-99	180	6020M
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180	6020M
			AS(D)	.005	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	.005	ppm	KPB	10-MAR-99	180	6020M
			CA	115.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	237.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	2080.	unhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
L990309-4	19-FEB-99	EPRI-9902-157	CR(TR)	<.01	ppm	MK	03-MAR-99		6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	.79	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			FE(TR)	.75	ppm	MK	03-MAR-99	180	6010
			HCO3	242.	ppm CaCO3	DC	24-FEB-99	14	310.1
			K	18.	ppm	MK	02-MAR-99	180	6010
			MG	33.	ppm	MK	02-MAR-99	180	6010
			NA	299.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	1.5	ppm	JN	16-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PB(TR)	.003	ppm	KPB	10-MAR-99	180	6020M
			PH	8.3	pH units	DC	24-FEB-99		150.1
			SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L990309-4	19-FEB-99	EPRI-9902-157	SE(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SO4=	294.	ppm	JN	23-MAR-99	28	9036
			TDS	1252.	ppm	AKH	24-FEB-99	7	160.1
			TSS	31.	ppm	AKH	24-FEB-99		160.2
			ZN(D)	.028	ppm	KPB	10-MAR-99	180	6020M
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180	6020M
			AS(D)	.006	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	.005	ppm	KPB	10-MAR-99	180	6020M
			CA	115.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	247.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
L990309-5	19-FEB-99	EPRI-9902-191	COND.	2070.	umhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99		6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	.80	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			FE(TR)	.77	ppm	MK	03-MAR-99	180	6010
			HCO3	240.	ppm CaCO3	DC	24-FEB-99	14	310.1
			K	16.	ppm	MK	02-MAR-99	180	6010
			MG	30.	ppm	MK	02-MAR-99	180	6010
			NA	300.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	1.4	ppm	JN	16-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PB(TR)	.003	ppm	KPB	10-MAR-99	180	6020M
			PH	8.3	pH units	DC	24-FEB-99		150.1
			SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SE(TR)	<.005	ppm	KPB	10-MAR-99		6020M
			SO4=	246.	ppm	JN	23-MAR-99	28	9036
			TDS	1195.	ppm	AKH	24-FEB-99	7	160.1
			TSS	32.	ppm	AKH	24-FEB-99		160.2
			ZN(D)	<.02	ppm	KPB	10-MAR-99	180	6020M
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180	6020M

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLD DATE	SOLD METHOD
L990309-6	19-FEB-99	EPRI-9902-163	AS(D)	.005	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CA	112.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	237.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99	310.1	
			COND.	2060.	umhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99		6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	.79	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			FE(TR)	1.0	ppm	MK	03-MAR-99	180	6010
			HCO3	237.	ppm CaCO3	DC	24-FEB-99	14	310.1
			K	15.	ppm	MK	02-MAR-99	180	6010
			MG	28.	ppm	MK	02-MAR-99	180	6010
			NA	292.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	1.9	ppm	JN	16-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PB(TR)	.004	ppm	KPB	10-MAR-99	180	6020M
			PH	8.3	pH units	DC	24-FEB-99		150.1
			SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SE(TR)	<.005	ppm	KPB	10-MAR-99		6020M
			SO4=	299.	ppm	JN	23-MAR-99	28	9036
			TDS	1390.	ppm	AKH	24-FEB-99	7	160.1
			TSS	31.	ppm	AKH	24-FEB-99		160.2
			ZN(D)	0.02	ppm	KPB	10-MAR-99	180	6020M
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180	6020M
L990309-7	19-FEB-99	EPRI-9902-162	AS(D)	.005	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	.005	ppm	KPB	10-MAR-99	180	6020M
			CA	110.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	239.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	2060.	umhos	AKH	26-FEB-99	28	120.1

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Batch No: L990309

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990309-7	19-FEB-99	EPRI-9902-162	CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99		6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	.77	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			FE(TR)	.77	ppm	MK	03-MAR-99	180	6010
			HCO3	240.	ppm	DC	24-FEB-99	14	310.1
			K	15.	ppm	MK	02-MAR-99	180	6010
			MG	27.	ppm	MK	02-MAR-99	180	6010
			NA	307.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	1.7	ppm	JN	16-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PB(TR)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PH	8.2	ppm	DC	24-FEB-99		150.1
			SF(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SE(TR)	<.005	ppm	KPB	10-MAR-99		6020M
			SO4=	290.	ppm	JN	23-MAR-99	28	9036
			TDS	1282.	ppm	AKH	24-FEB-99	7	160.1
			TSS	28.	ppm	AKH	24-FEB-99		160.2
			ZN(D)	<.02	ppm	KPB	10-MAR-99	180	6020M
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180	6020M
L990309-8	19-FEB-99	EPRI-9902-161	AS(D)	.009	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	.008	ppm	KPB	10-MAR-99	180	6020M
			CA	86.	ppm	MK	02-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	261.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm	DC	24-FEB-99		310.1
			COND.	2050.	umhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99		6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	.80	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			FE(TR)	.25	ppm	MK	03-MAR-99	180	6010
			HCO3	185.	ppm	DC	24-FEB-99	14	310.1

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LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990309-8	19-FEB-99	EPRI-9902-161	K	14.	ppm	MK	02-MAR-99	180	6010
			MG	20.	ppm	MK	02-MAR-99	180	6010
			NA	323.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	5.0	ppm	JN	16-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PB(TR)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PH	8.1	pH units	DC	24-FEB-99	150.1	
			SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SE(TR)	<.005	ppm	KPB	10-MAR-99	6020M	
			SO4=	331.	ppm	JN	23-MAR-99	28	9036
			TDS	1342.	ppm	AKH	24-FEB-99	7	160.1
			TSS	14.	ppm	AKH	24-FEB-99	160.2	
			ZN(D)	-.033	ppm	KPB	10-MAR-99	180	6020M
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180	6020M
			AS(D)	-.59	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	-.68	ppm	KPB	10-MAR-99	180	6020M
			CA	82.	ppm	MK	02-MAR-99	180	6010
			CD(D)	-.041	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	-.056	ppm	KPB	10-MAR-99	180	6020M
			CL-	286.	ppm	JN	02-MAR-99	28	325.2
L990309-9	19-FEB-99	EPRI-9902-175	CO3	8.	ppm	DC	24-FEB-99	310.1	
			COND.	2610.	unhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99	180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99	180	6010
			CU(D)	-.27	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	-.60	ppm	KPB	10-MAR-99	180	6020M
			F-	1.9	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99	180	6010
			FE(TR)	-.50	ppm	MK	03-MAR-99	180	6010
			HCO3	51.	ppm	DC	24-FEB-99	14	310.1
			K	15.	ppm	MK	02-MAR-99	180	6010
			MG	7.6	ppm	MK	02-MAR-99	180	6010
			NA	507.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	<.05	ppm	JN	16-MAR-99	28	353.2
			PB(D)	-.065	ppm	KPB	10-MAR-99	180	6020M
			PB(TR)	-.21	ppm	KPB	10-MAR-99	180	6020M
			PH	8.5	pH units	DC	24-FEB-99	150.1	
			SE(D)	-.035	ppm	KPB	10-MAR-99	180	6020M

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Batch No: L990309

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	METHOD
L990309-9	19-FEB-99	EPRI-9902-175	SE(TR)	.035	ppm	KPB	10-MAR-99	6020M
			SO4=	462.	ppm	JN	23-MAR-99 28	9036
			TDS	1716.	ppm	AKH	24-FEB-99 7	160.1
			TSS	15.	ppm	AKH	24-FEB-99	160.2
			ZN(D)	.19	ppm	KPB	10-MAR-99 180	6020M
			ZN(TR)	.36	ppm	KPB	10-MAR-99 180	6020M
			AS(D)	.19	ppm	KPB	10-MAR-99 180	6020M
			AS(TR)	.44	ppm	KPB	10-MAR-99 180	6020M
			CA	397.	ppm	MK	02-MAR-99 180	6010
			CD(D)	6.2	ppm	KPB	10-MAR-99 180	6020M
L990309-10	19-FEB-99	EPRI-9902-173	CD(TR)	6.6	ppm	KPB	10-MAR-99 180	6020M
			CL-	1340.	ppm	JN	02-MAR-99 28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99	310.1
			COND.	19330.	umhos	AKH	26-FEB-99 28	120.1
			CR(D)	<.01	ppm	MK	02-MAR-99 180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99	6010
			CU(D)	.49	ppm	KPB	10-MAR-99 180	6020M
			CU(TR)	1.8	ppm	KPB	10-MAR-99 180	6020M
			F-	14.	ppm	ED	04-MAR-99 28	340.2
			FE(D)	<.1	ppm	MK	02-MAR-99 180	6010
			FE(TR)	1.4	ppm	MK	03-MAR-99 180	6010
			HCO3	138.	ppm CaCO3	DC	24-FEB-99 14	310.1
			K	211.	ppm	AKH	08-MAR-99 180	270.1
			MJ	95.	ppm	MK	02-MAR-99 180	6010
			NA	5144.	ppm	AKH	08-MAR-99 180	325B
			NO2/NO3	18.	ppm	JN	16-MAR-99 28	353.2
			PB(D)	.11	ppm	KPB	10-MAR-99 180	6020M
			PB(TR)	.75	ppm	KPB	10-MAR-99 180	6020M
			PH	8.1	pH units	DC	24-FEB-99	150.1
			SE(D)	.97	ppm	KPB	10-MAR-99 180	6020M
			SE(TR)	.99	ppm	KPB	10-MAR-99	6020M
			SO4=	7894.	ppm	JN	23-MAR-99 28	9036
			TDS	16995.	ppm	AKH	24-FEB-99 7	160.1
			TSS	48.	ppm	AKH	24-FEB-99	160.2
			ZN(D)	7.0	ppm	KPB	10-MAR-99 180	6020M
			ZN(TR)	8.6	ppm	KPB	10-MAR-99 180	6020M

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	METHOD
L990309-11	19-FEB-99	EPRI-9902-160	AS(D)	.006	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	.007	ppm	KPB	10-MAR-99	180	6020M
			CA	112	ppm	MK	03-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	241.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	2100.	umhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
			CR(TR)	<.01	ppm	MK	03-MAR-99		6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	.83	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	03-MAR-99	180	6010
			FE(TR)	.38	ppm	MK	03-MAR-99	180	6010
			HCO3	237.	ppm CaCO3	DC	24-FEB-99	14	310.1
			K	14.	ppm	MK	02-MAR-99	180	6010
			MG	27.	ppm	MK	03-MAR-99	180	6010
			NA	315.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	1.5	ppm	JN	16-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PB(TR)	.005	ppm	KPB	10-MAR-99	180	6020M
			PH	8.3	pH units	DC	24-FEB-99		150.1
			SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SE(TR)	<.005	ppm	KPB	10-MAR-99		6020M
			SO4-	325.	ppm	JN	23-MAR-99	28	9036
			TDS	1351.	ppm	AKH	24-FEB-99	7	160.1
			TSS	17.	ppm	AKH	24-FEB-99		160.2
			ZN(D)	.022	ppm	KPB	10-MAR-99	180	6020M
			ZN(TR)	<.02	ppm	KPB	10-MAR-99	180	6020M
L990309-12	19-FEB-99	EPRI-9902-156	AS(D)	.008	ppm	KPB	10-MAR-99	180	6020M
			AS(TR)	.011	ppm	KPB	10-MAR-99	180	6020M
			CA	109.	ppm	MK	03-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CD(TR)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	248.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	2100.	umhos	AKH	26-FEB-99	28	120.1

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990309

LAB NO. DATE COLLECTED DESCRIPTION

L990309-12 19-FEB-99 EPRI-9902-156

L990309-13 22-FEB-99 EPRI-9902-149

PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
CR(TR)	<.01	ppm	MK	03-MAR-99		6010
CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
CU(TR)	<.025	ppm	KPB	10-MAR-99	180	6020M
F-	.83	ppm	BD	04-MAR-99	28	340.2
FE(D)	<.1	ppm	MK	03-MAR-99	180	6010
FE(TR)	.71	ppm	MK	03-MAR-99	180	6010
HCO3	225.	ppm	DC	24-FEB-99	14	310.1
K	13.	ppm	MK	02-MAR-99	180	6010
MG	26.	ppm	MK	03-MAR-99	180	6010
NA	315.	ppm	AKH	08-MAR-99	180	325B
NO2/NO3	2.6	ppm	JN	16-MAR-99	28	353.2
PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
PB(TR)	.010	ppm	KPB	10-MAR-99	180	6020M
PH	8.3	pH units	DC	24-FEB-99		150.1
SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
SE(TR)	<.005	ppm	KPB	10-MAR-99		6020M
SO4=	313.	ppm	JN	23-MAR-99	28	9036
TDS	1363.	ppm	AKH	24-FEB-99	7	160.1
TSS	28.	ppm	AKH	24-FEB-99		160.2
ZN(D)	.025	ppm	KPB	10-MAR-99	180	6020M
ZN(TR)	.021	ppm	KPB	10-MAR-99	180	6020M
AS(D)	.022	ppm	KPB	10-MAR-99	180	6020M
CA	212.	ppm	MK	03-MAR-99	180	6010
CD(D)	.008	ppm	KPB	10-MAR-99	180	6020M
CL-	326.	ppm	JN	02-MAR-99	28	325.2
CO3	<.1	ppm	DC	24-FEB-99		310.1
COND.	3070.	umhos	AKH	26-FEB-99	28	120.1
CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
F-	.69	ppm	BD	04-MAR-99	28	340.2
FE(D)	<.1	ppm	MK	03-MAR-99	180	6010
HCO3	247.	ppm	DC	24-FEB-99	14	310.1
K	<5	ppm	MK	02-MAR-99	180	6010
MG	103.	ppm	MK	03-MAR-99	180	6010
NA	345.	ppm	AKH	08-MAR-99	180	325B
NO2/NO3	9.3	ppm	JN	16-MAR-99	28	353.2
PB(D)	.013	ppm	KPB	10-MAR-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990309

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990309-13	22-FEB-99	EPRI-9902-149	PH	7.5	pH units	DC	24-FEB-99		150.1
			SE(D)	.021	ppm	KPB	10-MAR-99	180	6020M
			SO4=	687.	ppm	JN	23-MAR-99	28	9036
			TDS	2276.	ppm	AKH	24-FEB-99	7	160.1
			TSS	3.1	ppm	AKH	24-FEB-99		160.2
			ZN(D)	.046	ppm	KPB	10-MAR-99	180	6020M
			AS(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CA	71.	ppm	MK	03-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	347.	ppm	JN	02-MAR-99	28	325.2
L990309-14	22-FEB-99	EPRI-9902-148	CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	3880.	umhos	AKH	25-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	3.0	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	03-MAR-99	180	6010
			HCO3	290.	ppm CaCO3	DC	24-FEB-99	14	310.1
			K	8.5	ppm	MK	02-MAR-99	180	6010
			MG	64.	ppm	MK	03-MAR-99	180	6010
			NA	740.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	8.3	ppm	JN	16-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PH	7.8	pH units	DC	24-FEB-99		150.1
			SE(D)	.039	ppm	KPB	10-MAR-99	180	6020M
			SO4=	1040.	ppm	JN	23-MAR-99	28	9036
			TDS	2740.	ppm	AKH	24-FEB-99	7	160.1
			TSS	7.0	ppm	AKH	24-FEB-99		160.2
			ZN(D)	.035	ppm	KPB	10-MAR-99	180	6020M
			AS(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CA	73.	ppm	MK	03-MAR-99	180	6010
L990309-15	22-FEB-99	EPRI-9902-192	CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	341.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	3870.	umhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	3.1	ppm	BD	04-MAR-99	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990309

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE
L990309-15	22-FEB-99	EPRI-9902-192	FE(D)	<.1	ppm	MK	03-MAR-99	180
			HCO3	304.	ppm	DC	24-FEB-99	14
			K	11.	ppm	MK	02-MAR-99	180
			MG	66.	ppm	MK	03-MAR-99	180
			NA	747.	ppm	AKH	08-MAR-99	180
			NO2/NO3	6.1	ppm	JN	16-MAR-99	28
			PB(D)	<.003	ppm	KPB	10-MAR-99	180
			PH	7.8	pH units	DC	24-FEB-99	150.1
			SE(D)	.040	ppm	KPB	10-MAR-99	180
			SO4=	997.	ppm	JN	23-MAR-99	28
			TDS	2663.	ppm	AKH	24-FEB-99	7
			TSS	5.8	ppm	AKH	24-FEB-99	160.1
			ZN(D)	.033	ppm	KPB	10-MAR-99	180
								6020M
			AS(D)	.45	ppm	KPB	10-MAR-99	180
			CA	196.	ppm	MK	03-MAR-99	180
			CD(D)	.007	ppm	KPB	10-MAR-99	180
			CL-	442.	ppm	JN	02-MAR-99	28
			CO3	<1	ppm	DC	24-FEB-99	310.1
			COND.	4510.	umhos	AKH	26-FEB-99	28
L990309-16	22-FEB-99	EPRI-9902-168	CR(D)	<.01	ppm	MK	03-MAR-99	180
			CU(D)	<.025	ppm	KPB	10-MAR-99	180
			F-	1.4	ppm	BD	04-MAR-99	28
			FE(D)	<.1	ppm	MK	03-MAR-99	180
			HCO3	275.	ppm	DC	24-FEB-99	14
			K	23.	ppm	MK	02-MAR-99	180
			MG	77.	ppm	MK	03-MAR-99	180
			NA	835.	ppm	AKH	08-MAR-99	180
			NO2/NO3	18.	ppm	JN	17-MAR-99	28
			PB(D)	<.003	ppm	KPB	10-MAR-99	180
			PH	7.6	pH units	DC	24-FEB-99	150.1
			SE(D)	.10	ppm	KPB	10-MAR-99	180
			SO4=	929.	ppm	JN	23-MAR-99	28
			TDS	3338.	ppm	AKH	24-FEB-99	7
			TSS	16.	ppm	AKH	24-FEB-99	160.1
			ZN(D)	.043	ppm	KPB	10-MAR-99	180
								6020M
			AS(D)	<.005	ppm	KPB	10-MAR-99	180
			CA	391.	ppm	MK	03-MAR-99	180
								6010
L990309-17	22-FEB-99	EPRI-9902-169						

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ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990309

LAF NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990309-17	22-FEB-99	EPRI-9902-169	CD(D)	.006	ppm	KPB	10-MAR-99	180	6020M
			CL-	3200.	ppm	JN	29-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	9940.	unhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	1.3	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	03-MAR-99	180	6010
			HCO3	120.	ppm CaCO3	DC	24-FEB-99	14	310.1
			K	49.	ppm	MK	02-MAR-99	180	6010
			MG	175.	ppm	MK	03-MAR-99	180	6010
			NA	1572.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	.15	ppm	JN	17-MAR-99	28	353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M
			PH	7.5	pH units	DC	24-FEB-99		150.1
			SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			SO4=	1618.	ppm	JN	23-MAR-99	28	9036
			TDS	5990.	ppm	AKH	24-FEB-99	7	160.1
			TSS	3.2	ppm	AKH	24-FEB-99		160.2
			ZN(D)	.059	ppm	KPB	10-MAR-99	180	6020M
L990309-18	22-FEB-99	EPRI-9902-140	AS(D)	17.	ppm	KPB	10-MAR-99	180	6020M
			CA	382.	ppm	MK	03-MAR-99	180	6010
			CD(D)	.010	ppm	KPB	10-MAR-99	180	6020M
			CL-	238.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	18720.	unhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
			CU(D)	.061	ppm	KPB	10-MAR-99	180	6020M
			F-	1.7	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	03-MAR-99	180	6010
			HCO3	544.	ppm CaCO3	DC	24-FEB-99	14	310.1
			K	858.	ppm	AKH	08-MAR-99	180	270.1
			MG	364.	ppm	MK	03-MAR-99	180	6010
			NA	3962.	ppm	AKH	08-MAR-99	180	325B
			NO2/NO3	161.	ppm	JN	16-MAR-99	28	353.2
			PB(D)	.003	ppm	KPB	10-MAR-99	180	6020M
			PH	7.3	pH units	DC	24-FEB-99		150.1
			SE(D)	3.8	ppm	KPB	10-MAR-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990309

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD	DRYS METHOD
L990309-18	22-FEB-99	EPRI-9902-140	SO4=	9087.	ppm	JN	23-MAR-99	28	9036
			TDS	17691.	ppm	AKH	24-FEB-99	7	160.1
			TSS	46.	ppm	AKH	24-FEB-99		160.2
			ZN(D)	.21	ppm	KPB	10-MAR-99	180	6020M
L990309-19	22-FEB-99	EPRI-9902-141	AS(D)	.77	ppm	KPB	10-MAR-99	180	6020M
			CA	169.	ppm	MK	03-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	451.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	5120.	umhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	2.1	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	03-MAR-99	180	6010
			HCO3	392.	ppm CaCO3	DC	24-FEB-99	14	310.1
			K	135.	ppm	AKH	08-MAR-99	180	270.1
			MG	94.	ppm	MK	03-MAR-99	180	6010
			NA	550.	ppm	AKH	03-MAR-99	180	6010
			NO2/NO3	.63	ppm	JN	16-MAR-99	28	353.2
			PB(D)	.005	ppm	KPB	10-MAR-99	180	6020M
			PH	7.6	pH units	DC	24-FEB-99		150.1
			SE(D)	.16	ppm	KPB	10-MAR-99	180	6020M
			SO4=	1477.	ppm	JN	23-MAR-99	28	9036
			TDS	3717.	ppm	AKH	24-FEB-99	7	160.1
			TSS	6.2	ppm	AKH	24-FEB-99		160.2
			ZN(D)	.054	ppm	KPB	10-MAR-99	180	6020M
L990309-20	22-FEB-99	EPRI-9902-193	AS(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CA	<1	ppm	MK	03-MAR-99	180	6010
			CD(D)	<.005	ppm	KPB	10-MAR-99	180	6020M
			CL-	<1	ppm	JN	02-MAR-99	28	325.2
			CO3	<1	ppm CaCO3	DC	24-FEB-99		310.1
			COND.	<10	umhos	AKH	26-FEB-99	28	120.1
			CR(D)	<.01	ppm	MK	03-MAR-99	180	6010
			CU(D)	<.025	ppm	KPB	10-MAR-99	180	6020M
			F-	<.05	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.1	ppm	MK	03-MAR-99	180	6010
			HCO3	<1	ppm CaCO3	DC	24-FEB-99	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990309

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD DAYS	METHOD
							ANALYZED			
L990309-20	22 FEB-99	EPRI-9902-193	K	<5	ppm	MK	02-MAR-99	180	6010	
			MG	<1	ppm	MK	03-MAR-99	180	6010	
			NA	<5	ppm	AKH	08-MAR-99	180	325B	
			NO2/NO3	<.05	ppm	JN	16-MAR-99	28	353.2	
			PB(D)	<.003	ppm	KPB	10-MAR-99	180	6020M	
			PH	5.9	PH units	DC	24-FEB-99		150.1	
			SE(D)	<.005	ppm	KPB	10-MAR-99	180	6020M	
			SO4=	1.5	ppm	JN	23-MAR-99	28	9036	
			TDS	<10	ppm	AKH	24-FEB-99	7	160.1	
			TSS	<1	ppm	AKH	24-FEB-99		160.2	
			ZN(D)	<.02	ppm	KPB	10-MAR-99	180	6020M	

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990183

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990183-1		Matrix Spike							
			AS(D)	103	% RECOVERY	KPB	10-MAR-99	6020M	
			AS(TR)	101	% RECOVERY	KPB	10-MAR-99	6020M	
			CD(D)	101	% RECOVERY	KPB	10-MAR-99	6020M	
			CD(TR)	101	% RECOVERY	KPB	10-MAR-99	6020M	
			CL	101	% RECOVERY	JN	02-MAR-99	325.2	
			CR(D)	92	% RECOVERY	MK	02-MAR-99	6010	
			CR(TR)	95	% RECOVERY	MK	03-MAR-99	6010	
			CU(D)	98	% RECOVERY	KPB	10-MAR-99	6020M	
			CU(TR)	95	% RECOVERY	KPB	10-MAR-99	6020M	
			F-	92	% RECOVERY	BD	04-MAR-99	340.2	
			FE(D)	89	% RECOVERY	MK	02-MAR-99	6010	
			FE(TR)	86	% RECOVERY	MK	03-MAR-99	6010	
			NO2/NO3	107	% RECOVERY	JN	16-MAR-99	353.2	
			PB(D)	97	% RECOVERY	KPB	10-MAR-99	6020M	
			PB(TR)	98	% RECOVERY	KPB	10-MAR-99	6020M	
			SE(D)	100	% RECOVERY	KPB	10-MAR-99	6020M	
			SE(TR)	100	% RECOVERY	KPB	10-MAR-99	6020M	
			SO4=	86	% RECOVERY	JN	23-MAR-99	9036	
			ZN(D)	100	% RECOVERY	KPB	10-MAR-99	6020M	
			ZN(TR)	99	% RECOVERY	KPB	10-MAR-99	6020M	
WG990183-2		Prep Blank							
			AS(D)	<.005	ppm	KPB	10-MAR-99	6020M	
			AS(TR)	<.05	ppm	KPB	10-MAR-99	6020M	
			CA	<1	ppm	MK	02-MAR-99	6010	
			CD(D)	<.005	ppm	KPB	10-MAR-99	6020M	
			CD(TR)	<.005	ppm	KPB	10-MAR-99	6020M	
			CL-	<1	ppm	JN	02-MAR-99	325.2	
			CO3	<1	ppm	CaCO3	24-FEB-99	310.1	
			COND.	<10	umhos	AKH	26-FEB-99	120.1	
			CR(D)	<.01	ppm	MK	02-MAR-99	6010	
			CR(TR)	<.01	ppm	MK	03-MAR-99	6010	
			CU(D)	<.025	ppm	KPB	10-MAR-99	6020M	
			CU(TR)	<.025	ppm	KPB	10-MAR-99	6020M	
			F-	<.05	ppm	BD	04-MAR-99	340.2	
			FE(D)	<.1	ppm	MK	02-MAR-99	6010	
			FE(TR)	<.1	ppm	MK	03-MAR-99	6010	
			HCO3	<1	ppm	CaCO3	24-FEB-99	310.1	
			K	<5	ppm	MK	02-MAR-99	6010	
			MG	<1	ppm	MK	02-MAR-99	6010	

ASARCO TECHNICAL SERVICES CENTER

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El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990183

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990183-2		Prep Blank	NA	<5	ppm	AKH	08-MAR-99		325B
			NO2/NO3	<.05	ppm	JN	16-MAR-99		353.2
			PB(D)	<.003	ppm	KPB	10-MAR-99		6020M
			PB(TR)	<.003	ppm	KPB	10-MAR-99		6020M
			PH	5.7	PH units	DC	24-FEB-99		150.1
			SE(D)	<.005	ppm	KPB	10-MAR-99		6020M
			SE(TR)	<.005	ppm	KPB	10-MAR-99		6020M
			SO4=	<1	ppm	JN	23-MAR-99		9036
			TDS	<10	ppm	AKH	24-FEB-99		160.1
			TSS	<1	ppm	AKH	24-FEB-99		160.2
			ZN(D)	<.02	ppm	KPB	10-MAR-99		6020M
			ZN(TR)	<.02	ppm	KPB	10-MAR-99		6020M
			AS(D)	97	% RECOVERY	KPB	10-MAR-99		6020M
			AS(TR)	96	% RECOVERY	KPB	10-MAR-99		6020M
			CA	117	% RECOVERY	MK	02-MAR-99		6010
			CD(D)	92	% RECOVERY	KPB	10-MAR-99		6020M
			CD(TR)	94	% RECOVERY	KPB	10-MAR-99		6020M
WG990183-3		Laboratory Control	CL-	94	% RECOVERY	JN	02-MAR-99		325.2
			COND.	100	% RECOVERY	AKH	26-FEB-99		120.1
			CR(D)	103	% RECOVERY	MK	02-MAR-99		6010
			CR(TR)	100	% RECOVERY	MK	03-MAR-99		6010
			CU(D)	102	% RECOVERY	KPB	10-MAR-99		6020M
			CU(TR)	100	% RECOVERY	KPB	10-MAR-99		6020M
			F-	103	% RECOVERY	BD	04-MAR-99		340.2
			FE(D)	103	% RECOVERY	MK	02-MAR-99		6010
			FE(TR)	105	% RECOVERY	MK	03-MAR-99		6010
			K	114	% RECOVERY	MK	02-MAR-99		6010
			MG	108	% RECOVERY	MK	02-MAR-99		6010
			NA	108	% RECOVERY	AKH	08-MAR-99		325B
			NO2/NO3	108	% RECOVERY	JN	16-MAR-99		353.2
			PB(D)	96	% RECOVERY	KPB	10-MAR-99		6020M
			PB(TR)	100	% RECOVERY	KPB	10-MAR-99		6020M
			PH	99	% RECOVERY	DC	24-FEB-99		150.1
			SE(D)	91	% RECOVERY	KPB	10-MAR-99		6020M
			SE(TR)	95	% RECOVERY	KPB	10-MAR-99		6020M
			SO4=	100	% RECOVERY	JN	23-MAR-99		9036
			TDS	100	% RECOVERY	AKH	24-FEB-99		160.1
			TSS	100	% RECOVERY	AKH	24-FEB-99		160.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990183

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990183-3		Laboratory Control	ZN(D)	102	% RECOVERY	KPB	10-MAR-99		6020M
			ZN(TR)	101	% RECOVERY	KPB	10-MAR-99		6020M
WG990183-4		Duplicate	AS(D)	3.6	% RPD	KPB	10-MAR-99		6020M
			AS(TR)	<1	% RPD	KPB	10-MAR-99		6020M
			CA	8	% RPD	MK	02-MAR-99		6010
			CD(D)	<1	% RPD	KPB	10-MAR-99		6020M
			CD(TR)	<1	% RPD	KPB	10-MAR-99		6020M
			CL-	<1	% RPD	JN	02-MAR-99		325.2
			CO3	<1	% RPD	DC	24-FEB-99		310.1
			COND.	<1	% RPD	AKH	26-FEB-99		120.1
			CR(D)	<1	% RPD	MK	02-MAR-99		6010
			CR(TR)	<1	% RPD	MK	03-MAR-99		6010
			CU(D)	<1	% RPD	KPB	10-MAR-99		6020M
			CU(TR)	<1	% RPD	KPB	10-MAR-99		6020M
			F-	2.5	% RPD	BD	04-MAR-99		340.2
			FE(D)	<1	% RPD	MK	02-MAR-99		6010
			FE(TR)	<1	% RPD	MK	03-MAR-99		6010
			HCO3	<1	% RPD	DC	24-FEB-99		310.1
			K	20	% RPD	MK	02-MAR-99		6010
			MG	14	% RPD	MK	02-MAR-99		6010
			NA	4.3	% RPD	AKH	08-MAR-99		325B
			NO2/NO3	14	% RPD	JN	16-MAR-99		353.2
			PB(D)	<1	% RPD	KPB	10-MAR-99		6020M
			PB(TR)	<1	% RPD	KPB	10-MAR-99		6020M
			PH	<1	% RPD	DC	24-FEB-99		150.1
			SE(D)	<1	% RPD	KPB	10-MAR-99		6020M
			SE(TR)	<1	% RPD	KPB	10-MAR-99		6020M
			SO4=	+/- CRDL	% RPD	JN	23-MAR-99		9036
			TDS	5.2	% RPD	AKH	24-FEB-99		160.1
			TSS	1.9	% RPD	AKH	24-FEB-99		160.2
			ZN(D)	<1	% RPD	KPB	10-MAR-99		6020M
			ZN(TR)	<1	% RPD	KPB	10-MAR-99		6020M
WG990183-5		Practical Quantitation Limit	AS(D)	0.005	ppm				6020M
			AS(TR)	0.005	ppm				6020M
			CA	1.	ppm				6010
			CD(D)	0.005	ppm				6020M
			CD(TR)	0.005	ppm				6020M

ASARCO TECHNICAL SERVICES CENTER



ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990183

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990183-5		Practical Quantitation Limit							
			CL-	1.	ppm				325.2
			CO3	1	ppm CaCO3				310.1
			COND.	10.	umhos				120.1
			CR(D)	0.01	ppm				6010
			CR(TR)	0.01	ppm				6010
			CU(D)	0.025	ppm				6020M
			CU(TR)	0.025	ppm				6020M
			F-	0.05	ppm				340.2
			FE(D)	0.1	ppm				6010
			FE(TR)	0.1	ppm				6010
			HCO3	1.	ppm CaCO3				310.1
			K	5.	ppm				6010
			MG	1.	ppm				6010
			NA	5.	ppm				325B
			NO2/NO3	0.05	ppm				353.2
			PB(D)	0.003	ppm				6020M
			PB(TR)	0.003	ppm				6020M
			SE(D)	0.005	ppm				6020M
			SE(TR)	0.005	ppm				6020M
			SO4=	1.	ppm				9036
			TDS	10.	ppm				160.1
			TSS	1.	ppm				160.2
			ZN(D)	0.02	ppm				6020M
			ZN(TR)	0.02	ppm				6020M

 Approved
 Reviewer

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

Return results & electronic copy to:

11

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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
0931-ASARCO - EL PASO, TX SAMPLERS: (Signature) <i>Douglas M. Solor</i>											
DATE	TIME	GRAB	SAMPLE NUMBER								
4/24/99	1020		EPR1-9902-148	✓	✓						
	1025		EPR1-9902-192	✓	✓						
	1420		EPR1-9902-168	✓	✓						
	1500		EPR1-9902-169	✓	✓						
	1540		EPR1-9902-140	✓	✓						
	1640		EPR1-9902-141	✓	✓						
	1645		EPR1-9902-193	✓	✓						
<hr/>											
RELINQUISHED (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	LAB	P.O. #	SHIPPED VIA: BUS, Fed Ex, UPS Other _____ AIR BILL # _____						
<i>Douglas M. Solor</i>	4/24/99 1700		BC-SAITLACE, AT								
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 _____							
		<i>[Signature]</i>	2-23-99 11:30								

Return results & electronic copy to:
 HFORM-1-4/95

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990335

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990335-1	24-FEB-99	EPRI-9902-125	AS(D)	3.7	ppm	MK	12-MAR-99	180	6010
			CA	510.	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	830.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-MAR-99		310.1
			COND.	11510.	umhos	BD	02-MAR-99	28	120.1
			CR(D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180	6010
			F-	5.2	ppm	BD	04-MAR-99	28	340.2
			FE(D)	1.0	ppm	MK	12-MAR-99	180	6010
			HCO3	1114.	ppm CaCO3	DC	01-MAR-99	14	310.1
			K	224.	ppm	MK	12-MAR-99	180	6010
			MG	203.	ppm	MK	12-MAR-99	180	6010
			NA	1913.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	.057	ppm	JN	15-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	18-MAR-99	180	6020
			PH	7.8	pH	DC	01-MAR-99		150.1
			SE(D)	.030	ppm	KB	18-MAR-99	180	6020
			SO4=	4560.	ppm	JN	31-MAR-99	28	9036
			TDS	9294.	ppm	BD	01-MAR-99	7	160.1
			TSS	58.	ppm	BD	03-MAR-99		160.2
			ZN(D)	<.020	ppm	MK	12-MAR-99	180	6010
L990335-2	24-FEB-99	EPRI-9902-128	AS(D)	.073	ppm	KB	18-MAR-99	180	6020
			CA	386.	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	688.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-MAR-99		310.1
			COND.	8320.	umhos	BD	02-MAR-99	28	120.1
			CR(D)	.011	ppm	MK	12-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180	6010
			F-	1.7	ppm	BD	04-MAR-99	28	340.2
			FE(D)	.18	ppm	MK	12-MAR-99	180	6010
			HCO3	498.	ppm CaCO3	DC	01-MAR-99	14	310.1
			K	22.	ppm	MK	12-MAR-99	180	6010
			MG	164.	ppm	MK	12-MAR-99	180	6010
			NA	1313.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	91.	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	18-MAR-99	180	6020

ASAKO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990335

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990335-2	24-FEB-99	EPRI-9902-128	PH	7.6	pH	DC	01-MAR-99		150.1
			SE(D)	.22	ppm	KB	18-MAR-99	180	6020
			SO4=	2761.	ppm	JN	23-MAR-99	28	9036
			TDS	6893.	ppm	BD	01-MAR-99	7	160.1
			TSS	75.	ppm	BD	03-MAR-99		160.2
			ZN(D)	<.020	ppm	MK	12-MAR-99	180	6010
			AS(D)	.007	ppm	KB	18-MAR-99	180	6020
			CA	330.	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	565.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm	DC	01-MAR-99		310.1
			COND.	6980.	umhos	BD	02-MAR-99	28	120.1
			CR(D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180	6010
L990335-3	24-FEB-99	EPRI-9902-132	F-	2.0	ppm	BD	04-MAR-99	28	340.2
			FE(D)	.14	ppm	MK	12-MAR-99	180	6010
			HCO3	597.	ppm	DC	01-MAR-99	14	310.1
			K	24.	ppm	MK	12-MAR-99	180	6010
			MG	136.	ppm	MK	12-MAR-99	180	6010
			NA	1264.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	27.	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	18-MAR-99	180	6020
			PH	7.7	pH	DC	01-MAR-99		150.1
			SE(D)	.17	ppm	KB	18-MAR-99	180	6020
			SO4=	1635.	ppm	JN	31-MAR-99	28	9036
			TDS	5630.	ppm	BD	01-MAR-99	7	160.1
			TSS	9.8	ppm	BD	03-MAR-99		160.2
			ZN(D)	<.020	ppm	MK	12-MAR-99	180	6010
L990335-4	24-FEB-99	EPRI-9902-194	AS(D)	.008	ppm	KB	18-MAR-99	180	6020
			CA	335.	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	575.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm	DC	01-MAR-99		310.1
			COND.	7010.	umhos	BD	02-MAR-99	28	120.1
			CR(D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180	6010
			F-	2.0	ppm	BD	04-MAR-99	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990335

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLD DAYS	METHOD
L990335-4	24-FEB-99	EPRI-9902-194	FE(D)	.12	ppm	MK	12-MAR-99	180	6010
			HCO3	624.	ppm	DC	01-MAR-99	14	310.1
			K	24.	ppm	MK	12-MAR-99	180	6010
			MG	138.	ppm	MK	12-MAR-99	180	6010
			NA	1253.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	31.	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	18-MAR-99	180	6020
			PH	7.7	pH	DC	01-MAR-99		150.1
			SE(D)	.18	ppm	KB	18-MAR-99	180	6020
			SO4=	2309.	ppm	JN	01-APR-99	28	9036
			TDS	5730.	ppm	BD	01-MAR-99	7	160.1
			TSS	7.5	ppm	BD	03-MAR-99		160.2
			ZN(D)	<.020	ppm	MK	12-MAR-99	180	6010
L990335-5	24-FEB-99	EPRI-9902-124	AS(D)	.56	ppm	MK	12-MAR-99	180	6010
			CA	101.	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	238.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm	DC	01-MAR-99		310.1
			COND.	3020.	umhos	BD	02-MAR-99	28	120.1
			CR(D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180	6010
			F-	1.0	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<.10	ppm	MK	12-MAR-99	180	6010
			HCO3	1022.	ppm	DC	01-MAR-99	14	310.1
			K	17.	ppm	MK	12-MAR-99	180	6010
			MG	71.	ppm	MK	12-MAR-99	180	6010
			NA	476.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	.80	ppm	MK	12-MAR-99	180	6010
			PB(D)	<.003	ppm	JN	15-MAR-99	28	353.2
			PH	7.7	pH	KB	18-MAR-99	180	6020
			SE(D)	.028	ppm	DC	01-MAR-99		150.1
			SO4=	259.	ppm	JN	18-MAR-99	180	6020
			TDS	2078.	ppm	BD	23-MAR-99	28	9036
			TSS	529.	ppm	BD	01-MAR-99	7	160.1
			ZN(D)	<.020	ppm	BD	03-MAR-99		160.2
					ppm	MK	12-MAR-99	180	6010
L990335-6	24-FEB-99	EPRI-9902-109	AS(D)	.033	ppm	KB	18-MAR-99	180	6020
			CA	44.	ppm	MK	12-MAR-99	180	6010

ASARCO T. MINICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990335

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990335-6	24-FEB-99	EPRI-9902-109	CD (D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	570.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-MAR-99		310.1
			COND.	5670.	umhos	BD	02-MAR-99	28	120.1
			CR (D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU (D)	<.025	ppm	MK	12-MAR-99	180	6010
			F-	6.0	ppm	BD	04-MAR-99	28	340.2
			FE (U)	.21	ppm	MK	12-MAR-99	180	6010
			HCO3	1756.	ppm CaCO3	DC	01-MAR-99	14	310.1
			K	347.	ppm	MK	12-MAR-99	180	6010
			MG	40.	ppm	MK	12-MAR-99	180	6010
			NA	919.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	.27	ppm	JN	15-MAR-99	28	353.2
			PB (D)	<.003	ppm	KB	18-MAR-99	180	6020
			PH	8.1	pH	DC	01-MAR-99		150.1
			SE (D)	.015	ppm	KB	18-MAR-99	180	6020
			SO4=	405.	ppm	JN	23-MAR-99	28	9036
			TDS	3486.	ppm	BD	01-MAR-99	7	160.1
			TSS	23.	ppm	BD	03-MAR-99		160.2
			ZN (D)	<.020	ppm	MK	12-MAR-99	180	6010
			AS (D)	2.0	ppm	MK	12-MAR-99	180	6010
			CA	195.	ppm	MK	12-MAR-99	180	6010
			CD (D)	.011	ppm	KB	18-MAR-99	180	6020
			CL-	530.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-MAR-99		310.1
			COND.	5110.	umhos	BD	02-MAR-99	28	120.1
L990335-7	24-FEB-99	EPRI-9902-172	CR (D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU (D)	.049	ppm	MK	12-MAR-99	180	6010
			F-	6.5	ppm	BD	04-MAR-99	28	340.2
			FE (D)	.18	ppm	MK	12-MAR-99	180	6010
			HCO3	280.	ppm CaCO3	DC	01-MAR-99	14	310.1
			K	41.	ppm	MK	12-MAR-99	180	6010
			MG	36.	ppm	MK	12-MAR-99	180	6010
			NA	957.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	.54	ppm	JN	11-MAR-99	28	353.2
			PB (D)	.025	ppm	KB	18-MAR-99	180	6020
			PH	7.8	pH	DC	01-MAR-99		150.1
			SE (D)	.051	ppm	KB	18-MAR-99	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: 1990335

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE	
							ANALYZED	HOLD DAYS METHOD
1990335-7	24-FEB-99	EPRI-9902-172	SO4=	1111.	ppm	JN	23-MAR-99	28 9036
			TDS	3836.	ppm	BD	01-MAR-99	7 160.1
			TSS	125.	ppm	BD	03-MAR-99	160.2
			ZN(D)	.093	ppm	MK	12-MAR-99	180 6010
			AS(D)	<.005	ppm	KB	18-MAR-99	180 6020
			CA	213.	ppm	MK	12-MAR-99	180 6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180 6020
			CL-	714.	ppm	JN	02-MAR-99	28 325.2
			CO3	<1.0	ppm CaCO3	DC	01-MAR-99	310.1
			COND.	5600.	umhos	BD	02-MAR-99	28 120.1
1990335-8	24-FEB-99	EPRI-9902-167	CR(D)	<.010	ppm	MK	12-MAR-99	180 6010
			CU(D)	<.025	ppm	MK	04-MAR-99	28 340.2
			F-	.87	ppm	BD	01-MAR-99	180 6010
			FE(D)	.15	ppm CaCO3	MK	12-MAR-99	180 6010
			HCO3	185.	ppm	DC	01-MAR-99	14 310.1
			K	30.	ppm	MK	12-MAR-99	180 6010
			MG	115.	ppm	MK	12-MAR-99	180 6010
			NA	859.	ppm	MK	12-MAR-99	180 6010
			NO2/NO3	<.050	ppm	JN	15-MAR-99	28 353.2
			PB(D)	<.003	ppm	KB	18-MAR-99	180 6020
			PH	7.6	pH	DC	01-MAR-99	150.1
			SE(D)	<.005	ppm	KB	18-MAR-99	180 6020
			SO4=	1542.	ppm	JN	23-MAR-99	28 9036
			TDS	4338.	ppm	BD	01-MAR-99	7 160.1
			TSS	63.	ppm	BD	03-MAR-99	160.2
			ZN(D)	<.020	ppm	MK	12-MAR-99	180 6010
			AS(D)	<.005	ppm	KB	18-MAR-99	180 6020
			CA	<1.0	ppm	BD	30-MAR-99	180 6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180 6020
1990335-9	24-FEB-99	EPRI-9902-195	CL-	<1.0	ppm	JN	02-MAR-99	28 325.2
			CO3	<1.0	ppm CaCO3	DC	01-MAR-99	310.1
			COND.	<5.0	umhos	BD	02-MAR-99	28 120.1
			CR(D)	<.010	ppm	MK	12-MAR-99	180 6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180 6010
			F-	<.050	ppm	BD	04-MAR-99	28 340.2
			FE(D)	<.10	ppm	MK	12-MAR-99	180 6010
			HCO3	1.0	ppm CaCO3	DC	01-MAR-99	14 310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990335

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990335-9	24-FEB-99	EPRI-9902-195	K	<2.0	ppm	MK	12-MAR-99	180	6010
			MG	<1.0	ppm	MK	12-MAR-99	180	6010
			NA	<2.0	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	<.050	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	18-MAR-99	180	6020
			PH	5.9	pH	DC	01-MAR-99		150.1
			SE(D)	<.005	ppm	KB	18-MAR-99	180	6020
			SO4=	<2.0	ppm	JN	23-MAR-99	28	9036
			TDS	<10.	ppm	BD	01-MAR-99	7	160.1
			TSS	<1.0	ppm	BD	03-MAR-99		160.2
			ZN(D)	<.020	ppm	KB	18-MAR-99	180	6020
			AS(D)	1.8	ppm	KB	18-MAR-99	180	6020
			CA	288.	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	323.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm	CaCO3	01-MAR-99		310.1
			COND.	4890.	umhos	BD	02-MAR-99	28	120.1
L990335-10	25-FEB-99	EPRI-9902-104	CR(D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180	6010
			F-	1.0	ppm	BD	04-MAR-99	28	340.2
			FE(D)	4.7	ppm	MK	12-MAR-99	180	6010
			HCO3	635.	ppm	CaCO3	01-MAR-99	14	310.1
			K	15.	ppm	MK	12-MAR-99	180	6010
			MG	86.	ppm	MK	12-MAR-99	180	6010
			NA	775.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	13.	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	18-MAR-99	180	6020
			PH	7.4	pH	DC	01-MAR-99		150.1
			SE(D)	.53	ppm	KB	18-MAR-99	180	6020
			SO4=	1412.	ppm	JN	23-MAR-99	28	9036
			TDS	3854.	ppm	BD	01-MAR-99	7	160.1
			TSS	16.	ppm	BD	03-MAR-99		160.2
			ZN(D)	<.020	ppm	MK	12-MAR-99	180	6010
L990335-11	25-FEB-99	EPRI-9902-176	AS(D)	1.3	ppm	KB	18-MAR-99	180	6020
			CA	248.	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	1269.	ppm	JN	02-MAR-99	28	325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990335

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE	
							ANALYZED	HOLD DAYS
L990335-11	25-FEB-99	EPRI-9902-176	CO3	<1.0	ppm CaCO3	DC	01-MAR-99	310.1
			COND.	7140.	unhos	BD	02-MAR-99	28
			CR(D)	<.010	ppm	MK	12-MAR-99	180
			CU(D)	<.025	ppm	MK	12-MAR-99	180
			F-	2.2	ppm	BD	04-MAR-99	28
			FE(D)	.48	ppm	MK	12-MAR-99	180
			HCO3	560.	ppm CaCO3	DC	01-MAR-99	14
			K	37.	ppm	MK	12-MAR-99	180
			MG	108.	ppm	MK	12-MAR-99	180
			NA	1187.	ppm	MK	12-MAR-99	180
			NO2/NO3	3.6	ppm	JN	11-MAR-99	28
			PB(D)	<.003	ppm	KB	18-MAR-99	180
			PH	7.8	pH	DC	01-MAR-99	150.1
			SE(D)	.17	ppm	KB	18-MAR-99	180
			SO4=	1156.	ppm	JN	23-MAR-99	28
			TDS	4905.	ppm	BD	01-MAR-99	7
			TSS	190.	ppm	BD	03-MAR-99	160.2
			ZN(D)	<.020	ppm	MK	12-MAR-99	180
			AS(D)	320.	ppm	MK	12-MAR-99	180
			CA	472.	ppm	MK	12-MAR-99	180
L990335-12	25-FEB-99	EPRI-9902-117	CD(D)	26.	ppm	MK	12-MAR-99	180
			CL-	684.	ppm	JN	02-MAR-99	28
			CO3	<1.0	ppm CaCO3	DC	01-MAR-99	310.1
			COND.	12320.	unhos	BD	02-MAR-99	28
			CR(D)	<.050**	ppm	MK	12-MAR-99	180
			CU(D)	<.025	ppm	KB	18-MAR-99	180
			F-	24.	ppm	BD	04-MAR-99	28
			FE(D)	1266.	ppm	MK	12-MAR-99	180
			HCO3	<1.0	ppm CaCO3	DC	01-MAR-99	14
			K	240.	ppm	MK	12-MAR-99	180
			MG	237.	ppm	MK	12-MAR-99	180
			NA	794.	ppm	MK	12-MAR-99	180
			NO2/NO3	.13	ppm	JN	15-MAR-99	28
			PB(D)	<.003	ppm	KB	18-MAR-99	180
			PH	4.5	pH	DC	01-MAR-99	150.1
			SE(D)	.25	ppm	KB	18-MAR-99	180
			SO4=	5907.	ppm	JN	23-MAR-99	28
			TDS	13384.	ppm	BD	01-MAR-99	7
								160.1
								6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990335

LAR NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990335-12	25-FEB-99	EPRI-9902-117	TSS	545.	ppm	BD	03-MAR-99		160.2
			ZN(D)	789.	ppm	MK	12-MAR-99	180	6010
			AS(D)	1.1	ppm	KB	18-MAR-99	180	6020
			CA	252.	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	1302.	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm	DC	01-MAR-99		310.1
			COND.	7090.	umhos	BD	02-MAR-99	28	120.1
			CR(D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180	6010
			F-	2.2	ppm	BD	04-MAR-99	28	340.2
			FE(D)	.77	ppm	MK	12-MAR-99	180	6010
			HCO3	549.	ppm	DC	01-MAR-99	14	310.1
			K	36.	ppm	MK	12-MAR-99	180	6010
			MG	108.	ppm	MK	12-MAR-99	180	6010
			NA	1220.	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	3.6	ppm	JN	11-MAR-99	28	353.2
			PB(D)	<.003	ppm	KB	18-MAR-99	180	6020
L990335-13	25-FEB-99	EPRI-9902-196	PH	7.7	pH	DC	01-MAR-99		150.1
			SE(D)	.19	ppm	KB	18-MAR-99	180	6020
			SO4=	1066.	ppm	JN	23-MAR-99	28	9036
			TDS	4876.	ppm	BD	01-MAR-99	7	160.1
			TSS	242.	ppm	BD	03-MAR-99		160.2
			ZN(D)	<.020	ppm	BD	30-MAR-99	180	6010
			AS(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CA	<1.0	ppm	MK	12-MAR-99	180	6010
			CD(D)	<.005	ppm	KB	18-MAR-99	180	6020
			CL-	<1.0	ppm	JN	02-MAR-99	28	325.2
			CO3	<1.0	ppm	DC	01-MAR-99		310.1
			COND.	<5.0	umhos	BD	02-MAR-99	28	120.1
			CR(D)	<.010	ppm	MK	12-MAR-99	180	6010
			CU(D)	<.025	ppm	MK	12-MAR-99	180	6010
			F-	<.050	ppm	BD	04-MAR-99	28	340.2
			FE(D)	<1.0	ppm	MK	12-MAR-99	180	6010
			HCO3	<1.0	ppm	DC	01-MAR-99	14	310.1
			K	<2.0	ppm	MK	12-MAR-99	180	6010
L990335-14	25-FEB-99	EPRI-9902-197	MG	<1.0	ppm	MK	12-MAR-99	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990335

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990335-14	25-FEB-99	EPRI-9902-197	NA	<2.0	ppm	MK	12-MAR-99	180	6010
			NO2/NO3	<.050	ppm	JN	15-MAR-99	28	353.2
			PB (D)	<.003	ppm	KB	18-MAR-99	180	6020
			PH	5.8	PH	DC	01-MAR-99		150.1
			SE (D)	<.005	ppm	KB	18-MAR-99	180	6020
			SO4=	<2.0	ppm	JN	23-MAR-99	28	9036
			TDS	<10.	ppm	BD	01-MAR-99	7	160.1
			TSS	<1.0	ppm	BD	03-MAR-99		160.2
			ZN (D)	.021	ppm	BD	30-MAR-99	180	6010

PH is a field parameter therefore holding time cannot be met by the laboratory.
 ** = Detection limit for Chromium has been raised due to high matrix interference.
 Holding time for samples L990335-1, 3 and 4 for sulfate has been exceeded.


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 Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990268

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990268-1		Matrix Spike	AS (D)	99	% RECOVERY	KB	18-MAR-99		6020
			CD (D)	85	% RECOVERY	KB	18-MAR-99		6020
			CL-	95	% RECOVERY	JN	02-MAR-99		325.2
			CR (D)	99	% RECOVERY	MK	12-MAR-99		6010
			CU (D)	98	% RECOVERY	MK	12-MAR-99		6010
			F-	100	% RECOVERY	BD	04-MAR-99		340.2
			FE (D)	105	% RECOVERY	MK	12-MAR-99		6010
			NO2/NO3	100	% RECOVERY	JN	15-MAR-99		353.2
			PB (D)	85	% RECOVERY	KB	18-MAR-99		6020
			SE (D)	101	% RECOVERY	KB	18-MAR-99		6020
			SO4=	86	% RECOVERY	JN	23-MAR-99		9036
			ZN (D)	105	% RECOVERY	MK	12-MAR-99		6010
			AS (D)	<.005	ppm	KB	18-MAR-99		6020
			CA	<1.0	ppm	MK	12-MAR-99		6010
			CD (D)	<.005	ppm	KB	18-MAR-99		6020
			CL-	<1.0	ppm	JN	02-MAR-99		325.2
			CO3	<1.0	ppm CaCO3	DC	01-MAR-99		310.1
			COND.	<5.0	unhos	BD	02-MAR-99		120.1
			CR (D)	<.010	ppm	MK	12-MAR-99		6010
			CU (D)	<.025	ppm	MK	12-MAR-99		6010
WG990268-2		Prep Blank	F-	<.050	ppm	BD	04-MAR-99		340.2
			FE (D)	<.10	ppm	MK	12-MAR-99		6010
			HCO3	<1.0	ppm CaCO3	DC	01-MAR-99		310.1
			K	<2.0	ppm	MK	12-MAR-99		6010
			MG	<1.0	ppm	MK	12-MAR-99		6010
			NA	<2.0	ppm	MK	12-MAR-99		6010
			NO2/NO3	<.050	ppm	JN	15-MAR-99		353.2
			PB (D)	<.003	ppm	KB	18-MAR-99		6020
			SE (D)	<.005	ppm	KB	18-MAR-99		6020
			SO4=	<2.0	ppm	JN	23-MAR-99		9036
			TDS	<10.	ppm	BD	01-MAR-99		160.1
			TSS	<1.0	ppm	BD	03-MAR-99		160.2
			ZN (D)	<.020	ppm	MK	12-MAR-99		6010
			AS (D)	95	% RECOVERY	KB	18-MAR-99		6020
			CA	104	% RECOVERY	MK	12-MAR-99		6010
			CD (D)	97	% RECOVERY	KB	18-MAR-99		6020
			CL-	104	% RECOVERY	JN	02-MAR-99		325.2
WG990268-3		Laboratory Control	AS (D)	95	% RECOVERY	KB	18-MAR-99		6020
			CA	104	% RECOVERY	MK	12-MAR-99		6010
			CD (D)	97	% RECOVERY	KB	18-MAR-99		6020
			CL-	104	% RECOVERY	JN	02-MAR-99		325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990268

LAB. NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990268-3		Laboratory Control	COND.	101	% RECOVERY	BD	02-MAR-99	120.1	
			CR (D)	100	% RECOVERY	MK	12-MAR-99	6010	
			CU (D)	101	% RECOVERY	MK	12-MAR-99	6010	
			F-	103	% RECOVERY	BD	04-MAR-99	340.2	
			FE (D)	106	% RECOVERY	MK	12-MAR-99	6010	
			HCO3	99	% RECOVERY	DC	01-MAR-99	310.1	
			K	107	% RECOVERY	MK	12-MAR-99	6010	
			MG	101	% RECOVERY	MK	12-MAR-99	6010	
			NA	107	% RECOVERY	MK	12-MAR-99	6010	
			NO2/NO3	94	% RECOVERY	JN	15-MAR-99	353.2	
			PB (D)	94	% RECOVERY	KB	18-MAR-99	6020	
			SE (D)	100	% RECOVERY	KB	18-MAR-99	6020	
			SO4=	99	% RECOVERY	JN	23-MAR-99	9036	
			TDS	103	% RECOVERY	BD	01-MAR-99	160.1	
			TSS	94	% RECOVERY	BD	03-MAR-99	160.2	
			ZN (D)	101	% RECOVERY	MK	12-MAR-99	6010	
WG990268-4		Duplicate	AS (D)	<1	% RPD	KB	18-MAR-99	6020	
			CA	<1	% RPD	MK	12-MAR-99	6010	
			CD (D)	<1	% RPD	KB	18-MAR-99	6020	
			CL-	<1	% RPD	JN	02-MAR-99	325.2	
			CO3	<1	% RPD	DC	01-MAR-99	310.1	
			COND.	<1	% RPD	BD	02-MAR-99	120.1	
			CR (D)	<1	% RPD	MK	12-MAR-99	6010	
			CU (D)	<1	% RPD	MK	12-MAR-99	6010	
			F-	<1	% RPD	BD	04-MAR-99	340.2	
			FE (D)	<1	% RPD	MK	12-MAR-99	6010	
			HCO3	5.5	% RPD	DC	01-MAR-99	310.1	
			K	<1	% RPD	MK	12-MAR-99	6010	
			MG	<1	% RPD	MK	12-MAR-99	6010	
			NA	<1	% RPD	MK	12-MAR-99	6010	
			NO2/NO3	<1	% RPD	JN	15-MAR-99	353.2	
			PB (D)	<1	% RPD	KB	18-MAR-99	6020	
			SE (D)	11	% RPD	KB	18-MAR-99	6020	
			SO4=	<1	% RPD	JN	23-MAR-99	9036	
			TDS	+/-prdl	% RPD	BD	01-MAR-99	160.1	
			TSS	1.0	% RPD	BD	03-MAR-99	160.2	
			ZN (D)	+/-prdl	% RPD	MK	12-MAR-99	6010	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990268

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990268-5		Practical Quantitation Limit	AS (D)	.005	ppm				6020
			CA	1.0	ppm				6010
			CD (D)	.005	ppm				6020
			CL-	1.0	ppm				325.2
			CO3	1.0	ppm CaCO3				310.1
			COND.	5.0	unhos				120.1
			CR (D)	.010	ppm				6010
			CU (D)	.025	ppm				6010
			F-	.050	ppm				340.2
			FE (D)	.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	.050	ppm				353.2
			PB (D)	.003	ppm				6020
			SE (D)	.005	ppm				6020
			SO4=	2.0	ppm				9036
			TDS	10.	ppm				160.1
			TSS	1.0	ppm				160.2
			ZN (D)	.020	ppm				6010
WG990268-6		Matrix Spike	AS (D)	98	% RECOVERY MK		12-MAR-99		6010
			CD (D)	99	% RECOVERY MK		12-MAR-99		6010
			CU (D)	97	% RECOVERY KB		18-MAR-99		6020
			PB (D)	98	% RECOVERY KB		18-MAR-99		6020
			SE (D)	112	% RECOVERY KB		18-MAR-99		6020
WG990268-7		Prep Blank	AS (D)	<.005	ppm	MK	12-MAR-99		6010
			CD (D)	<.005	ppm	MK	12-MAR-99		6010
			CU (D)	<.025	ppm	KB	12-MAR-99		6020
			PB (D)	<.003	ppm	KB	18-MAR-99		6020
			SE (D)	<.005	ppm	KB	18-MAR-99		6020
WG990268-8		Laboratory Control Samples	AS (D)	101	% RECOVERY MK		12-MAR-99		6010
			CD (D)	102	% RECOVERY MK		12-MAR-99		6010
			CU (D)	100	% RECOVERY KB		12-MAR-99		6020
			PB (D)	93	% RECOVERY KB		18-MAR-99		6020
			SE (D)	100	% RECOVERY KB		18-MAR-99		6020

ASARCO TECHNICAL SERVICES CENTER


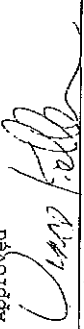
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project)

Batch No: WG990268

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990268-9		Duplicate	AS (D)	<1	% RPD	MK	12-MAR-99		6010
			CD (D)	<1	% RPD	MK	12-MAR-99		6010
			CU (D)	<1	% RPD	KB	12-MAR-99		6020
			PB (D)	<1	% RPD	KB	18-MAR-99		6020
			SE (D)	7.7	% RPD	KB	18-MAR-99		6020


 Approved

 Reviewer

HYDROMETRICS, INC.

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							REMARKS	
0931		ASARCO - EL PASO, TX		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	COMP	GRAB	SAMPLE NUMBER										
2-24-99	845			EPR1-9902-125	3	X	X	X						
	915			EPR1-9902-128	3	X	X	X						
	945			EPR1-9902-132	3	X	X	X						
	950			EPR1-9902-194	3	X	X	X						
	1010			EPR1-9902-124	3	X	X	X						
	1315			EPR1-9902-109	3	X	X	X						
	1420			EPR1-9902-172	3	X	X	X						
	1445			EPR1-9902-167	3	X	X	X						
	1500			EPR1-9902-195	3	X	X	X						
2-25-99	830			EPR1-9902-104	3	X	X	X						
	915			EPR1-9902-176	3	X	X	X						
	1030			EPR1-9902-117	3	X	X	X						
	920			EPR1-9902-196	3	X	X	X						
	1110			EPR1-9902-197	3	X	X	X						
Relinquished (Signature) <i>Douglas M. Sylon</i> Date/Time <i>2/25/99 1600</i>					Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, Fed EX, UPS Other _____ Air Bill # _____			
Relinquished (Signature) _____ Date/Time _____					Received by: (Signature)		Remarks							
Relinquished (Signature) _____ Date/Time _____					Received for Laboratory by: (Signature) <i>Flotter</i>		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		Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined			



SECTION I-4

**LABORATORY REPORTS FOR WATER SAMPLES,
SPRING 1999**

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID DAYS	METHOD
L990776-1	04-MAY-99	EPRI-9905-108	AS (D)	.92	ppm	MDK	13-MAY-99	180	6010
			CA	474.	ppm	MDK	13-MAY-99	180	6010
			CD (D)	.048	ppm	KPB	02-JUN-99	180	6020M
			CL-	773.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	28	310.1
			COND.	10320.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU (D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	2.1	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	288.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	56.	ppm	MDK	13-MAY-99	180	6010
			MG	302.	ppm	MDK	13-MAY-99	180	6010
			NA	2014.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	172.	ppm	JN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	7.4	pH units	DC	12-MAY-99	150.1	150.1
			SE (D)	0.37	ppm	MDK	13-MAY-99	180	6010
			SO4=	4861.	ppm	JN	04-JUN-99	28	9036
			IDS	9135.	ppm	BD	11-MAY-99	7	160.1
			TSS	53.	ppm	BD	11-MAY-99	160.2	160.2
			ZN (D)	.025	ppm	MDK	13-MAY-99	180	6010
L990776-2	04-MAY-99	EPRI-9905-116	AS (D)	.58	ppm	MDK	13-MAY-99	180	6010
			CA	426.	ppm	MDK	13-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	561.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1	310.1
			COND.	6810.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU (D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	1.1	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	465.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	18.	ppm	MDK	13-MAY-99	180	6010
			MG	166.	ppm	MDK	13-MAY-99	180	6010
			NA	1119.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	82.	ppm	JN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	02-JUN-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L990776-2	04-MAY-99	EPRI-9905-116	PH	7.4	pH units	DC	12-MAY-99	180	150.1
			SE(D)	2.0	ppm	MDK	13-MAY-99	180	6010
			SO4=	2822.	ppm	JN	04-JUN-99	28	9036
			TDS	5702.	ppm	BD	11-MAY-99	7	160.1
			TSS	266.	ppm	BD	11-MAY-99		160.2
			ZN(D)	<.02	ppm	MDK	13-MAY-99	180	6010
			AS(D)	.30	ppm	MDK	13-MAY-99	180	6010
			CA	49.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	326.	ppm	JN	01-JUN-99	28	325.2
L990776-3	04-MAY-99	EPRI-9905-115	CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	3160.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	3.0	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	260.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	16.	ppm	MDK	13-MAY-99	180	6010
			MG	22.	ppm	MDK	13-MAY-99	180	6010
			NA	732.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	4.4	ppm	JN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	8.2	pH units	DC	12-MAY-99		150.1
			SE(D)	0.13	ppm	MDK	13-MAY-99	180	6010
			SO4=	1049.	ppm	JN	04-JUN-99	28	9036
			TDS	2079.	ppm	BD	11-MAY-99	7	160.1
			TSS	170.	ppm	BD	11-MAY-99		160.2
			ZN(D)	<.02	ppm	MDK	13-MAY-99	180	6010
L990776-4	04-MAY-99	EPRI-9905-177	AS(D)	.31	ppm	MDK	13-MAY-99	180	6010
			CA	49.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	289.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	3140.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	3.2	ppm	EBK	02-JUN-99	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-4	04-MAY-99	EPRI-9905-177	FE (D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	241.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	15.	ppm	MDK	13-MAY-99	180	6010
			MG	22.	ppm	MDK	13-MAY-99	180	6010
			NA	714.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	4.5	ppm	JN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	8.1	pH units	DC	12-MAY-99	150.1	
			SE (D)	0.12	ppm	MDK	13-MAY-99	180	6010
			SO4=	812.	ppm	JN	04-JUN-99	28	9036
			TDS	1771.	ppm	BD	11-MAY-99	7	160.1
			TSS	280.	ppm	BD	11-MAY-99	160.2	
			ZN (D)	<.02	ppm	MDK	13-MAY-99	180	6010
			AS (D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CA	<1.0	ppm	MDK	13-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	1.2	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1	
			COND.	<10	unhos	AKH	26-MAY-99	28	120.1
L990776-5	04-MAY-99	EPRI-9905-178	CR (D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU (D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	<.05	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	<1	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	<5.	ppm	MDK	13-MAY-99	180	6010
			MG	<1.	ppm	MDK	13-MAY-99	180	6010
			NA	<5.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	<0.1	ppm	JN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	5.8	pH units	DC	12-MAY-99	150.1	
			SE (D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			SO4=	1.3	ppm	JN	04-JUN-99	28	9036
			TDS	<10	ppm	BD	11-MAY-99	7	160.1
			TSS	<1	ppm	BD	11-MAY-99	160.2	
			ZN (D)	<.02	ppm	MDK	13-MAY-99	180	6010
			AS (D)	.086	ppm	MDK	13-MAY-99	180	6010
			CA	113.	ppm	MDK	13-MAY-99	180	6010
L990776-6	05-MAY-99	EPRI-9905-100	AS (D)	.086	ppm	MDK	13-MAY-99	180	6010
			CA	113.	ppm	MDK	13-MAY-99	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-6	05-MAY-99	EPRI-9905-100	CD (D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	206.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	2170.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU (D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	0.88	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	.88	ppm	MDK	13-MAY-99	180	6010
			HCO3	360.	ppm	MDK	13-MAY-99	180	6010
			K	14.	ppm CaCO3	DC	12-MAY-99	14	310.1
			MG	31.	ppm	MDK	13-MAY-99	180	6010
			NA	282.	ppm	MDK	13-MAY-99	180	6010
			NO2/NO3	<0.1	ppm	JN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	7.9	pH units	DC	12-MAY-99		150.1
			SE (D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			SO4=	418.	ppm	JN	04-JUN-99	28	9036
			TDS	1423.	ppm	BD	11-MAY-99	7	160.1
			TSS	696.	ppm	BD	11-MAY-99		160.2
			ZN (D)	<.02	ppm	MDK	13-MAY-99	180	6010
			AS (D)	.054	ppm	KPB	02-JUN-99	180	6020M
			CA	71.	ppm	MDK	13-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	02-JUN-99	180	6020M
L990776-7	05-MAY-99	EPRI-9905-101	CL-	285.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	2780.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU (D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	2.6	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	660.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	7.5	ppm	MDK	13-MAY-99	180	6010
			MG	30.	ppm	MDK	13-MAY-99	180	6010
			NA	585.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	<0.1	ppm	JN	26-MAY-99	28	353.2
			PB (D)	0.005	ppm	KPB	02-JUN-99	180	6020M
			PH	8.1	pH units	DC	12-MAY-99		150.1
			SE (D)	<.005	ppm	KPB	02-JUN-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-7	05-MAY-99	EPRI-9905-101	SO4=	444.	ppm	JN	04-JUN-99	28	9036
			TDS	1804.	ppm	BD	11-MAY-99	7	160.1
			TSS	14.	ppm	BD	11-MAY-99		160.2
			ZN(D)	.032	ppm	KPB	02-JUN-99	180	6020M
			AS(D)	.023	ppm	KPB	02-JUN-99	180	6020M
			CA	387.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	882.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	7400.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	1.5	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
L990776-8	05-MAY-99	EPRI-9905-102	HCO3	373.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	26.	ppm	MDK	13-MAY-99	180	6010
			MG	141.	ppm	MDK	13-MAY-99	180	6010
			NA	1462.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	0.19	ppm	JN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	8.1	pH units	DC	12-MAY-99		150.1
			SE(D)	0.007	ppm	KPB	02-JUN-99	180	6020M
			SO4=	2807.	ppm	JN	04-JUN-99	28	9036
			TDS	5803.	ppm	BD	11-MAY-99	7	160.1
			TSS	5.1	ppm	BD	11-MAY-99		160.2
			ZN(D)	.025	ppm	KPB	02-JUN-99	180	6020M
			AS(D)	.023	ppm	KPB	02-JUN-99	180	6020M
			CA	380.	ppm	MDK	13-MAY-99	180	6010
L990776-9	05-MAY-99	EPRI-9905-179	CD(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	879.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	7400.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	1.5	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	372.	ppm CaCO3	DC	12-MAY-99	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-9	05-MAY-99	EPRI-9905-179	K	24.	ppm	MDK	13-MAY-99	180	6010
			MG	139.	ppm	MDK	13-MAY-99	180	6010
			NA	1440.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	<0.1	ppm	JN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	7.9	pH units	DC	12-MAY-99		150.1
			SE(D)	0.007	ppm	KPB	02-JUN-99	180	6020M
			SO4=	3168.	ppm	JN	04-JUN-99	28	9036
			TDS	5894.	ppm	BD	11-MAY-99	7	160.1
			TSS	3.8	ppm	BD	11-MAY-99		160.2
			ZN(D)	.029	ppm	KPB	02-JUN-99	180	6020M
			AS(D)	.065	ppm	KPB	02-JUN-99	180	6020M
			CA	112.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
L990776-10	05-MAY-99	EPRI-9905-103	CL-	334.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	3110.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	1.7	ppm	EBK	02-JUN-99	28	340.2
			FS(D)	1.4	ppm	MDK	13-MAY-99	180	6010
			HCO3	320.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	7.5	ppm	MDK	13-MAY-99	180	6010
			MG	39.	ppm	MDK	13-MAY-99	180	6010
			NA	551.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	0.41	ppm	JN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	7.9	pH units	DC	12-MAY-99		150.1
			SE(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
L990776-11	05-MAY-99	EPRI-9905-114	SO4=	829.	ppm	JN	04-JUN-99	28	9036
			TDS	2119.	ppm	BD	11-MAY-99	7	160.1
			TSS	10.	ppm	BD	11-MAY-99		160.2
			ZN(D)	.025	ppm	KPB	02-JUN-99	180	6020M
			AS(D)	.31	ppm	MDK	13-MAY-99	180	6010
			CA	30.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	.73	ppm	MDK	13-MAY-99	180	6010
			CL-	18.	ppm	JN	01-JUN-99	28	325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-11	05-MAY-99	EPRI-9905-114	CO3	<1	ppm CaCO3	DC	12-MAY-99	28	310.1
			COND.	362.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU (D)	.039	ppm	MDK	13-MAY-99	180	6010
			F-	0.50	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	34.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	5.0	ppm	MDK	13-MAY-99	180	6010
			MG	4.1	ppm	MDK	13-MAY-99	180	6010
			NA	25.	ppm	MDK	13-MAY-99	180	6010
			NO2/NO3	3.0	ppm	JN	26-MAY-99	28	353.2
			PB (D)	0.010	ppm	KPB	02-JUN-99	180	6020M
			PH	7.3	PH units	DC	12-MAY-99	180	150.1
			SE (D)	0.23	ppm	MDK	13-MAY-99	180	6010
			SO4=	89.	ppm	JN	04-JUN-99	28	9036
			TDS	239.	ppm	BD	11-MAY-99	7	160.1
			TSS	244.	ppm	BD	11-MAY-99	180	160.2
			ZN (D)	2.3	ppm	MDK	13-MAY-99	180	6010
L990776-12	04-MAY-99	EPRI-9905-124	AS (D)	1.3	ppm	MDK	13-MAY-99	180	6010
			CA	241.	ppm	MDK	13-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	565.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	28	310.1
			COND.	5580.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU (D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	2.1	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	460.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	23.	ppm	MDK	13-MAY-99	180	6010
			MG	68.	ppm	MDK	13-MAY-99	180	6010
			NA	1051.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	<0.1	ppm	JN	26-MAY-99	28	353.2
			PB (D)	0.005	ppm	KPB	02-JUN-99	180	6020M
			PH	7.6	PH units	DC	12-MAY-99	180	150.1
			SE (D)	0.015	ppm	KPB	02-JUN-99	180	6020M
			SO4=	2085.	ppm	JN	04-JUN-99	28	9036
			TDS	4141.	ppm	BD	11-MAY-99	7	160.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB. NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-12	04-MAY-99	EPRI-9905-124	TSS	1607.	ppm	BD	11-MAY-99	180	160.2
			ZN(D)	.037	ppm	KPB	02-JUN-99	180	6020M
L990776-13	05-MAY-99	EPRI-9905-121	AS(D)	54.	ppm	MDK	24-MAY-99	180	6010
			CA	443.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	1.4	ppm	MDK	13-MAY-99	180	6010
			CL-	421.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm	DC	12-MAY-99	310.1	
			COND.	7120.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	6.2	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	255.	ppm	DC	12-MAY-99	14	310.1
			K	92.	ppm	MDK	13-MAY-99	180	6010
			MG	86.	ppm	MDK	24-MAY-99	180	6010
			NA	1245.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	112.	ppm	JN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	02-JUN-99	180	5020M
			PH	7.3	pH units	DC	12-MAY-99	150.1	
			SE(D)	1.1	ppm	MDK	13-MAY-99	180	6010
			SO4-	3166.	ppm	JN	04-JUN-99	28	9036
			TDS	5804.	ppm	BD	11-MAY-99	7	160.1
			TSS	238.	ppm	BD	11-MAY-99	160.2	
			ZN(D)	4.6	ppm	MDK	13-MAY-99	180	6010
L990776-14	05-MAY-99	EPRI-9905-107	AS(D)	.008	ppm	KPB	02-JUN-99	180	6020M
			CA	197.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	381.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm	DC	12-MAY-99	310.1	
			COND.	4170.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	0.80	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	245.	ppm	DC	12-MAY-99	14	310.1
			K	11.	ppm	MDK	13-MAY-99	180	6010
			MG	77.	ppm	MDK	13-MAY-99	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-14	05-MAY-99	EPRI-9905-107	NA	710.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	21.	ppm	JN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	7.7	pH units	DC	12-MAY-99		150.1
			SE(D)	0.15	ppm	MDK	13-MAY-99	180	6010
			SO4=	1212.	ppm	JN	04-JUN-99	28	9036
			TDS	3083.	ppm	BD	11-MAY-99	7	160.1
			TSS	75.	ppm	BD	11-MAY-99		160.2
			ZN(D)	.066	ppm	KPB	02-JUN-99	180	6020M
			AS(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CA	<1.0	ppm	MDK	13-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			CL-	<1	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
L990776-15	05-MAY-99	EPRI-9905-180	COND.	<10	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	<.05	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	<1	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	<5.	ppm	MDK	13-MAY-99	180	6010
			MG	<1.	ppm	MDK	13-MAY-99	180	6010
			NA	<5.	ppm	MDK	13-MAY-99	180	6010
			NO2/NO3	<0.1	ppm	JN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	02-JUN-99	180	6020M
			PH	5.8	pH units	DC	12-MAY-99		150.1
			SE(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
			SO4=	1.7	ppm	JN	04-JUN-99	28	9036
			TDS	<10	ppm	BD	11-MAY-99	7	160.1
			TSS	<1	ppm	BD	11-MAY-99		160.2
			ZN(D)	<.02	ppm	KPB	02-JUN-99	180	6020M
			AS(D)	1.7	ppm	MDK	13-MAY-99	180	6010
			CA	339.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	02-JUN-99	180	6020M
L990776-16	06-MAY-99	EPRI-9905-106	CL-	295.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	4900.	umhos	AKH	26-MAY-99	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-16	06-MAY-99	EPRI-9905-106	CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	1.9	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	.18	ppm	MDK	13-MAY-99	180	6010
			HCO3	363.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	55.	ppm	MDK	13-MAY-99	180	6010
			MG	91.	ppm	MDK	13-MAY-99	180	6010
			NA	730.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	29.	ppm	JN	26-MAY-99	28	353.2
			PB(D)	0.006	ppm	KPB	02-JUN-99	180	6020M
			PH	7.4	pH units	DC	12-MAY-99	180	150.1
			SE(D)	0.25	ppm	MDK	13-MAY-99	180	6010
			SO4=	1906.	ppm	JN	04-JUN-99	28	9036
			TDS	3939.	ppm	BD	11-MAY-99	7	160.1
			TSS	5.6	ppm	BD	11-MAY-99	160.2	
			ZN(D)	<.02	ppm	MDK	13-MAY-99	180	6010
L990776-17	06-MAY-99	EPRI-9905-105	AS(D)	38	ppm	MDK	13-MAY-99	180	6010
			CA	309.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	.65	ppm	MDK	13-MAY-99	180	6010
			CL-	644.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	28	310.1
			COND.	10640.	umhos	AXH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	1.5	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	337.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	76.	ppm	MDK	13-MAY-99	180	6010
			MG	61.	ppm	MDK	13-MAY-99	180	6010
			NA	2555.	ppm	AXH	07-JUN-99	180	273.1
			NO2/NO3	119.	ppm	JN	26-MAY-99	28	353.2
			PB(D)	0.007	ppm	KPB	02-JUN-99	180	6020M
			PH	7.7	pH units	DC	12-MAY-99	180	150.1
			SE(D)	5.1	ppm	MDK	13-MAY-99	180	6010
			SO4=	4552.	ppm	JN	04-JUN-99	28	9036
			TDS	8889.	ppm	BD	11-MAY-99	7	160.1
			TSS	6.8	ppm	BD	11-MAY-99	160.2	
			ZN(D)	.077	ppm	MDK	13-MAY-99	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-18	06-MAY-99	EPRI-9905-120	AS(D)	.81	ppm	MDK	13-MAY-99	180	6010
			CA	522.	ppm	MDK	08-JUN-99	180	6010
			CD(D)	1.9	ppm	MDK	13-MAY-99	180	6010
			CL-	1290.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	11250.	umbos	AKH	26-MAY-99	28	120.1
			CR(D)	.057	ppm	MDK	13-MAY-99	180	6010
			CU(D)	.35	ppm	MDK	13-MAY-99	180	6010
			F-	6.6	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	2.5	ppm	MDK	13-MAY-99	180	6010
			HCO3	587.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	25.	ppm	MDK	13-MAY-99	180	6010
			MG	276.	ppm	MDK	13-MAY-99	180	6010
			NA	2170.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	144.	ppm	JN	26-MAY-99	28	353.2
			PB(D)	0.031	ppm	KEB	02-JUN-99	180	6020M
			PH	7.3	pH units	DC	12-MAY-99		150.1
			SE(D)	0.38	ppm	MDK	13-MAY-99	180	6010
			SO4=	4484.	ppm	JN	04-JUN-99	28	9036
			TDS	9489.	ppm	BD	11-MAY-99	7	160.1
			TSS	30.	ppm	BD	11-MAY-99		160.2
			ZN(D)	3.1	ppm	MDK	13-MAY-99	180	6010
L990776-19	06-MAY-99	EPRI-9905-119	AS(D)	.30	ppm	MDK	13-MAY-99	180	6010
			CA	547.	ppm	MDK	08-JUN-99	180	6010
			CD(D)	.049	ppm	MDK	13-MAY-99	180	6010
			CL-	2024.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	9870.	umbos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	.098	ppm	MDK	13-MAY-99	180	6010
			F-	1.2	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	1.5	ppm	MDK	13-MAY-99	180	6010
			HCO3	200.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	41.	ppm	MDK	13-MAY-99	180	6010
			MG	409.	ppm	MDK	13-MAY-99	180	6010
			NA	1158.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	158.	ppm	JN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	02-JUN-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990776-19	06-MAY-99	EPRI-9905-119	PH	7.3	pH units	DC	12-MAY-99	150.1	
			SE(D)	0.25	ppm	MDK	13-MAY-99	180	6010
			SO4=	1940.	ppm	JN	04-JUN-99	28	9036
			TDS	7314.	ppm	BD	11-MAY-99	7	160.1
			TSS	27.	ppm	BD	11-MAY-99	160.2	
			ZN(D)	0.71	ppm	MDK	13-MAY-99	180	6010
			AS(D)	56.	ppm	MDK	13-MAY-99	180	6010
			CA	432.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	.53	ppm	MDK	13-MAY-99	180	6010
			CL-	704.	ppm	JN	01-JUN-99	28	325.2
L990776-20	06-MAY-99	EPRI-9905-122	CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1	
			COND.	9540.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	.059	ppm	MDK	13-MAY-99	180	6010
			F-	9.4	ppm	EEK	02-JUN-99	28	340.2
			FE(D)	.22	ppm	MDK	13-MAY-99	180	6010
			HCO3	744.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	367.	ppm	AKH	07-JUN-99	180	258.1
			MG	286.	ppm	MDK	13-MAY-99	180	6010
			NA	1484.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	6.6	ppm	JN	26-MAY-99	28	353.2
			PH(D)	0.005	ppm	KEB	02-JUN-99	180	6020M
			PH	7.1	pH units	DC	12-MAY-99	150.1	
			SE(D)	0.070	ppm	KEB	02-JUN-99	180	6020M
			SO4=	4250.	ppm	JN	04-JUN-99	28	9036
			TDS	7806.	ppm	BD	11-MAY-99	7	160.1
			TSS	57.	ppm	BD	11-MAY-99	160.2	
			ZN(D)	9.2	ppm	MDK	13-MAY-99	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT


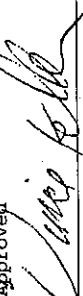
El Paso

Water and Solid Waste (Project 3220)

Batch No: L990776

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	ANALYZED	DATE	HOLD
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Sulfate holding time was exceeded by (3) three days.


 Approved

 Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990441

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID DAYS METHOD
WG990441-1		Matrix Spike	AS (D)	104	% RECOVERY	MDK	13-MAY-99	6010
			CD (D)	104	% RECOVERY	KPB	02-JUN-99	6020M
			CL-	106	% RECOVERY	JN	01-JUN-99	325.2
			CR (D)	102	% RECOVERY	MDK	13-MAY-99	6010
			CU (D)	97	% RECOVERY	MDK	13-MAY-99	6010
			F-	105	% RECOVERY	EBK	02-JUN-99	340.2
			FE (D)	124	% RECOVERY	MDK	13-MAY-99	6010
			NO2/NO3	102	% RECOVERY	JN	26-MAY-99	353.2
			PB (D)	102	% RECOVERY	KPB	02-JUN-99	6020M
			SE (D)	108	% RECOVERY	KPB	02-JUN-99	6020M
			SO4=	92	% RECOVERY	JN	04-JUN-99	9036
			ZN (D)	96	% RECOVERY	KPB	02-JUN-99	6020M
			AS (D)	<.005	ppm	KPB	02-JUN-99	6020M
			CA	<1.0	ppm	MDK	13-MAY-99	6010
			CD (D)	<.005	ppm	KPB	02-JUN-99	6020M
			CL-	<1	ppm	JN	01-JUN-99	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1
			COND.	<10	umhos	AKH	26-MAY-99	120.1
			CR (D)	<.010	ppm	MDK	13-MAY-99	6010
			CU (D)	<.025	ppm	MDK	13-MAY-99	6010
WG990441-2		Prep Blank	F-	<.05	ppm	EBK	02-JUN-99	340.2
			FE (D)	<.10	ppm	MDK	13-MAY-99	6010
			HCO3	<1	ppm CaCO3	DC	12-MAY-99	310.1
			K	<5.	ppm	MDK	13-MAY-99	6010
			Mg	<1.	ppm	MDK	13-MAY-99	6010
			NA	<5.	ppm	AKH	07-JUN-99	273.1
			NO2/NO3	<0.1	ppm	JN	26-MAY-99	353.2
			PB (D)	<.003	ppm	KPB	02-JUN-99	6020M
			PH	5.1	pH units	DC	12-MAY-99	150.1
			SE (D)	<.005	ppm	KPB	02-JUN-99	6020M
			SO4=	<1.	ppm	JN	04-JUN-99	9036
			TDS	<10	ppm	BD	11-MAY-99	160.1
			TSS	<1	ppm	BD	11-MAY-99	160.2
			ZN (D)	<.02	ppm	KPB	02-JUN-99	6020M
			AS (D)	99	% RECOVERY	MDK	13-MAY-99	6010
			CA	108	% RECOVERY	MDK	13-MAY-99	6010
			CD (D)	99	% RECOVERY	KPB	02-JUN-99	6020M
WG990441-3		Laboratory Control	AS (D)	99	% RECOVERY	MDK	13-MAY-99	6010
			CA	108	% RECOVERY	MDK	13-MAY-99	6010
			CD (D)	99	% RECOVERY	KPB	02-JUN-99	6020M

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El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990441

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990441-3		Laboratory Control	CL-	97	% RECOVERY JN		01-JUN-99	325.2	
			COND.	100	% RECOVERY AKH		26-MAY-99	120.1	
			CR(D)	104	% RECOVERY MDK		13-MAY-99	6010	
			CU(D)	90	% RECOVERY MDK		13-MAY-99	6010	
			F-	97	% RECOVERY EBK		02-JUN-99	340.2	
			FE(D)	111	% RECOVERY MDK		13-MAY-99	6010	
			HCO3	94	% RECOVERY DC		12-MAY-99	310.1	
			K	100	% RECOVERY MDK		13-MAY-99	6010	
			MG	107	% RECOVERY MDK		13-MAY-99	6010	
			NA	108	% RECOVERY AKH		07-JUN-99	273.1	
			NO2/NO3	102	% RECOVERY JN		26-MAY-99	353.2	
			PB(D)	101	% RECOVERY KPB		02-JUN-99	6020M	
			PH	98	% RECOVERY DC		12-MAY-99	150.1	
			SE(D)	94	% RECOVERY MDK		13-MAY-99	6010	
			SO4=	98	% RECOVERY JN		04-JUN-99	9036	
			TDS	100	% RECOVERY BD		11-MAY-99	160.1	
			TSS	108	% RECOVERY BD		11-MAY-99	160.2	
			ZN(D)	101	% RECOVERY KPB		02-JUN-99	6020M	
			AS(D)	4.3	% RPD MDK		13-MAY-99	6010	
			CA	1.7	% RPD MDK		13-MAY-99	6010	
WG990441-4		Duplicate	CD(D)	<1	% RPD KPB		02-JUN-99	6020M	
			CL-	<1	% RPD JN		01-JUN-99	325.2	
			CO3	<1	% RPD DC		12-MAY-99	310.1	
			COND.	<1	% RPD AKH		26-MAY-99	120.1	
			CR(D)	<1	% RPD MDK		13-MAY-99	6010	
			CU(D)	<1	% RPD MDK		13-MAY-99	6010	
			F-	<1	% RPD EBK		02-JUN-99	340.2	
			FE(D)	<1	% RPD MDK		13-MAY-99	6010	
			HCO3	<1	% RPD DC		12-MAY-99	310.1	
			K	13.	% RPD MDK		13-MAY-99	6010	
			MG	1.7	% RPD MDK		13-MAY-99	6010	
			NA	<1	% RPD AKH		07-JUN-99	273.1	
			NO2/NO3	7.6	% RPD JN		26-MAY-99	353.2	
			PB(D)	<1	% RPD KPB		02-JUN-99	6020M	
			PH	<1	% RPD DC		12-MAY-99	150.1	
			SE(D)	7.8	% RPD MDK		13-MAY-99	6010	
			SO4=	<1	% RPD JN		04-JUN-99	9036	
			TDS	<1	% RPD BD		11-MAY-99	160.1	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990441

LAB NO	DATE	COMPLETION	DESCRIPTION	PARAMETER	VALUE	UNITS	SUBSTRATE	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990441-4			Duplicate	TSS	3.5	% RPD	BD		11-MAY-99		160.2
				ZN(D)	3.9	% RPD	MDK		13-MAY-99		6010
				AS(D)	.005	ppm					6010
				CA	1.0	ppm					6010
				CD(D)	.005	ppm					6020M
				CL-	1.0	ppm					325.2
				CO3	1.0	ppm	CaCO3				310.1
				COND.	10.	umhos					120.1
				CR(D)	.010	ppm					6010
				CU(D)	.025	ppm					6010
				F-	0.05	ppm					340.2
				FE(D)	0.10	ppm					6010
				HCO3	1.0	ppm	CaCO3				310.1
				K	5.0	ppm					6010
				MG	1.0	ppm					6010
				NA	5.0	ppm					273.1
				NO2/NO3	0.10	ppm					353.2
				PB(D)	0.003	ppm					6020M
				SE(D)	0.005	ppm					6020M
				SO4=	1.0	ppm					9036
				TDS	10.	ppm					160.1
				TSS	1.0	ppm					160.2
				ZN(D)	0.02	ppm					6020M

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		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		
0931	ASARCO - EL PASO, TX	3												
5-1-99	840			EPR1-9905-108	X	X	X							
	930			EPR1-9905-116	X	X	X							
	945			EPR1-9905-115	X	X	X							
	950			EPR1-9905-177	X	X	X							
	1105			EPR1-9905-178	X	X	X							
5/5/99	750			EPR1-9905-100	X	X	X							
	810			EPR1-9905-101	X	X	X							
	845			EPR1-9905-102	X	X	X							
	850			EPR1-9905-179	X	X	X							
	910			EPR1-9905-103	X	X	X							
	1400			EPR1-9905-114	X	X	X							
5/4/99	1430			EPR1-9905-124	X	X	X							
5/5/99	1500			EPR1-9905-121	X	X	X							
	1600			EPR1-9905-107	X	X	X							
	1600			EPR1-9905-180	X	X	X							
Relinquished (Signature)		Received by: (Signature)		Date/Time	Lab	P.O. #			Shipped via: Bus, FedEx, UPS					
5/1/99 Douglas M. Soto		5/6/99		14:16	SALT LAKE CITY, UT				Other					
Relinquished (Signature)		Received by: (Signature)		Date/Time	Remarks									
Relinquished (Signature)		Received for Laboratory by: (Signature)		Date/Time	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					
		glatter			5-7-99 1030				Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined					

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 CON-TAINERS		REMARKS									
0931		ASARCO-EL PASO, TX													
SAMPLERS: (Signature)															
Doug Solon															
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	
5/16/99	810			EPRI-9905-106	3	X	X	X							
	845			EPRI-9905-105	3	X	X	X							
	1000			EPRI-9905-120	3	X	X	X							
	1030			EPRI-9905-119	3	X	X	X							
	1100			EPRI-9905-122	3	X	X	X							
[Large diagonal line across the table]															
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab TSC-		P.O. #		Shipped via: Bus, Fed Ex, UPS					
[Signature]		5/16/99 14:10				SALT LAKE CITY, UT				Other					
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks									
[Signature]															
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed: <input type="checkbox"/> Parameter sheet w/detection limits							
[Signature]				[Signature]				<input type="checkbox"/> QA/QC standard mixing instructions		<input type="checkbox"/> Cover letter					
								<input type="checkbox"/> Other							

HFORM 5

Return results & electronic copy to:
Computer Dept at address at top of page

Split Samples:
☐ Accepted ☐ Declined

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990799

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990799-1	06-MAY-99	EPRI-9905-127	AS(D)	3.1	ppm	MDK	13-MAY-99	180	6010
			CA	190.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	04-JUN-99	180	6020M
			CL-	515.	ppm	JN	27-MAY-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	28	310.1
			COND.	5060.	umhos	AKH	14-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	5.6	ppm	BD	12-MAY-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	356.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	91.	ppm	MDK	13-MAY-99	180	6010
			MG	103.	ppm	MDK	13-MAY-99	180	6010
			NA	825.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	14.	ppm	JN	25-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	06-JUN-99	180	6020M
			PH	7.4	pH units	DC	12-MAY-99	150.1	150.1
			SE(D)	.29	ppm	KPB	04-JUN-99	180	6020M
			SO4=	1724.	ppm	JN	17-MAY-99	28	9036
			TDS	3749.	ppm	AKH	13-MAY-99	7	160.1
L990799-2	06-MAY-99	EPRI-9905-128	TSS	8.2	ppm	AKH	12-MAY-99	160.2	160.2
			ZN(D)	.039	ppm	KPB	04-JUN-99	180	6020M
			AS(D)	.038	ppm	KPB	04-JUN-99	180	6020M
			CA	360.	ppm	MDK	13-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	04-JUN-99	180	6020M
			CL-	830.	ppm	JN	27-MAY-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1	310.1
			COND.	9280.	umhos	AKH	14-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	1.9	ppm	BD	12-MAY-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	184.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	24.	ppm	MDK	13-MAY-99	180	6010
			MG	133.	ppm	MDK	13-MAY-99	180	6010
			NA	1952.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	73.	ppm	JN	25-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	06-JUN-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990799

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID DAYS METHOD
L990799-2	06-MAY-99	EPRI-9905-128	PH	7.9	PH units	DC	12-MAY-99	150.1
			SE(D)	.49	ppm	KPB	04-JUN-99	180
			SO4=	3748.	ppm	JN	17-MAY-99	28
			TDS	7607.	ppm	AKH	13-MAY-99	7
			TSS	22.	ppm	AKH	12-MAY-99	160.1
			ZN(D)	.043	ppm	KPB	04-JUN-99	180
			AS(D)	.83	ppm	KPB	04-JUN-99	180
			CA	169.	ppm	MDK	13-MAY-99	180
			CD(D)	<.005	ppm	KPB	04-JUN-99	180
			CL-	431.	ppm	JN	27-MAY-99	28
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1
			COND.	4420.	umhos	AKH	14-MAY-99	28
			CR(D)	<.010	ppm	MDK	13-MAY-99	180
			CU(D)	<.025	ppm	MDK	13-MAY-99	180
L990799-3	06-MAY-99	EPRI-9905-130	F-	3.2	ppm	BD	12-MAY-99	28
			FE(D)	<.10	ppm	MDK	13-MAY-99	180
			HCO3	360.	ppm CaCO3	DC	12-MAY-99	14
			K	48.	ppm	MDK	13-MAY-99	180
			MG	82.	ppm	MDK	13-MAY-99	180
			NA	776.	ppm	AKH	07-JUN-99	180
			NO2/NO3	5.8	ppm	JN	25-MAY-99	28
			PB(D)	<.003	ppm	KPB	06-JUN-99	180
			PH	7.6	PH units	DC	12-MAY-99	150.1
			SE(D)	.28	ppm	KPB	04-JUN-99	180
			SO4=	1328.	ppm	JN	17-MAY-99	28
			TDS	3220.	ppm	AKH	13-MAY-99	7
			TSS	6.3	ppm	AKH	12-MAY-99	160.1
			ZN(D)	.039	ppm	KPB	04-JUN-99	180
L990799-4	06-MAY-99	EPRI-9905-131	AS(D)	.020	ppm	KPB	04-JUN-99	180
			CA	253.	ppm	MDK	13-MAY-99	180
			CD(D)	<.005	ppm	KPB	04-JUN-99	180
			CL-	1163.	ppm	JN	27-MAY-99	28
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1
			COND.	8300.	umhos	AKH	14-MAY-99	28
			CR(D)	<.010	ppm	MDK	13-MAY-99	180
			CU(D)	<.025	ppm	MDK	13-MAY-99	180
			F-	2.2	ppm	BD	12-MAY-99	28
								340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990799

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID DAYS METHOD
L990799-4	06-MAY-99	EPRI-9905-131	FE (D)	<.10	ppm	MDK	13-MAY-99	180
			HCO3	487.	ppm	DC	12-MAY-99	14
			K	37.	ppm	MDK	13-MAY-99	180
			MG	176.	ppm	MDK	13-MAY-99	180
			NA	1570.	ppm	AKH	07-JUN-99	180
			NO2/NO3	6.4	ppm	JN	25-MAY-99	28
			PB (D)	<.003	ppm	KPB	06-JUN-99	180
			PH	7.6	pH units	DC	12-MAY-99	150.1
			SE (D)	.16	ppm	KPB	04-JUN-99	180
			SO4=	2544.	ppm	JN	17-MAY-99	28
			TDS	6237.	ppm	AKH	13-MAY-99	7
			TSS	19.	ppm	AKH	12-MAY-99	160.2
			ZN (D)	.028	ppm	KPB	04-JUN-99	180
								6020M
			AS (D)	.007	ppm	KPB	04-JUN-99	180
			CA	551.	ppm	MDK	13-MAY-99	180
			CD (D)	<.005	ppm	KPB	04-JUN-99	180
			CL-	1366.	ppm	JN	27-MAY-99	28
			CO3	<1	ppm	DC	12-MAY-99	310.1
			COND.	8670.	umhos	AKH	14-MAY-99	28
L990799-5	06-MAY-99	EPRI-9905-132	CR (D)	<.010	ppm	MDK	13-MAY-99	180
			CU (D)	<.025	ppm	MDK	13-MAY-99	180
			F-	1.7	ppm	BD	12-MAY-99	28
			FE (D)	.16	ppm	MDK	13-MAY-99	180
			HCO3	256.	ppm	DC	12-MAY-99	14
			K	14.	ppm	MDK	13-MAY-99	180
			MG	250.	ppm	MDK	13-MAY-99	180
			NA	1311.	ppm	AKH	07-JUN-99	180
			NO2/NO3	83.	ppm	JN	25-MAY-99	28
			PB (D)	<.003	ppm	KPB	06-JUN-99	180
			PH	7.4	pH units	DC	12-MAY-99	150.1
			SE (D)	.20	ppm	KPB	04-JUN-99	180
			SO4=	2802.	ppm	JN	17-MAY-99	28
			TDS	7149.	ppm	AKH	13-MAY-99	7
			TSS	11.	ppm	AKH	12-MAY-99	160.2
			ZN (D)	.027	ppm	KPB	04-JUN-99	180
								6020M
			AS (D)	9.9	ppm	MDK	13-MAY-99	180
			CA	521.	ppm	MDK	13-MAY-99	180
L990799-6	06-MAY-99	EPRI-9905-134						

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990799

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990799-6	06-MAY-99	EPRI-9905-134	CD(D)	.011	ppm	KPB	04-JUN-99	180	6020M
			CL-	687.	ppm	JN	27-MAY-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	7620.	unhos	AKH	14-MAY-99	28	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	180	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	180	6010
			F-	3.2	ppm	BD	12-MAY-99	28	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	180	6010
			HCO3	400	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	43.	ppm	MDK	13-MAY-99	180	6010
			MG	141.	ppm	MDK	13-MAY-99	180	6010
			NA	1299.	ppm	AKH	07-JUN-99	180	273.1
			NO2/NO3	38.	ppm	JN	25-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	06-JUN-99	180	6020M
			PH	7.5	pH units	DC	12-MAY-99		150.1
			SE(D)	.20	ppm	KPB	04-JUN-99	180	6020M
			SO4=	2864.	ppm	JN	17-MAY-99	28	9036
			TDS	6479.	ppm	AKH	13-MAY-99	7	160.1
			TSS	7.4	ppm	AKH	12-MAY-99		160.2
			ZN(D)	.094	ppm	KPB	04-JUN-99	180	6020M

Vince Latta
Approved

Vince Latta
Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990450

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FIELD METHOD
WG990450-1		Matrix Spike	AS(D)	95	% RECOVERY	MDK	13-MAY-99	6010
			CD(D)	100	% RECOVERY	KPB	04-JUN-99	6020M
			CL-	108	% RECOVERY	JN	27-MAY-99	325.2
			CR(D)	104	% RECOVERY	MDK	13-MAY-99	6010
			CU(D)	99	% RECOVERY	BD	12-MAY-99	340.2
			F-	95	% RECOVERY	MDK	13-MAY-99	6010
			FE(D)	128	% RECOVERY	JN	25-MAY-99	353.2
			NO2/NO3	87	% RECOVERY	KPB	06-JUN-99	6020M
			PB(D)	99	% RECOVERY	KPB	04-JUN-99	6020M
			SE(D)	94	% RECOVERY	JN	17-MAY-99	9036
			SO4=	102	% RECOVERY	KPB	04-JUN-99	6020M
			ZN(D)	79	% RECOVERY	KPB	04-JUN-99	6020M
			AS(D)	<.005	ppm	MDK	13-MAY-99	6010
			CA	<1	ppm	MDK	13-MAY-99	6010
			CD(D)	<.005	ppm	KPB	04-JUN-99	6020M
			CL-	<1	ppm	JN	27-MAY-99	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1
WG990450-2		Prep Blank	COND.	<10	umhos	AKH	14-MAY-99	120.1
			CR(D)	<.010	ppm	MDK	13-MAY-99	6010
			CU(D)	<.025	ppm	MDK	13-MAY-99	6010
			F-	<.05	ppm	BD	12-MAY-99	340.2
			FE(D)	<.10	ppm	MDK	13-MAY-99	6010
			HCO3	<1	ppm CaCO3	DC	12-MAY-99	310.1
			K	<5.	ppm	MDK	13-MAY-99	6010
			MG	<1	ppm	MDK	13-MAY-99	6010
			NA	<5.	ppm	AKH	07-JUN-99	273.1
			NO2/NO3	<.05	ppm	JN	25-MAY-99	353.2
			PB(D)	<.003	ppm	KPB	06-JUN-99	6020M
			PH	5.0	PH units	DC	12-MAY-99	150.1
			SE(D)	<.005	ppm	KPB	04-JUN-99	6020M
			SO4=	<1	ppm	JN	17-MAY-99	9036
			TDS	<10	ppm	AKH	13-MAY-99	160.1
			TSS	<1	ppm	AKH	12-MAY-99	160.2
			ZN(D)	<.020	ppm	KPB	04-JUN-99	6020M
WG990450-3		Laboratory Control	AS(D)	94	% RECOVERY	MDK	13-MAY-99	6010
			CA	111	% RECOVERY	MDK	13-MAY-99	6010
			CD(D)	98	% RECOVERY	KPB	04-JUN-99	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990450

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	MOID	CRYS	METHOD
WG990450-3		Laboratory Control	CL-	109		% RECOVERY JN	27-MAY-99			325.2
			COND-	100		% RECOVERY AKH	14-MAY-99			120.1
			CR(D)	105		% RECOVERY MDK	13-MAY-99			6010
			CU(D)	85		% RECOVERY MDK	13-MAY-99			6010
			F-	110		% RECOVERY BD	12-MAY-99			340.2
			FE(D)	111		% RECOVERY MDK	13-MAY-99			6010
			HCO3	95		% RECOVERY DC	12-MAY-99			310.1
			K	102		% RECOVERY MDK	13-MAY-99			6010
			MG	114		% RECOVERY MDK	13-MAY-99			6010
			NA	102		% RECOVERY AKH	07-JUN-99			273.1
			NO2/NO3	99		% RECOVERY JN	25-MAY-99			353.2
			PB(D)	97		% RECOVERY KPB	06-JUN-99			6020M
			PH	99		% RECOVERY DC	12-MAY-99			150.1
			SE(D)	89		% RECOVERY KPB	04-JUN-99			6020M
			SO4=	102		% RECOVERY JN	17-MAY-99			9036
			TDS	99		% RECOVERY AKH	13-MAY-99			160.1
			TSS	103		% RECOVERY AKH	12-MAY-99			160.2
			ZN(D)	95		% RECOVERY KPB	04-JUN-99			6020M
WG990450-4		Duplicate	AS(D)	<1		% RPD MDK	13-MAY-99			6010
			CA	<1		% RPD MDK	13-MAY-99			6010
			CD(D)	<1		% RPD KPB	04-JUN-99			6020M
			CL-	2.2		% RPD JN	27-MAY-99			325.2
			CO3	<1		% RPD DC	12-MAY-99			310.1
			COND-	<1		% RPD AKH	14-MAY-99			120.1
			CR(D)	<1		% RPD MDK	13-MAY-99			6010
			CU(D)	<1		% RPD MDK	13-MAY-99			6010
			F-	11.		% RPD BD	12-MAY-99			340.2
			FE(D)	<1		% RPD MDK	13-MAY-99			6010
			HCO3	<1		% RPD DC	12-MAY-99			310.1
			K	<1		% RPD MDK	13-MAY-99			6010
			MG	<1		% RPD MDK	13-MAY-99			6010
			NA	3.3		% RPD AKH	07-JUN-99			273.1
			NO2/NO3	1.4		% RPD JN	25-MAY-99			353.2
			PB(D)	<1		% RPD KPB	06-JUN-99			6020M
			PH	<1		% RPD DC	12-MAY-99			150.1
			SE(D)	<1		% RPD KPB	04-JUN-99			6020M
			SO4=	12.		% RPD JN	17-MAY-99			9036
			TDS	<1		% RPD AKH	13-MAY-99			160.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

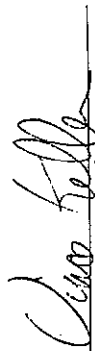
El Paso

Water and Solid Waste (Project 3220)


Batch No: WG990450

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990450-4		Duplicate	TSS	<1	% RPD	AKH	12-MAY-99		160.2
			ZN(D)	5.3	% RPD	KPB	04-JUN-99		6020M
			AS(D)	.005	ppm				6010
			CA	1.0	ppm				6010
			CD(D)	.005	ppm				6020M
			CL-	1.0	ppm				325.2
			CO3	1.0	ppm				310.1
			COND.	10.	unhos				120.1
			CR(D)	.010	ppm				6010
			CU(D)	.025	ppm				6010
			F-	.05	ppm				340.2
			FE(D)	.10	ppm				6010
			HCO3	1.0	ppm				310.1
			K	5.0	ppm				6010
			MG	1.0	ppm				6010
			NA	5.0	ppm				273.1
			NO2/NO3	.05	ppm				353.2
			PE(D)	.003	ppm				6020M
			SE(D)	.005	ppm				6020M
			SO4=	1.0	ppm				9036
			TDS	10.	ppm				160.1
			TSS	1.0	ppm				160.2
			ZN(D)	.020	ppm				6020M

Practical Quantitation Limit



Approved



Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990800

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990800-1	06-MAY-99	EPRI-9905-181	AS (D)	0.018		KPB	09-JUN-99	180	6020M
			CA	243.	ppm	MDK	07-JUN-99	180	6010
			CD (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	870.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm	DC	12-MAY-99		310.1
			COND.	8210.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU (D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	2.0	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.1	ppm	MDK	07-JUN-99	180	6010
			HCO3	515.	ppm	DC	12-MAY-99	14	310.1
			K	46.	ppm	AKH	15-JUN-99	180	270.1
			MG	156.	ppm	MDK	07-JUN-99	180	6010
			NA	1519.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	7.9	ppm	JN	25-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	09-JUN-99	180	6020M
			PH	7.7	pH units	DC	12-MAY-99		150.1
			SE (D)	0.17	ppm	KPB	09-JUN-99	180	6020M
			SO4=	2927.	ppm	JN	04-JUN-99	28	9036
			TDS	6255.	ppm	AKH	13-MAY-99	7	160.1
			TSS	16.	ppm	AKH	13-MAY-99		160.2
			ZN (D)	0.022	ppm	KPB	09-JUN-99	180	6020M
L990800-2	06-MAY-99	EPRI-9905-182	AS (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CA	<1	ppm	MDK	07-JUN-99	180	6010
			CD (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	<1	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm	DC	12-MAY-99		310.1
			COND.	<10	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU (D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	<.05	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.1	ppm	MDK	07-JUN-99	180	6010
			HCO3	<1	ppm	DC	12-MAY-99	14	310.1
			K	<5	ppm	AKH	15-JUN-99	180	270.1
			MG	<1	ppm	MDK	07-JUN-99	180	6010
			NA	<5	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	<0.1	ppm	JN	25-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	09-JUN-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990800

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990800-2	06-MAY-99	EPRI-9905-182	PH	5.9	pH units	DC	12-MAY-99		150.1
			SE(D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			SO4=	1.8	ppm	JN	04-JUN-99	28	9036
			TDS	<10	ppm	AKH	13-MAY-99	7	160.1
			TSS	<1	ppm	AKH	13-MAY-99		160.2
			ZN(D)	<.020	ppm	KPB	09-JUN-99	180	6020M
			AS(D)	47.	ppm	MDK	06-JUN-99	180	6010
			CA	395.	ppm	MDK	07-JUN-99	180	6010
			CD(D)	0.47	ppm	MDK	07-JUN-99	180	6010
			CL-	648.	ppm	JN	01-JUN-99	28	325.2
L990800-3	07-MAY-99	EPRI-9905-122	CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	8980.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU(D)	0.089	ppm	KPB	09-JUN-99	180	6020M
			F-	9.2	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.1	ppm	MDK	07-JUN-99	180	6010
			HCO3	694.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	261.	ppm	AKH	15-JUN-99	180	270.1
			MG	226.	ppm	MDK	07-JUN-99	180	6010
			NA	1411.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	3.6	ppm	JN	25-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	09-JUN-99	180	6020M
			PH	7.7	pH units	DC	12-MAY-99		150.1
			SE(D)	0.11	ppm	KPB	09-JUN-99	180	6020M
			SO4=	4217.	ppm	JN	04-JUN-99	28	9036
			TDS	7303.	ppm	AKH	13-MAY-99	7	160.1
			TSS	58.	ppm	AKH	13-MAY-99		160.2
			ZN(D)	8.0	ppm	MDK	07-JUN-99	180	6010
			AS(D)	0.037	ppm	KPB	09-JUN-99	180	6020M
			CA	264.	ppm	MDK	07-JUN-99	180	6010
L990800-4	07-MAY-99	EPRI-9905-140	CD(D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	410.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	6700.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU(D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	2.7	ppm	EBK	02-JUN-99	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990800

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990800-4	07-MAY-99	EPRI-9905-140	FE (D)	<.1	ppm	MDK	07-JUN-99	180	6010
			HCO3	240.	ppm	DC	12-MAY-99	14	310.1
			K	365.	ppm	AKH	15-JUN-99	180	270.1
			MG	122.	ppm	MDK	07-JUN-99	180	6010
			NA	977.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	16.	ppm	JN	25-MAY-99	28	353.2
			PH (D)	<.003	ppm	KPB	09-JUN-99	180	6020M
			PH	7.5	pH units	DC	12-MAY-99	150.1	
			SE (D)	1.0	ppm	KPB	09-JUN-99	180	6020M
			SO4=	3116.	ppm	JN	04-JUN-99	28	9036
			TDS	5284.	ppm	AKH	13-MAY-99	7	160.1
			TSS	7.4	ppm	AKH	13-MAY-99	160.2	
			ZN (D)	0.040	ppm	KPB	09-JUN-99	180	6020M
			AS (D)	0.034	ppm	KPB	09-JUN-99	180	6020M
			CA	263.	ppm	MDK	07-JUN-99	180	6010
			CD (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	430.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm	DC	12-MAY-99	310.1	
			COND.	6700.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU (D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	2.7	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.1	ppm	MDK	07-JUN-99	180	6010
			HCO3	235.	ppm	DC	12-MAY-99	14	310.1
L990800-5	07-MAY-99	EPRI-9905-183	K	382.	ppm	AKH	15-JUN-99	180	270.1
			MG	121.	ppm	MDK	07-JUN-99	180	6010
			NA	1009.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	21.	ppm	JN	25-MAY-99	28	353.2
			PH (D)	<.003	ppm	KPB	09-JUN-99	180	6020M
			PH	7.7	pH units	DC	12-MAY-99	150.1	
			SE (D)	1.0	ppm	KPB	09-JUN-99	180	6020M
			SO4=	3079.	ppm	JN	04-JUN-99	28	9036
			TDS	5239.	ppm	AKH	13-MAY-99	7	160.1
			TSS	6.0	ppm	AKH	13-MAY-99	160.2	
			ZN (D)	0.038	ppm	KPB	09-JUN-99	180	6020M
			AS (D)	1.9	ppm	MDK	06-JUN-99	180	6010
			CA	74.	ppm	MDK	07-JUN-99	180	6010
L990800-6	07-MAY-99	EPRI-9905-111							

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990800

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990800-6	07-MAY-99	EPRI-9905-111	CD (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	330.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm	CaCO3	12-MAY-99		310.1
			COND.	43100.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU (D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	3.8	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	0.26	ppm	MDK	07-JUN-99	180	6010
			HCO3	554.	ppm	DC	12-MAY-99	14	310.1
			K	57.	ppm	MDK	07-JUN-99	180	6010
			MG	44.	ppm	MDK	07-JUN-99	180	6010
			NA	580.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	0.14	ppm	JN	25-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	09-JUN-99	180	6020M
			PH	7.8	pH units	DC	12-MAY-99		150.1
			SE (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			SO4=	901.	ppm	JN	04-JUN-99	28	9036
			TDS	2374.	ppm	AKH	13-MAY-99	7	160.1
			TSS	87.	ppm	AKH	13-MAY-99		160.2
			ZN (D)	0.020	ppm	KPB	09-JUN-99	180	6020M
L990800-7	07-MAY-99	EPRI-9905-154	AS (D)	0.017	ppm	KPB	09-JUN-99	180	6020M
			CA	57.	ppm	MDK	07-JUN-99	180	6010
			CD (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	426.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm	CaCO3	12-MAY-99		310.1
			COND.	5340.	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU (D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	2.2	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.1	ppm	MDK	07-JUN-99	180	6010
			HCO3	469.	ppm	DC	12-MAY-99	14	310.1
			K	10.	ppm	AKH	15-JUN-99	180	270.1
			MG	39.	ppm	MDK	07-JUN-99	180	6010
			NA	1139.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	2.3	ppm	JN	25-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	09-JUN-99	180	6020M
			PH	7.9	pH units	DC	12-MAY-99		150.1
			SE (D)	0.032	ppm	KPB	09-JUN-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990800

LAB NO	DATE COMPLETED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990800-7	07-MAY-99	EPRI-9905-154	SO4=	1677.	ppm	JN	04-JUN-99	28	9036
			TDS	3800.	ppm	AKH	13-MAY-99	7	160.1
			TSS	90.	ppm	AKH	13-MAY-99		160.2
			ZN(D)	0.037	ppm	KPB	09-JUN-99	180	6020M
			AS (D)	7.6	ppm	MDK	06-JUN-99	180	6010
			CA	200.	ppm	MDK	07-JUN-99	180	6010
			CD(D)	0.011	ppm	KPB	09-JUN-99	180	6020M
			CL-	370.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	5350.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU(D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	3.0	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.1	ppm	MDK	07-JUN-99	180	6010
L990800-8	07-MAY-99	EPRI-9905-143	HCO3	273.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	55.	ppm	AKH	07-JUN-99	180	6010
			MG	50.	ppm	MDK	07-JUN-99	180	6010
			NA	940.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	0.32	ppm	JN	25-MAY-99	28	353.2
			PB(D)	0.004	ppm	KPB	09-JUN-99	180	6020M
			PH	7.6	pH units	DC	12-MAY-99		150.1
			SE(D)	0.015	ppm	KPB	09-JUN-99	180	6020M
			SO4=	1790.	ppm	JN	04-JUN-99	28	9036
			TDS	3880.	ppm	AKH	13-MAY-99	7	160.1
			TSS	177.	ppm	AKH	13-MAY-99		160.2
			ZN(D)	0.025	ppm	KPB	09-JUN-99	180	6020M
			AS (D)	0.020	ppm	KPB	09-JUN-99	180	6020M
			CA	438.	ppm	MDK	07-JUN-99	180	6010
L990800-9	07-MAY-99	EPRI-9905-135	CD(D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	324.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	4440.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU(D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	0.80	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<.1	ppm	MDK	07-JUN-99	180	6010
			HCO3	214.	ppm CaCO3	DC	12-MAY-99	14	310.1

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ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990800

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L990800-9	07-MAY-99	EPRI-9905-135	K	33.	ppm	MDK	07-JUN-99	180
			MG	139.	ppm	MDK	07-JUN-99	180
			NA	483.	ppm	AKH	15-JUN-99	180
			NO2/NO3	15.	ppm	JN	25-MAY-99	28
			PB(D)	<.003	ppm	KPB	09-JUN-99	180
			PH	7.3	pH units	DC	12-MAY-99	150.1
			SE(D)	0.11	ppm	KPB	09-JUN-99	180
			SO4=	1959.	ppm	JN	04-JUN-99	28
			TDS	3837.	ppm	AKH	13-MAY-99	7
			TSS	29.	ppm	AKH	13-MAY-99	160.1
			ZN(D)	0.031	ppm	KPB	09-JUN-99	180
								6020M
			AS(D)	0.006	ppm	KPB	09-JUN-99	180
			CA	154.	ppm	MDK	07-JUN-99	180
			CD(D)	<.005	ppm	KPB	09-JUN-99	180
			CL-	294.	ppm	JN	01-JUN-99	28
			CO3	<1	ppm	DC	12-MAY-99	310.1
			COND.	2790.	umhos	AKH	26-MAY-99	28
			CR(D)	<.010	ppm	KPB	09-JUN-99	180
			CU(D)	<.025	ppm	KPB	09-JUN-99	180
L990800-10	07-MAY-99	EPRI-9905-155	F-	0.76	ppm	EBK	02-JUN-99	28
			FE(D)	<.1	ppm	MDK	07-JUN-99	180
			HCO3	216.	ppm	DC	12-MAY-99	14
			K	45.	ppm	MDK	07-JUN-99	180
			MG	63.	ppm	MDK	07-JUN-99	180
			NA	378.	ppm	AKH	15-JUN-99	180
			NO2/NO3	7.1	ppm	JN	25-MAY-99	28
			PB(D)	<.003	ppm	KPB	09-JUN-99	180
			PH	7.8	pH units	DC	12-MAY-99	150.1
			SE(D)	0.016	ppm	KPB	09-JUN-99	180
			SO4=	818.	ppm	JN	04-JUN-99	28
			TDS	1941.	ppm	AKH	13-MAY-99	7
			TSS	3.0	ppm	AKH	13-MAY-99	160.1
			ZN(D)	0.022	ppm	KPB	09-JUN-99	180
								6020M
			AS(D)	0.83	ppm	KPB	09-JUN-99	180
			CA	291.	ppm	MDK	07-JUN-99	180
			CD(D)	0.009	ppm	KPB	09-JUN-99	180
			CL-	546.	ppm	JN	01-JUN-99	28
								325.2
L990800-11	07-MAY-99	EPRI-9905-137						

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990800-11	07-MAY-99	EPRI-9905-137	CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1	
			COND.	6230.	unhos	AKH	26-MAY-99	28	120.1
			CR(D)	<0.10	ppm	KPB	09-JUN-99	180	6020M
			CU(D)	<0.025	ppm	KPB	09-JUN-99	180	6020M
			F-	1.1	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<1	ppm	MDK	07-JUN-99	180	6010
			HCO3	237.	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	50.	ppm	MDK	07-JUN-99	180	6010
			MG	157.	ppm	MDK	07-JUN-99	180	6010
			NA	1009.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	43.	ppm	JN	25-MAY-99	28	353.2
			PB(D)	<0.003	ppm	KPB	09-JUN-99	180	6020M
			PH	7.5	pH units	DC	12-MAY-99	150.1	
			SE(D)	0.19	ppm	KPB	09-JUN-99	180	6020M
			SO4=	2210.	ppm	JN	04-JUN-99	28	9036
			TDS	4827.	ppm	AKH	13-MAY-99	7	160.1
			TSS	3.5	ppm	AKH	13-MAY-99	160.2	
			ZN(D)	0.14	ppm	KPB	09-JUN-99	180	6020M
L990800-12	07-MAY-99	EPRI-9905-184	AS(D)	<0.005	ppm	KPB	09-JUN-99	180	6020M
			CA	<1	ppm	MDK	07-JUN-99	180	6010
			CD(D)	<0.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	<1	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1	
			COND.	<10	unhos	AKH	26-MAY-99	28	120.1
			CR(D)	<0.10	ppm	KPB	09-JUN-99	180	6020M
			CU(D)	<0.025	ppm	KPB	09-JUN-99	180	6020M
			F-	0.058	ppm	EBK	02-JUN-99	28	340.2
			FE(D)	<1	ppm	MDK	07-JUN-99	180	6010
			HCO3	<1	ppm CaCO3	DC	12-MAY-99	14	310.1
			K	<5	ppm	AKH	15-JUN-99	180	270.1
			MG	<1	ppm	MDK	07-JUN-99	180	6010
			NA	<5	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	0.11	ppm	JN	25-MAY-99	28	353.2
			PB(D)	<0.003	ppm	KPB	09-JUN-99	180	6020M
			PH	6.0	pH units	DC	12-MAY-99	150.1	
			SE(D)	<0.005	ppm	KPB	09-JUN-99	180	6020M
			SO4=	1.8	ppm	JN	04-JUN-99	28	9036
			TDS	<10	ppm	AKH	13-MAY-99	7	160.1

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	MOID
L990800-12	07-MAY-99	EPRI-9905-184	TSS	<1	ppm	AKH	13-MAY-99	160.2
			ZN(D)	0.021	ppm	KPB	09-JUN-99	6020M
L990800-13	10-MAY-99	EPRI-9905-141	AS(D)	18	ppm	MDK	08-JUN-99	180
			CA	447.	ppm	MDK	08-JUN-99	180
			CD(D)	0.009	ppm	KPB	09-JUN-99	180
			CL-	277.	ppm	JN	01-JUN-99	28
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1
			COND.	19390.	umhos	AKH	26-MAY-99	28
			CR(D)	<.010	ppm	KPB	09-JUN-99	180
			CU(D)	0.075	ppm	KPB	09-JUN-99	180
			F-	1.8	ppm	EBK	02-JUN-99	28
			FE(D)	1.2	ppm	MDK	07-JUN-99	180
			HCO3	530.	ppm CaCO3	DC	12-MAY-99	14
			K	682.	ppm	AKH	15-JUN-99	180
			MG	472.	ppm	MDK	08-JUN-99	180
			NA	4325.	ppm	AKH	15-JUN-99	180
			NO2/NO3	160.	ppm	JN	25-MAY-99	28
			PB(D)	<.003	ppm	KPB	09-JUN-99	180
			PH	7.6	pH units	DC	12-MAY-99	150.1
			SE(D)	4.0	ppm	MDK	08-JUN-99	180
			SO4=	11378.	ppm	JN	04-JUN-99	28
			TDS	18775.	ppm	AKH	13-MAY-99	7
			TSS	102.	ppm	AKH	13-MAY-99	160.2
			ZN(D)	0.062	ppm	KPB	09-JUN-99	180
L990800-14	10-MAY-99	EPRI-9905-142	AS(D)	1.7	ppm	MDK	08-JUN-99	180
			CA	187.	ppm	MDK	08-JUN-99	180
			CD(D)	<.005	ppm	KPB	09-JUN-99	180
			CL-	455.	ppm	JN	01-JUN-99	28
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1
			COND.	5490.	umhos	AKH	26-MAY-99	28
			CR(D)	<.010	ppm	KPB	09-JUN-99	180
			CU(D)	<.025	ppm	KPB	09-JUN-99	180
			F-	2.1	ppm	EBK	02-JUN-99	28
			FE(D)	0.56	ppm	MDK	07-JUN-99	180
			HCO3	398.	ppm CaCO3	DC	12-MAY-99	14
			K	113.	ppm	AKH	15-JUN-99	180
			MG	112.	ppm	MDK	08-JUN-99	180

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CAR NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID
L990800-14	10-MAY-99	EPRI-9905-142	NA	922.	ppm	AKH	15-JUN-99	180
			NO2/NO3	4.5	ppm	JN	25-MAY-99	28
			PB(D)	0.004	ppm	KPB	09-JUN-99	180
			PH	7.6	pH units	DC	12-MAY-99	150.1
			SE(D)	0.26	ppm	KPB	09-JUN-99	180
			SO4=	1852.	ppm	JN	04-JUN-99	28
			TDS	4026.	ppm	AKH	13-MAY-99	7
			TSS	2.3	ppm	AKH	13-MAY-99	160.2
			ZN(D)	0.057	ppm	KPB	09-JUN-99	180
								6020M
L990800-15	10-MAY-99	EPRI-9905-171	AS(D)	2.2	ppm	MDK	08-JUN-99	180
			CA	111.	ppm	MDK	08-JUN-99	180
			CD(D)	0.009	ppm	KPB	09-JUN-99	180
			CL-	410.	ppm	JN	01-JUN-99	28
			CO3	<1	ppm	DC	12-MAY-99	310.1
			COND.	3700.	umhos	AKH	26-MAY-99	28
			CR(D)	<.010	ppm	KPB	09-JUN-99	180
			CU(D)	<.025	ppm	KPB	09-JUN-99	180
			F-	5.8	ppm	EBK	02-JUN-99	28
			FE(D)	1.5	ppm	MDK	08-JUN-99	180
			HCO3	112.	ppm	DC	12-MAY-99	14
			K	31	ppm	MDK	08-JUN-99	180
			MG	27.	ppm	MDK	08-JUN-99	180
			NA	692.	ppm	MDK	08-JUN-99	180
			NO2/NO3	<0.1	ppm	AKH	15-JUN-99	180
			PB(D)	0.003	ppm	JN	25-MAY-99	28
			PH	7.7	pH units	KPB	09-JUN-99	180
			SE(D)	<.005	ppm	DC	12-MAY-99	150.1
			SO4=	1111.	ppm	KPB	09-JUN-99	180
			TDS	2554.	ppm	JN	04-JUN-99	28
			TSS	5.0	ppm	AKH	13-MAY-99	7
			ZN(D)	0.10	ppm	AKH	13-MAY-99	160.2
						KPB	09-JUN-99	180
								6020M
L990800-16	10-MAY-99	EPRI-9905-172	AS(D)	0.025	ppm	KPB	09-JUN-99	180
			CA	112.	ppm	MDK	08-JUN-99	180
			CD(D)	0.007	ppm	KPB	09-JUN-99	180
			CL-	318.	ppm	JN	01-JUN-99	28
			CO3	<1	ppm	DC	12-MAY-99	310.1
			COND.	3810.	umhos	AKH	26-MAY-99	28
								120.1

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L990800-16	10-MAY-99	EPRI-9905-172	CR (D)	<.010	ppm	KPB	09-JUN-99	180
			CO (D)	0.052	ppm	KPB	09-JUN-99	180
			F-	1.8	ppm	EBK	02-JUN-99	28
			FE (D)	<.1	ppm	MDK	08-JUN-99	180
			HCO3	288.	ppm	DC	12-MAY-99	14
			K	16.	ppm	CaCO3	15-JUN-99	180
			MG	70.	ppm	MDK	08-JUN-99	180
			NA	716.	ppm	AKH	15-JUN-99	180
			NO2/NO3	5.3	ppm	MDK	08-JUN-99	180
			PH	7.7	ppm	AKH	15-JUN-99	180
			SE (D)	0.005	ppm	JN	25-MAY-99	28
			SO4=	989.	ppm	KPB	09-JUN-99	180
			TDS	2682.	ppm	DC	12-MAY-99	150.1
			TSS	2.5	ppm	KPB	09-JUN-99	180
			ZN (D)	0.099	ppm	DC	12-MAY-99	150.1
					ph units	KPB	09-JUN-99	180
					ppm	JN	04-JUN-99	28
					ppm	AKH	13-MAY-99	7
					ppm	AKH	13-MAY-99	160.2
					ppm	KPB	09-JUN-99	180
L990800-17	10-MAY-99	EPRI-9905-156	AS (D)	0.13	ppm	KPB	09-JUN-99	180
			CA	184.	ppm	MDK	08-JUN-99	180
			CD (D)	<.005	ppm	KPB	09-JUN-99	180
			CL-	377.	ppm	JN	01-JUN-99	28
			CO3	<.1	ppm	DC	12-MAY-99	310.1
			COND.	4090.	umhos	AKH	26-MAY-99	28
			CR (D)	<.010	ppm	KPB	09-JUN-99	180
			CU (D)	<.025	ppm	KPB	09-JUN-99	180
			F-	0.58	ppm	EBK	02-JUN-99	28
			FE (D)	<.1	ppm	MDK	08-JUN-99	180
			HCO3	230.	ppm	DC	12-MAY-99	14
			K	13.	ppm	AKH	15-JUN-99	180
			MG	100.	ppm	MDK	08-JUN-99	180
			NA	665.	ppm	AKH	15-JUN-99	180
			NO2/NO3	32.	ppm	JN	03-JUN-99	28
			PH	<.003	ppm	KPB	09-JUN-99	180
			SE (D)	7.7	ph units	DC	12-MAY-99	150.1
			SO4=	0.86	ppm	KPB	09-JUN-99	180
			TDS	1202.	ppm	JN	04-JUN-99	28
			TSS	3026.	ppm	AKH	13-MAY-99	7
			ZN (D)	21.	ppm	AKH	13-MAY-99	160.2
				0.038	ppm	KPB	09-JUN-99	180

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD DAYS	METHOD
							ANALYZED	RECEIVED		
L990800-18	10-MAY-99	EPRI-9905-169	AS (D)	0.95	ppm	KPB	09-JUN-99	180	6020M	
			CA	362.	ppm	MDK	08-JUN-99	180	6010	
			CD (D)	<.005	ppm	KPB	09-JUN-99	180	6020M	
			CL-	405.	ppm	JN	01-JUN-99	28	325.2	
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1		
			COND.	6050.	umhos	AKH	26-MAY-99	28	120.1	
			CR (D)	<.010	ppm	KPB	09-JUN-99	180	6020M	
			CU (D)	<.025	ppm	KPB	09-JUN-99	180	6020M	
			F-	1.3	ppm	EBK	02-JUN-99	28	340.2	
			FE (D)	<.1	ppm	MDK	08-JUN-99	180	6010	
			HCO3	280.	ppm CaCO3	DC	12-MAY-99	14	310.1	
			K	26.	ppm	AKH	15-JUN-99	180	270.1	
			MG	146.	ppm	MDK	08-JUN-99	180	6010	
			NA	971.	ppm	AKH	15-JUN-99	180	273.1	
			NO2/NO3	99.	ppm	JN	03-JUN-99	28	353.2	
			PB (D)	<.003	ppm	KPB	09-JUN-99	180	6020M	
			PH	7.4	pH units	DC	12-MAY-99	150.1		
			SE (D)	0.11	ppm	KPB	09-JUN-99	180	6020M	
			SO4=	2124.	ppm	JN	04-JUN-99	28	9036	
			TDS	4816.	ppm	AKH	13-MAY-99	7	160.1	
			TSS	19.	ppm	AKH	13-MAY-99	160.2		
			ZN (D)	0.033	ppm	KPB	09-JUN-99	180	6020M	
L990800-19	10-MAY-99	EPRI-9905-170	AS (D)	<.005	ppm	KPB	09-JUN-99	180	6020M	
			CA	425.	ppm	MDK	08-JUN-99	180	6010	
			CD (D)	<.005	ppm	KPB	09-JUN-99	180	6020M	
			CL-	3348.	ppm	JN	01-JUN-99	28	325.2	
			CO3	<1	ppm CaCO3	DC	12-MAY-99	310.1		
			COND.	10270.	umhos	AKH	26-MAY-99	28	120.1	
			CR (D)	<.010	ppm	KPB	09-JUN-99	180	6020M	
			CU (D)	<.025	ppm	KPB	09-JUN-99	180	6020M	
			F-	1.3	ppm	EBK	02-JUN-99	28	340.2	
			FE (D)	<.1	ppm	MDK	08-JUN-99	180	6010	
			HCO3	117.	ppm CaCO3	DC	12-MAY-99	14	310.1	
			K	40.	ppm	AKH	15-JUN-99	180	270.1	
			MG	198.	ppm	MDK	08-JUN-99	180	6010	
			NA	1487.	ppm	AKH	15-JUN-99	180	273.1	
			NO2/NO3	0.43	ppm	JN	25-MAY-99	28	353.2	
			PB (D)	<.003	ppm	KPB	09-JUN-99	180	6020M	

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LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990800-19	10-MAY-99	EPRI-9905-170	PH	7.6	pH units	DC	12-MAY-99	150.1	
			SE(D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			SO4=	411.	ppm	JN	04-JUN-99	28	9036
			TDS	6081.	ppm	AKH	13-MAY-99	7	160.1
			TSS	3.6	ppm	AKH	13-MAY-99		160.2
			ZN(D)	0.031	ppm	KPB	09-JUN-99	180	6020M
			AS(D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CA	425.	ppm	MDK	08-JUN-99	180	6010
			CD(D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	2718.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	10270.	umhos	AKH	26-MAY-99	28	120.1
L990800-20	10-MAY-99	EPRI-9905-185	CR(D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU(D)	<.025	ppm	EBK	02-JUN-99	28	340.2
			F-	1.3	ppm	MDK	08-JUN-99	180	6010
			FE(D)	<.1	ppm CaCO3	DC	12-MAY-99	14	310.1
			HCO3	126.	ppm	AKH	15-JUN-99	180	270.1
			K	40.	ppm	MDK	08-JUN-99	180	6010
			MG	199.	ppm	AKH	15-JUN-99	180	273.1
			NA	1526.	ppm	JN	25-MAY-99	28	353.2
			NO2/NO3	0.35	ppm	KPB	09-JUN-99	180	6020M
			PB(D)	<.003	ppm	DC	12-MAY-99		150.1
			PH	7.7	pH units	KPB	09-JUN-99	180	6020M
			SE(D)	<.005	ppm	JN	04-JUN-99	28	9036
			SO4=	446.	ppm	AKH	13-MAY-99	7	160.1
			TDS	6091.	ppm	AKH	13-MAY-99		160.2
			TSS	5.0	ppm	KPB	09-JUN-99	180	6020M
			ZN(D)	0.035	ppm	KPB	09-JUN-99	180	6020M
			AS(D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CA	193.	ppm	MDK	08-JUN-99	180	6010
			CD(D)	<.005	ppm	KPB	09-JUN-99	180	6020M
L990800-21	10-MAY-99	EPRI-9905-136	CL-	407.	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm CaCO3	DC	12-MAY-99		310.1
			COND.	4030.	umhos	AKH	26-MAY-99	28	120.1
			CR(D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU(D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	0.74	ppm	EBK	02-JUN-99	28	340.2

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L990800-21	10-MAY-99	EPRI-9905-136	FE (D)	<.1	ppm	MDK	08-JUN-99	180	6010
			HCO3	220.	ppm	DC	12-MAY-99	14	310.1
			K	16.	ppm	AKH	15-JUN-99	180	270.1
			MG	88.	ppm	MDK	08-JUN-99	180	6010
			NA	580.	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	42.	ppm	JN	03-JUN-99	28	353.2
			PH (D)	<.003	ppm	KPB	09-JUN-99	180	6020M
			PH	7.6	pH units	DC	12-MAY-99	150.1	
			SE (D)	0.17	ppm	KPB	09-JUN-99	180	6020M
			SO4=	1064.	ppm	JN	04-JUN-99	28	9036
			TDS	2940.	ppm	AKH	13-MAY-99	7	160.1
			TSS	38.	ppm	AKH	13-MAY-99		160.2
			ZN (D)	0.030	ppm	KPB	09-JUN-99	180	6020M
L990800-22	10-MAY-99	EPRI-9905-187	AS (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CA	<1	ppm	MDK	08-JUN-99	180	6010
			CD (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			CL-	<1	ppm	JN	01-JUN-99	28	325.2
			CO3	<1	ppm	DC	12-MAY-99		310.1
			COND.	<10	umhos	AKH	26-MAY-99	28	120.1
			CR (D)	<.010	ppm	KPB	09-JUN-99	180	6020M
			CU (D)	<.025	ppm	KPB	09-JUN-99	180	6020M
			F-	0.068	ppm	EBK	02-JUN-99	28	340.2
			FE (D)	<.1	ppm	MDK	08-JUN-99	180	6010
			HCO3	<1	ppm	DC	12-MAY-99	14	310.1
			K	<5	ppm	AKH	15-JUN-99	180	270.1
			MG	<1	ppm	MDK	08-JUN-99	180	6010
			NA	<5	ppm	AKH	15-JUN-99	180	273.1
			NO2/NO3	<0.1	ppm	JN	25-MAY-99	28	353.2
			PH (D)	<.003	ppm	KPB	09-JUN-99	180	6020M
			PH	6.1	pH units	DC	12-MAY-99		150.1
			SE (D)	<.005	ppm	KPB	09-JUN-99	180	6020M
			SO4=	<1	ppm	JN	04-JUN-99	28	9036
			TDS	<10	ppm	AKH	13-MAY-99	7	160.1
			TSS	<1	ppm	AKH	13-MAY-99		160.2
			ZN (D)	0.026	ppm	KPB	09-JUN-99	180	6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT



El Paso

Water and Solid Waste (Project 3220)

Batch No: L990800

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
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S04= holding time exceeded by (1) one day.


 Approved

 Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990451

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990451-1		Matrix Spike	AS (D)	88	% RECOVERY	KPB	09-JUN-99		6020M
			CD (D)	94	% RECOVERY	KPB	09-JUN-99		6020M
			CL-	102	% RECOVERY	JN	01-JUN-99		325.2
			CR (D)	105	% RECOVERY	KPB	09-JUN-99		6020M
			CU (D)	84	% RECOVERY	KPB	09-JUN-99		6020M
			F-	80	% RECOVERY	EBK	02-JUN-99		340.2
			FE (D)	106	% RECOVERY	MDK	07-JUN-99		6010
			NO2/NO3	125	% RECOVERY	JN	25-MAY-99		353.2
			PB (D)	99	% RECOVERY	KPB	09-JUN-99		6020M
			SE (D)	91	% RECOVERY	KPB	09-JUN-99		6020M
			SO4=	104	% RECOVERY	JN	04-JUN-99		9036
			ZN (D)	74	% RECOVERY	KPB	09-JUN-99		6020M
			AS (D)	<.005	ppm	KPB	09-JUN-99		6020M
			CA	<1	ppm	MDK	07-JUN-99		6010
			CD (D)	<.005	ppm	KPB	09-JUN-99		6020M
			CL-	<1	ppm	JN	01-JUN-99		325.2
			CO3	<1	ppm	CaCO3	DC	12-MAY-99	310.1
			COND.	<10	umhos	AKH	26-MAY-99		120.1
			CR (D)	<.010	ppm	KPB	09-JUN-99		6020M
			CU (D)	<.025	ppm	KPB	09-JUN-99		6020M
WG990451-2		Prep Blank	F-	<.05	ppm	EBK	02-JUN-99		340.2
			FE (D)	<.1	ppm	MDK	07-JUN-99		6010
			HCO3	<1	ppm	CaCO3	DC	12-MAY-99	310.1
			K	<5	ppm	AKH	15-JUN-99		270.1
			MG	<1	ppm	MDK	07-JUN-99		6010
			NA	<5	ppm	AKH	15-JUN-99		273.1
			NO2/NO3	<.1	ppm	JN	25-MAY-99		353.2
			PB (D)	<.003	ppm	KPB	09-JUN-99		6020M
			PH	5.1	PH units	DC	12-MAY-99		150.1
			SE (D)	<.005	ppm	KPB	09-JUN-99		6020M
			SO4=	<1	ppm	JN	04-JUN-99		9036
			TDS	<10	ppm	AKH	13-MAY-99		160.1
			TSS	<1	ppm	AKH	13-MAY-99		160.2
			ZN (D)	<.020	ppm	KPB	09-JUN-99		6020M
			AS (D)	100	% RECOVERY	KPB	09-JUN-99		6020M
			CA	108	% RECOVERY	MDK	07-JUN-99		6010
			CD (D)	101	% RECOVERY	KPB	09-JUN-99		6020M
WG990451-3		Laboratory Control	AS (D)	100	% RECOVERY	KPB	09-JUN-99		6020M
			CA	108	% RECOVERY	MDK	07-JUN-99		6010
			CD (D)	101	% RECOVERY	KPB	09-JUN-99		6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990451-3		Laboratory Control	CL-	100	% RECOVERY	JN	01-JUN-99	325.2	
			COND.	101	% RECOVERY	AKH	26-MAY-99	120.1	
			CR (D)	104	% RECOVERY	KPB	09-JUN-99	6020M	
			CU (D)	102	% RECOVERY	KPB	09-JUN-99	6020M	
			F-	97	% RECOVERY	EBK	02-JUN-99	340.2	
			FE (D)	102	% RECOVERY	MDK	07-JUN-99	6010	
			HCO3	94	% RECOVERY	DC	12-MAY-99	310.1	
			K	107	% RECOVERY	AKH	15-JUN-99	270.1	
			MG	103	% RECOVERY	MDK	07-JUN-99	6010	
			NA	111	% RECOVERY	AKH	15-JUN-99	273.1	
			NO2/NO3	97	% RECOVERY	JN	25-MAY-99	353.2	
			PE (D)	104	% RECOVERY	KPB	09-JUN-99	6020M	
			PH	99	% RECOVERY	DC	12-MAY-99	150.1	
			SE (D)	98	% RECOVERY	KPB	09-JUN-99	6020M	
			SO4=	98	% RECOVERY	JN	04-JUN-99	9036	
			TDS	99	% RECOVERY	AKH	13-MAY-99	160.1	
			TSS	102	% RECOVERY	AKH	13-MAY-99	160.2	
			ZN (D)	102	% RECOVERY	KPB	09-JUN-99	6020M	
			AS (D)	5.7	% RPD	KPB	09-JUN-99	6020M	
			CA	<1	% RPD	MDK	07-JUN-99	6010	
WG990451-4		Duplicate	CD (D)	<1	% RPD	KPB	09-JUN-99	6020M	
			CL-	5.4	% RPD	JN	01-JUN-99	325.2	
			CO3	<1	% RPD	DC	12-MAY-99	310.1	
			COND.	<1	% RPD	AKH	26-MAY-99	120.1	
			CR (D)	<1	% RPD	KPB	09-JUN-99	6020M	
			CU (D)	<1	% RPD	KPB	09-JUN-99	6020M	
			F-	<1	% RPD	EBK	02-JUN-99	340.2	
			FE (D)	<1	% RPD	MDK	07-JUN-99	6010	
			HCO3	<1	% RPD	DC	12-MAY-99	310.1	
			K	<1	% RPD	AKH	15-JUN-99	270.1	
			MG	2.2	% RPD	MDK	07-JUN-99	6010	
			NA	3.0	% RPD	AKH	15-JUN-99	273.1	
			NO2/NO3	1.4	% RPD	JN	25-MAY-99	353.2	
			PH (D)	<1	% RPD	KPB	09-JUN-99	6020M	
			PH	<1	% RPD	DC	12-MAY-99	150.1	
			SE (D)	6.1	% RPD	KPB	09-JUN-99	6020M	
			SO4=	1.0	% RPD	JN	04-JUN-99	9036	
			TDS	<1	% RPD	AKH	13-MAY-99	160.1	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990451-4		Duplicate	TSS	<1	% RPD	AKH	13-MAY-99	160.2	
			ZN(D)	13.	% RPD	KPB	09-JUN-99	6020M	
WG990451-5		Practical Quantitation Limit	AS(D)	0.005	ppm			6020M	
			CA	1.0	ppm			6010	
			CD(D)	0.005	ppm			6020M	
			CL-	1.0	ppm			325.2	
			CO3	1.0	ppm	CaCO3		310.1	
			COND.	10.	umhos			120.1	
			CR(D)	0.010	ppm			6020M	
			CU(D)	0.025	ppm			6020M	
			F-	0.05	ppm			340.2	
			FE(D)	0.1	ppm			6010	
			HCO3	1.0	ppm	CaCO3		310.1	
			K	5.0	ppm			270.1	
			MG	1.0	ppm			6010	
			NA	5.0	ppm			273.1	
			NO2/NO3	0.10	ppm			353.2	
			PB(D)	0.003	ppm			6020M	
			SE(D)	0.005	ppm			6020M	
			SO4=	1.0	ppm			9036	
			TDS	10.	ppm			160.1	
			TSS	1.0	ppm			160.2	
			ZN(D)	0.020	ppm			6020M	
WG990451-6		Matrix Spike	AS(D)	99	% RECOVERY	KPB	09-JUN-99	6020M	
			CD(D)	93	% RECOVERY	KPB	09-JUN-99	6020M	
			CL-	110	% RECOVERY	JN	01-JUN-99	325.2	
			CR(D)	107	% RECOVERY	KPB	09-JUN-99	6020M	
			CU(D)	86	% RECOVERY	KPB	09-JUN-99	6020M	
			F-	102	% RECOVERY	EBK	02-JUN-99	340.2	
			FE(D)	104	% RECOVERY	MDK	08-JUN-99	6010	
			NO2/NO3	99	% RECOVERY	JN	25-MAY-99	353.2	
			PB(D)	99	% RECOVERY	KPB	09-JUN-99	6020M	
			SE(D)	93	% RECOVERY	KPB	09-JUN-99	6020M	
			SO4=	81	% RECOVERY	JN	04-JUN-99	9036	
			ZN(D)	78	% RECOVERY	KPB	09-JUN-99	6020M	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	BOB
WG990451-7		Prep Blank	AS (D)	<.005	ppm	KPB	09-JUN-99	6020M
			CA	<1	ppm	MDK	08-JUN-99	6010
			CD (D)	<.005	ppm	KPB	09-JUN-99	6020M
			CL-	<1	ppm	JN	01-JUN-99	325.2
			CO3	<1	ppm	DC	12-MAY-99	310.1
			COND.	<10	umhos		26-MAY-99	120.1
			CR (D)	<.010	ppm	KPB	09-JUN-99	6020M
			CU (D)	<.025	ppm	KPB	09-JUN-99	6020M
			F-	<.05	ppm	EBK	02-JUN-99	340.2
			FE (D)	<.1	ppm	MDK	08-JUN-99	6010
			HCO3	<1	ppm	DC	12-MAY-99	310.1
			K	<5	ppm	AKH	15-JUN-99	270.1
			MG	<1	ppm	MDK	08-JUN-99	6010
			NA	<5	ppm	AKH	15-JUN-99	273.1
			NO2/NO3	<0.1	ppm	JN	25-MAY-99	353.2
			PB (D)	<.003	ppm	KPB	09-JUN-99	6020M
			PH	5.2	pH units	DC	12-MAY-99	150.1
			SE (D)	<.005	ppm	KPB	09-JUN-99	6020M
			SO4=	<1	ppm	JN	04-JUN-99	9036
			TDS	<10	ppm	AKH	13-MAY-99	160.1
			TSS	<1	ppm	AKH	13-MAY-99	160.2
			ZN (D)	<.020	ppm	KPB	09-JUN-99	6020M
WG990451-8		Laboratory Control	AS (D)	101	% RECOVERY	KPB	09-JUN-99	6020M
			CA	110	% RECOVERY	MDK	08-JUN-99	6010
			CD (D)	102	% RECOVERY	KPB	09-JUN-99	6020M
			CL-	98	% RECOVERY	JN	01-JUN-99	325.2
			COND.	101	% RECOVERY	AKH	26-MAY-99	120.1
			CR (D)	108	% RECOVERY	KPB	09-JUN-99	6020M
			CU (D)	101	% RECOVERY	KPB	09-JUN-99	6020M
			F-	97	% RECOVERY	EBK	02-JUN-99	340.2
			FE (D)	109	% RECOVERY	MDK	08-JUN-99	6010
			HCO3	97	% RECOVERY	DC	12-MAY-99	310.1
			K	99	% RECOVERY	AKH	15-JUN-99	270.1
			MG	109	% RECOVERY	MDK	08-JUN-99	6010
			NA	107	% RECOVERY	AKH	15-JUN-99	273.1
			NO2/NO3	95	% RECOVERY	JN	25-MAY-99	353.2
			PB (D)	109	% RECOVERY	KPB	09-JUN-99	6020M
			PH	99	% RECOVERY	DC	12-MAY-99	150.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990451-8		Laboratory Control	SE(D)	101	% RECOVERY	KPB	09-JUN-99		6020M
			SO4=	107	% RECOVERY	JN	04-JUN-99		9036
			TDS	102	% RECOVERY	AKH	13-MAY-99		160.1
			TSS	101	% RECOVERY	AKH	13-MAY-99		160.2
			ZN(D)	106	% RECOVERY	KPB	09-JUN-99		6020M
WG990451-9		Duplicate	AS(D)	<1	% RPD	KPB	09-JUN-99		6020M
			CA	5.6	% RPD	MDK	08-JUN-99		6010
			CD(D)	<1	% RPD	KPB	09-JUN-99		6020M
			CL-	4.5	% RPD	JN	01-JUN-99		325.2
			CO3	<1	% RPD	DC	12-MAY-99		310.1
			COND.	<1	% RPD	AKH	26-MAY-99		120.1
			CR(D)	<1	% RPD	KPB	09-JUN-99		6020M
			CU(D)	<1	% RPD	KPB	09-JUN-99		6020M
			F-	1.3	% RPD	EBK	02-JUN-99		340.2
			FE(D)	<1	% RPD	MDK	08-JUN-99		6010
			HCO3	<1	% RPD	DC	12-MAY-99		310.1
			K	<1	% RPD	AKH	15-JUN-99		270.1
			MG	6.8	% RPD	MDK	08-JUN-99		6010
			NA	2.0	% RPD	AKH	15-JUN-99		273.1
			NO2/NO3	8.2	% RPD	JN	25-MAY-99		353.2
			PB(D)	<1	% RPD	KPB	09-JUN-99		6020M
			PH	<1	% RPD	DC	12-MAY-99		150.1
			SE(D)	<1	% RPD	KPB	09-JUN-99		6020M
			SO4=	9.2	% RPD	JN	04-JUN-99		9036
			TDS	<1	% RPD	AKH	13-MAY-99		160.1
			TSS	<1	% RPD	AKH	13-MAY-99		160.2
			ZN(D)	11.	% RPD	KPB	09-JUN-99		6020M
WG990451-10		Practical Quantitation Limit	AS(D)	0.005	ppm				6020M
			CA	1.0	ppm				6010
			CD(D)	0.005	ppm				6020M
			CL-	1.0	ppm				325.2
			CO3	1.0	ppm CaCO3				310.1
			COND.	10.	umhos				120.1
			CR(D)	0.010	ppm				6020M
			CU(D)	0.025	ppm				6020M
			F-	0.05	ppm				340.2
			FE(D)	0.1	ppm				6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

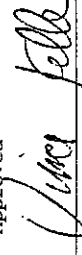
Water and Solid Waste (Project 3220)

Batch No: WG990451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD	TEST METHOD
WG990451-10		Practical Quantitation Limit							
			HCO3	1.0	ppm CaCO3				310.1
			K	5.0	ppm				270.1
			MG	1.0	ppm				6010
			NA	5.0	ppm				273.1
			NO2/NO3	0.10	ppm				353.2
			PB(D)	0.003	ppm				6020M
			SE(D)	0.005	ppm				6020M
			SO4=	1.0	ppm				9036
			TDS	10.	ppm				160.1
			TSS	1.0	ppm				160.2
			ZN(D)	0.020	ppm				6020M



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		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		
5-6-99	1420			5	3	X	X	X	X	X			R	
	1450				3	X	X	X	X	X			R	
	1530				3	X	X	X	X	X			R	
	1600				3	X	X	X	X	X			R	
	1605				3	X	X	X	X	X				
	1625				3	X	X	X	X	X			R	
	1700				3	X	X	X	X	X			R	
	1715				3	X	X	X	X	X				
5-7-99	830				3	X	X	X	X	X				
	915				3	X	X	X	X	X				
	920				3	X	X	X	X	X				
	1000				3	X	X	X	X	X				
	1020				3	X	X	X	X	X				
	1050				3	X	X	X	X	X				
	1345				3	X	X	X	X	X				

RELINQUISHED (Signature)	DATE/TIME	RECEIVED BY: (Signature)	LAB	P.O. #	SHIPPED VIA: BUS <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS
<i>[Signature]</i>	5/10/99 14:20		TSC		Other
RELINQUISHED (Signature)	DATE/TIME	RECEIVED BY: (Signature)	REMARKS	AIR BILL #	
			SALT LAKE CITY, UT		

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
		<i>[Signature]</i>	5-11-99 9:45	

INSTRUCTIONS

CHAIN OF CUSTODY RECORD

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

(915) 544-3150 • FAX (520) 544-3190

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		ANALYSIS										REMARKS	
0931-		ASARCO - EL PASO, TX		3													
SAMPLERS: (Signature)																	
Douglas M. Soler																	
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				
5-7-99	1410			EPRI-9905-155	3	X	X	X									
↓	1515			EPRI-9905-137	3	X	X	X									
↓	1600			EPRI-9905-184	3	X	X	X									
5-10-99	855			EPRI-9905-141	3	X	X	X									
↓	930			EPRI-9905-142	3	X	X	X									
↓	1020			EPRI-9905-171	3	X	X	X									
↓	1040			EPRI-9905-172	3	X	X	X									
↓	1300			EPRI-9905-156	3	X	X	X									
↓	1345			EPRI-9905-169	3	X	X	X									
↓	1415			EPRI-9905-170	3	X	X	X									
↓	1420			EPRI-9905-185	3	X	X	X									
↓	1505			EPRI-9905-136	3	X	X	X									
↓	1600			EPRI-9905-187	3	X	X	X									
						Lab		P.O. #		Shipped via: Bus, Fed Ex, UPS							
						SAITLAKE City, UT				Other		Air Bill #					
Relinquished (Signature)						Received by: (Signature)		Date/Time		Remarks							
5/10/99 16:10						16:10				5/11/99 9:45							
Relinquished (Signature)						Received by: (Signature)		Date/Time		Enclosed:							
5/11/99 9:45						9:45				<input checked="" type="checkbox"/> Parameter sheet w/detection limits <input type="checkbox"/> QA/QC standard mixing instructions <input type="checkbox"/> Other							
Relinquished (Signature)						Received by: (Signature)		Date/Time		Split Samples:							
5/11/99 9:45						9:45				<input type="checkbox"/> Accepted <input type="checkbox"/> Declined							

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990819-1	11-MAY-99	EPRI-9905-146	AS(D)	.015	ppm	KPB	07-JUN-99	180	6020
			CA	202	ppm	MDK	25-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	385	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1	
			COND.	5170	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	1.3	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	26-MAY-99	180	6010
			HCO3	410	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	21	ppm	MDK	26-MAY-99	180	6010
			MG	96	ppm	MDK	26-MAY-99	180	6010
			NA	900	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	5.6	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	7.9	pH	EBK	27-MAY-99	150.1	
			SE(D)	.039	ppm	KPB	07-JUN-99	180	6020
			SO4=	1686	ppm	JHN	04-JUN-99	28	9036
			TDS	3976	ppm	VPK	18-MAY-99	7	160.1
			TSS	20	ppm	BD	18-MAY-99	160.2	
			ZN(D)	.022	ppm	KPB	07-JUN-99	180	6020
L990819-2	11-MAY-99	EPRI-9905-147	AS(D)	.24	ppm	KPB	07-JUN-99	180	6020
			CA	159	ppm	MDK	25-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	79	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1	
			COND.	2530	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	1.3	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	26-MAY-99	180	6010
			HCO3	424	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	15	ppm	MDK	26-MAY-99	180	6010
			MG	92	ppm	MDK	26-MAY-99	180	6010
			NA	330	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	9.5	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020

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El Paso

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Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990819-2	11-MAY-99	EPRI-9905-147	PH	7.8		EBK	27-MAY-99	150.1	
			SE(D)	.24	ppm	KPB	07-JUN-99	180	6020
			SO4=	823	ppm	JHN	04-JUN-99	28	9036
			TDS	1955	ppm	VPK	18-MAY-99	7	160.1
			TSS	14	ppm	BD	18-MAY-99		160.2
			ZN(D)	.071	ppm	KPB	07-JUN-99	180	6020
			AS(D)	2.9	ppm	MDK	26-MAY-99	180	6010
			CA	107	ppm	MDK	25-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	230	ppm	JHN	01-JUN-99	28	325.2
L990819-3	11-MAY-99	EPRI-9905-151	CO3	<1.0	ppm	CaCO3	27-MAY-99	310.1	
			COND.	3070	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	3.4	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	26-MAY-99	180	6010
			HCO3	292	ppm	CaCO3	27-MAY-99	14	310.1
			K	34	ppm	MDK	26-MAY-99	180	6010
			MG	57	ppm	MDK	26-MAY-99	180	6010
			NA	540	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	6.8	ppm	JHN	26-MAY-99	28	353.2
			PA(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	8.0	pH	EBK	27-MAY-99		150.1
			SE(D)	.17	ppm	KPB	07-JUN-99	180	6020
			SO4=	949	ppm	JHN	04-JUN-99	28	9036
			TDS	2061	ppm	VPK	18-MAY-99	7	160.1
			TSS	<1.0	ppm	BD	18-MAY-99		160.2
			ZN(D)	<.020	ppm	KPB	07-JUN-99	180	6020
L990819-4	11-MAY-99	EPRI-9905-152	AS(D)	.007	ppm	KPB	07-JUN-99	180	6020
			CA	42	ppm	MDK	25-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	224	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm	CaCO3	27-MAY-99		310.1
			COND.	2570	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	2.6	ppm	EBK	03-JUN-99	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID DAYS METHOD
L990819-4	11-MAY-99	EPRI-9905-152	FE(D)	<.10				
			HCO3	290	ppm	MDK	26-MAY-99	180 6010
			K	8.8	ppm	CaCO3	27-MAY-99	14 310.1
			MG	33	ppm	MDK	26-MAY-99	180 6010
			NA	520	ppm	MDK	26-MAY-99	180 6010
			NO2/NO3	5.6	ppm	VPK	10-JUN-99	180 273.1
			PB(D)	<.003	ppm	JHN	26-MAY-99	28 353.2
			PH	8.2	ppm	KPB	07-JUN-99	180 6020
			SE(D)	.031	PH	EBK	27-MAY-99	150.1
			SO4=	622	ppm	KPB	07-JUN-99	180 6020
			TDS	1689	ppm	JHN	04-JUN-99	28 9036
			TSS	12	ppm	VPK	18-MAY-99	7 160.1
			ZN(D)	.025	ppm	BD	18-MAY-99	7 160.2
					ppm	KPB	07-JUN-99	180 6020
L990819-5	11-MAY-99	EPRI-9905-145	AS(D)	.026	ppm	KPB	07-JUN-99	180 6020
			CA	54	ppm	MDK	25-MAY-99	180 6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180 6020
			CL-	453	ppm	JHN	01-JUN-99	28 325.2
			CO3	<1.0	ppm	EBK	27-MAY-99	310.1
			COND.	4900	umhos/cm	VPK	10-JUN-99	28 120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180 6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180 6020
			F-	4.6	ppm	EBK	03-JUN-99	28 340.2
			FE(D)	<.10	ppm	MDK	26-MAY-99	180 6010
			HCO3	366	ppm	EBK	27-MAY-99	14 310.1
			K	10	ppm	MDK	26-MAY-99	180 6010
			MG	71	ppm	MDK	26-MAY-99	180 6010
			NA	1050	ppm	VPK	10-JUN-99	180 273.1
			NO2/NO3	9.2	ppm	JHN	26-MAY-99	28 353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180 6020
			PH	8.2	ppm	EBK	27-MAY-99	150.1
			SE(D)	.14	ppm	KPB	07-JUN-99	180 6020
			SO4=	1477	ppm	JHN	04-JUN-99	28 9036
			TDS	3447	ppm	VPK	18-MAY-99	7 160.1
			TSS	80	ppm	BD	18-MAY-99	7 160.2
			ZN(D)	.024	ppm	KPB	07-JUN-99	180 6020
L990819-6	11-MAY-99	EPRI-9905-144	AS(D)	5.5	ppm	MDK	26-MAY-99	180 6010
			CA	76	ppm	MDK	25-MAY-99	180 6010

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Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	ANALYZED	DATE	FIELD
L990819-6	11-MAY-99	EPRI-9905-144	CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	317	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	3750	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	2.6	ppm	EEK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			HCO3	242	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	71	ppm	MDK	26-MAY-99	180	6010
			MG	43	ppm	MDK	26-MAY-99	180	6010
			NA	600	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	9.8	ppm	JHN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	7.3	pH	EEK	27-MAY-99		150.1
			SE (D)	.22	ppm	KPB	07-JUN-99	180	6020
			SO4=	1042	ppm	JHN	04-JUN-99	28	9036
			TDS	2549	ppm	VPK	18-MAY-99	7	160.1
			TSS	14	ppm	ID	18-MAY-99		160.2
			ZN (D)	.026	ppm	KPB	07-JUN-99	180	6020
L990819-7	11-MAY-99	EPRI-9905-186	AS (D)	5.9	ppm	MDK	26-MAY-99	180	6010
			CA	76	ppm	MDK	25-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	320	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EEK	27-MAY-99		310.1
			COND.	3740	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	9.2	ppm	EEK	04-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			HCO3	243	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	74	ppm	MDK	26-MAY-99	180	6010
			MG	44	ppm	MDK	26-MAY-99	180	6010
			NA	600	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	9.1	ppm	JHN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	7.5	pH	EEK	27-MAY-99		150.1
			SE (D)	.22	ppm	KPB	07-JUN-99	180	6020

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El Paso

Water and Solid Waste (Project 3220)

Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FOLD	DATE METHOD
L990819-7	11-MAY-99	EPRI-9905-186	SO4=	1079	ppm	JHN	04-JUN-99	28	9036
			TDS	2558	ppm	VPK	18-MAY-99	7	180.1
			TSS	16	ppm	BD	18-MAY-99		150.2
			ZN(D)	.028	ppm	KPB	07-JUN-99	180	6020
L990819-8	11-MAY-99	EPRI-9905-148	AS(D)	.010	ppm	KPB	07-JUN-99	180	6020
			CA	144	ppm	MDK	25-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	520	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	4870	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	3.0	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	27-MAY-99	180	6010
			HCO3	326	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	33	ppm	MDK	27-MAY-99	180	6010
			MG	86	ppm	MDK	27-MAY-99	180	6010
			NA	850	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	10	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	7.8	PH	EBK	27-MAY-99		150.1
			SE(D)	.18	ppm	KPB	07-JUN-99	180	6020
			SO4=	1050	ppm	JHN	04-JUN-99	28	9036
			TDS	3576	ppm	VPK	18-MAY-99	7	160.1
			TSS	13	ppm	BD	18-MAY-99		160.2
			ZN(D)	.058	ppm	KPB	07-JUN-99	180	6020
L990819-9	11-MAY-99	EPRI-9905-150	AS(D)	.024	ppm	KPB	07-JUN-99	180	6020
			CA	220	ppm	MDK	27-MAY-99	180	6010
			CD(D)	.006	ppm	KPB	07-JUN-99	180	6020
			CL-	329	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	3030	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	.70	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	27-MAY-99	180	6010
			HCO3	248	ppm CaCO3	EBK	27-MAY-99	14	310.1

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Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FOLD	FAIS METHOD
L990819-9	11-MAY-99	EPRI-9905-150	K	12	ppm	MDK	27-MAY-99	180	6010
			MG	117	ppm	MDK	27-MAY-99	180	6010
			NA	370	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	9.4	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	.013	ppm	KPB	07-JUN-99	180	6020
			PH	7.9	pH	EBK	27-MAY-99		150.1
			SE(D)	.024	ppm	KPB	07-JUN-99	180	6020
			SO4=	838	ppm	JHN	04-JUN-99	28	9036
			TDS	2174	ppm	VPK	18-MAY-99	7	160.1
			TSS	3.5	ppm	BD	18-MAY-99		160.2
			ZN(D)	.044	ppm	KPB	07-JUN-99	180	6020
			AS(D)	.005	ppm	KPB	07-JUN-99	180	6020
			CA	76	ppm	MDK	27-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	205	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm	CaCO3	27-MAY-99		310.1
L990819-10	11-MAY-99	EPRI-9905-149	COND.	3710	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	3.0	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	27-MAY-99	180	6010
			HCO3	296	ppm	EBK	27-MAY-99	14	310.1
			K	13	ppm	MDK	27-MAY-99	180	6010
			MG	75	ppm	MDK	27-MAY-99	180	6010
			NA	550	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	8.2	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	8.0	pH	EBK	27-MAY-99		150.1
			SE(D)	.045	ppm	KPB	07-JUN-99	180	6020
			SO4=	1156	ppm	JHN	04-JUN-99	28	9036
			TDS	2525	ppm	VPK	18-MAY-99	7	160.1
			TSS	9.4	ppm	BD	18-MAY-99		160.2
			ZN(D)	.026	ppm	KPB	07-JUN-99	180	6020
			AS(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CA	<1.0	ppm	MDK	27-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	<1.0	ppm	JHN	01-JUN-99	28	325.2
L990819-11	11-MAY-99	EPRI-9905-188							

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Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990819-11	11-MAY-99	EPRI-9905-188	CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1	
		COND.	<5	umhos/cm	VPK		10-JUN-99	28	120.1
		CR (D)	<.010	ppm	KPB		07-JUN-99	180	6020
		CU (D)	<.025	ppm	KPB		07-JUN-99	180	6020
		F-	<.05	ppm	EBK		03-JUN-99	28	340.2
		FE (D)	<.10	ppm	MDK		27-MAY-99	180	6010
		HCO3	<1.0	ppm CaCO3	EBK		27-MAY-99	14	310.1
		K	<5.0	ppm	MDK		27-MAY-99	180	6010
		MG	<1.0	ppm	MDK		27-MAY-99	180	6010
		NA	<5	ppm	VPK		10-JUN-99	180	273.1
		NO2/NO3	<.10	ppm	JHN		26-MAY-99	28	353.2
		PB (D)	<.003	ppm	KPB		07-JUN-99	180	6020
		PH	5.7	ph	ESK		27-MAY-99	150.1	
		SE (D)	<.005	ppm	KPB		07-JUN-99	180	6020
		SO4=	1.6	ppm	JHN		04-JUN-99	28	9036
		TDS	<10	ppm	VPK		18-MAY-99	7	160.1
		TSS	<1.0	ppm	BD		18-MAY-99		160.2
		ZN (D)	<.020	ppm	KPB		07-JUN-99	180	6020
L990819-12	12-MAY-99	EPRI-9905-174	AS (D)	.082	ppm	KPB	07-JUN-99	180	6020
		AS (TR)	.27	ppm	KPB		14-JUN-99	180	6020
		CA	548	ppm	MDK		27-MAY-99	180	6010
		CD (D)	19	ppm	MDK		27-MAY-99	180	6010
		CD (TR)	16	ppm	KPB		14-JUN-99	180	6020
		CL-	292	ppm	JHN		01-JUN-99	28	325.2
		CO3	<1.0	ppm CaCO3	EBK		27-MAY-99	310.1	
		COND.	34600	umhos/cm	VPK		10-JUN-99	28	120.1
		CR (D)	<.010	ppm	KPB		07-JUN-99	180	6020
		CR (TR)	<.010	ppm	KPB		14-JUN-99		6020
		CU (D)	.41	ppm	KPB		07-JUN-99	180	6020
		CU (TR)	.92	ppm	KPB		14-JUN-99	180	6020
		F-	12	ppm	EBK		03-JUN-99	28	340.2
		FE (D)	<.10	ppm	MDK		27-MAY-99	180	6010
		FE (TR)	.41	ppm	VPK		14-JUN-99	180	236.1
		HCO3	130	ppm CaCO3	EBK		27-MAY-99	14	310.1
		K	460	ppm	VPK		11-JUN-99	180	258.1
		MG	198	ppm	MDK		27-MAY-99	180	6010
		NA	10500	ppm	VPK		10-JUN-99	180	273.1
		NO2/NO3	88	ppm	JHN		03-JUN-99	28	353.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FOUR DAYS METHOD
L990819-12	12-MAY-99	EPRI-9905-174	PB (D)	.049	ppm	KPB	07-JUN-99	180 6020
			PB (TR)	.35	ppm	KPB	14-JUN-99	180 6020
			PH	7.9	pH	EBK	27-MAY-99	150.1
			SE (D)	1.4	ppm	KPB	07-JUN-99	180 6020
			SE (TR)	1.3	ppm	KPB	14-JUN-99	6020
			SO4=	20254	ppm	JHN	04-JUN-99	28 9036
			TDS	34222	ppm	VPK	18-MAY-99	7 160.1
			TSS	69	ppm	BD	18-MAY-99	160.2
			ZN (D)	33.	ppm	MDK	27-MAY-99	180 6010
			ZN (TR)	20	ppm	KPB	14-JUN-99	180 6020
			AS (D)	.90	ppm	KPB	07-JUN-99	180 6020
			AS (TR)	.83	ppm	KPB	14-JUN-99	180 6020
			CA	115	ppm	MDK	27-MAY-99	180 6010
			CD (D)	.064	ppm	KPB	07-JUN-99	180 6020
			CD (TR)	.074	ppm	KPB	14-JUN-99	180 6020
L990819-13	12-MAY-99	EPRI-9905-176	CL-	278	ppm	JHN	01-JUN-99	28 325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1
			COND.	2450	umhos/cm	VPK	10-JUN-99	28 120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180 6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99	180 6020
			CU (D)	.18	ppm	KPB	07-JUN-99	180 6020
			CU (TR)	.35	ppm	EBK	03-JUN-99	28 340.2
			F-	2.2	ppm	MDK	27-MAY-99	180 6010
			FE (D)	<.10	ppm	VPK	14-JUN-99	180 236.1
			FE (TR)	.29	ppm CaCO3	EBK	27-MAY-99	14 310.1
			HCO3	118	ppm	MDK	27-MAY-99	180 6010
			K	20	ppm	MDK	27-MAY-99	180 6010
			MG	23	ppm	VPK	10-JUN-99	180 273.1
			NA	420	ppm	JHN	26-MAY-99	28 353.2
			NO2/NO3	<.10	ppm	KPB	07-JUN-99	180 6020
			PB (D)	.054	ppm	KPB	14-JUN-99	180 6020
			PB (TR)	.16	ppm	KPB	14-JUN-99	180 6020
			PH	4.1	pH	EBK	27-MAY-99	150.1
			SE (D)	.034	ppm	KPB	07-JUN-99	180 6020
			SE (TR)	.025	ppm	KPB	14-JUN-99	6020
			SO4=	691	ppm	JHN	04-JUN-99	28 9036
			TDS	1632	ppm	VPK	18-MAY-99	7 160.1
			TSS	23	ppm	BD	18-MAY-99	160.2

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	METHOD
L990819-13	12-MAY-99	EPRI-9905-176	ZN(D)	.12	ppm	KPB	07-JUN-99	180	6020
			ZN(TR)	.33	ppm	KPB	14-JUN-99	180	6020
			AS(D)	2.4	ppm	MDK	27-MAY-99	180	6010
			CA	147	ppm	MDK	27-MAY-99	180	6010
			CD(D)	.005	ppm	KPB	07-JUN-99	180	6020
			CL-	241	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1	
			COND.	4540	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	6.8	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	.27	ppm	MDK	27-MAY-99	180	6010
			HCO3	202	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	49	ppm	MDK	27-MAY-99	180	6010
			MG	34	ppm	MDK	27-MAY-99	180	6010
			NA	850	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	<.10	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	.011	ppm	KPB	07-JUN-99	180	6020
			PH	7.4	pH	EBK	27-MAY-99	150.1	
			SE(D)	.006	ppm	KPB	07-JUN-99	180	6020
			SO4=	1419	ppm	JHN	04-JUN-99	28	9036
			TDS	3133	ppm	VPK	18-MAY-99	7	160.1
			TSS	347	ppm	ED	18-MAY-99	160.2	
			ZN(D)	.039	ppm	KPB	07-JUN-99	180	6020
			AS(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CA	226	ppm	MDK	27-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	358	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1	
			COND.	5670	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	.82	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	.10	ppm	MDK	27-MAY-99	180	6010
			HCO3	182	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	46	ppm	MDK	27-MAY-99	180	6010
			MG	158	ppm	MDK	27-MAY-99	180	6010

L990819-15 12-MAY-99 EPRI-9905-168

ASARCO TECHNICAL SERVICES CENTER

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID DAYS	METHOD
L990819-15	12-MAY-99	EPRI-9905-168	NA	950	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	<.10	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	7.9	pH	EBK	27-MAY-99		150.1
			SE(D)	.008	ppm	KPB	07-JUN-99	180	6020
			SO4=	1880	ppm	JHN	04-JUN-99	28	9036
			TDS	4225	ppm	VPK	18-MAY-99	7	160.1
			TSS	6.9	ppm	BD	18-MAY-99		160.2
			ZN(D)	.029	ppm	KPB	07-JUN-99	180	6020
			AS(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CA	<1.0	ppm	MDK	27-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	<1.0	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
L990819-16	12-MAY-99	EPRI-9905-189	COND.	<5	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	.05	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	27-MAY-99	180	6010
			HCO3	<1.0	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	<5.0	ppm	MDK	27-MAY-99	180	6010
			MG	<1.0	ppm	MDK	27-MAY-99	180	6010
			NA	<5	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	.10	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	6.0	pH	EBK	27-MAY-99		150.1
			SE(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			SO4=	1.2	ppm	JHN	04-JUN-99	28	9036
L990819-17	12-MAY-99	EPRI-9905-161	TDS	<10	ppm	VPK	18-MAY-99	7	160.1
			TSS	<1.0	ppm	BD	18-MAY-99		160.2
			ZN(D)	<.020	ppm	KPB	07-JUN-99	180	6020
			AS(D)	.005	ppm	KPB	07-JUN-99	180	6020
			AS(Tr)	.011	ppm	KPB	14-JUN-99	180	6020
			CA	77	ppm	MDK	27-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CD(Tr)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	567	ppm	JHN	01-JUN-99	28	325.2

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Batch No: L990819

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990819-17	12-MAY-99	EPRI-9905-161	CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	1158	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99		6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	.70	ppm	EBK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	27-MAY-99	180	6010
			FE (TR)	1.7	ppm	VPK	14-JUN-99	180	236.1
			HCO3	.230	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	10	ppm	MDK	27-MAY-99	180	6010
			MG	20	ppm	MDK	27-MAY-99	180	6010
			NA	140	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	.13	ppm	JHN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB (TR)	.009	ppm	KPB	14-JUN-99	180	6020
			PH	8.3	PH	EBK	27-MAY-99		150.1
			SE (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			SE (TR)	<.005	ppm	KPB	14-JUN-99		6020
			SO4=	207	ppm	JHN	04-JUN-99	28	9036
			TDS	698	ppm	VPK	18-MAY-99	7	160.1
			TSS	93	ppm	BD	18-MAY-99		160.2
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN (TR)	.032	ppm	KPB	14-JUN-99	180	6020

NOTES: 1) PH IS A FIELD PARAMETER AND THE HOLDING TIME
IS EXCEEDED 2) HOLDING TIME WAS EXCEEDED FOR HCO3 AND CO3
3) TR DIGESTION BY EPA 3005

[Signature]
Approved

[Signature]
Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990532

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE
WG990532-1		Matrix Spike	AS (D)	91	% RECOVERY	KPB	07-JUN-99	6020
			AS (TR)	100	% RECOVERY	KPB	14-JUN-99	6020
			CD (D)	97	% RECOVERY	KPB	07-JUN-99	6020
			CD (TR)	98	% RECOVERY	KPB	14-JUN-99	6020
			CL-	106	% RECOVERY	JHN	01-JUN-99	325.2
			CR (D)	91	% RECOVERY	KPB	07-JUN-99	6020
			CR (TR)	105	% RECOVERY	KPB	14-JUN-99	6020
			CU (D)	90	% RECOVERY	KPB	07-JUN-99	6020
			CU (TR)	103	% RECOVERY	KPB	14-JUN-99	6020
			F-	105	% RECOVERY	EBK	03-JUN-99	340.2
			FE (D)	115	% RECOVERY	MDK	26-MAY-99	6010
			FE (TR)	105	% RECOVERY	VPK	14-JUN-99	236.1
			NO2/NO3	103	% RECOVERY	JHN	26-MAY-99	353.2
			PB (D)	98	% RECOVERY	KPB	07-JUN-99	6020
			PB (TR)	102	% RECOVERY	KPB	14-JUN-99	6020
			SE (D)	98	% RECOVERY	KPB	07-JUN-99	6020
			SE (TR)	81	% RECOVERY	KPB	14-JUN-99	6020
			SO4=	81	% RECOVERY	JHN	04-JUN-99	9036
			ZN (D)	97	% RECOVERY	KPB	07-JUN-99	6020
			ZN (TR)	88	% RECOVERY	KPB	14-JUN-99	6020
WG990532-2		Prep Blank	AS (D)	<.005	ppm	KPB	07-JUN-99	6020
			AS (TR)	<.005	ppm	KPB	14-JUN-99	6020
			CA	<1.0	ppm	MDK	27-MAY-99	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	6020
			CD (TR)	<.005	ppm	KPB	14-JUN-99	6020
			CL-	<1.0	ppm	JHN	01-JUN-99	325.2
			CO3	<1.0	ppm	CaCO3	EBK	310.1
			COND.	<5	unhos/cm	VPK	10-JUN-99	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99	6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99	6020
			F-	<.05	ppm	EBK	03-JUN-99	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	6010
			FE (TR)	<.10	ppm	VPK	14-JUN-99	236.1
			HCO3	<1.0	ppm	CaCO3	EBK	310.1
			K	<5.0	ppm	MDK	26-MAY-99	6010
			MG	<1.0	ppm	MDK	26-MAY-99	6010

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WG990532-2		Prep Blank	NA	<5.0	ppm	VPK	10-JUN-99		273.1
			NO2/NO3	<.10	ppm	JHN	26-MAY-99		353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99		6020
			PB(TR)	<.003	ppm	KPB	14-JUN-99		6020
			SE(D)	<.005	ppm	KPB	07-JUN-99		6020
			SE(TR)	<.005	ppm	KPB	14-JUN-99		6020
			SO4=	<1.0	ppm	JHN	04-JUN-99		9036
			TDS	<1.0	ppm	VPK	19-MAY-99		160.1
			TSS	<1.0	ppm	BD			160.2
			ZN(D)	<.020	ppm	KPB	07-JUN-99		6020
			ZN(TR)	<.020	ppm	KPB	14-JUN-99		6020
WG990532-3		Laboratory Control	AS(D)	97	% RECOVERY	KPB	07-JUN-99		6020
			AS(TR)	98	% RECOVERY	KPB	14-JUN-99		6020
			CA	102	% RECOVERY	MDK	27-MAY-99		6010
			CD(D)	100	% RECOVERY	KPB	07-JUN-99		6020
			CD(TR)	97	% RECOVERY	KPB	14-JUN-99		6020
			CL	100	% RECOVERY	JHN	01-JUN-99		325.2
			COND.	102	% RECOVERY	VPK	10-JUN-99		120.1
			CR(D)	95	% RECOVERY	KPB	07-JUN-99		6020
			CR(TR)	105	% RECOVERY	KPB	14-JUN-99		6020
			CU(D)	97	% RECOVERY	KPB	07-JUN-99		6020
			CU(TR)	97	% RECOVERY	KPB	14-JUN-99		6020
			F-	97	% RECOVERY	KPB	03-JUN-99		340.2
			FE(D)	102	% RECOVERY	EBK	26-MAY-99		6010
			FE(TR)	105	% RECOVERY	MDK	14-JUN-99		236.1
			HCO3	95	% RECOVERY	EBK	27-MAY-99		310.1
			K	90	% RECOVERY	MDK	26-MAY-99		6010
			MG	105	% RECOVERY	MDK	26-MAY-99		6010
			NA	100	% RECOVERY	VPK	10-JUN-99		273.1
			NO2/NO3	102	% RECOVERY	JHN	26-MAY-99		353.2
			PB(D)	97	% RECOVERY	KPB	07-JUN-99		6020
			PB(TR)	105	% RECOVERY	KPB	14-JUN-99		6020
			PH	98	% RECOVERY	EBK	27-MAY-99		150.1
			SE(D)	103	% RECOVERY	KPB	07-JUN-99		6020
			SE(TR)	86	% RECOVERY	KPB	14-JUN-99		6020
			SO4=	107	% RECOVERY	JHN	04-JUN-99		9036
			TDS	91	% RECOVERY	VPK	19-MAY-99		160.1
			ZN(D)	97	% RECOVERY	KPB	07-JUN-99		6020

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FIELD DATA METHOD
WG990532-3		Laboratory Control						
WG990532-4		Duplicate						
			ZN (TR)	98	% RECOVERY	KPB	14-JUN-99	6020
			AS (D)	<1	% RPD	KPB	07-JUN-99	6020
			AS (TR)	+/- PQL	% RPD	KPB	14-JUN-99	6020
			CA	<1	% RPD	MDK	27-MAY-99	6010
			CD (D)	<1	% RPD	KPB	07-JUN-99	6020
			CD (TR)	<1	% RPD	KPB	14-JUN-99	6020
			CL-	<1	% RPD	JHN	01-JUN-99	325.2
			COND.	<1	% RPD	VPK	10-JUN-99	120.1
			CR (D)	<1	% RPD	KPB	07-JUN-99	6020
			CR (TR)	<1	% RPD	KPB	14-JUN-99	6020
			CU (D)	<1	% RPD	KPB	07-JUN-99	6020
			CU (TR)	<1	% RPD	KPB	14-JUN-99	6020
			F-	<1	% RPD	EBK	03-JUN-99	340.2
			FE (D)	<1	% RPD	MDK	26-MAY-99	6010
			FE (TR)	6	% RPD	VPK	14-JUN-99	236.1
			HCO3	1	% RPD	EBK	27-MAY-99	310.1
			K	<1	% RPD	MDK	26-MAY-99	6010
			MG	2	% RPD	MDK	26-MAY-99	6010
			NA	<1	% RPD	VPK	10-JUN-99	273.1
			NO2/NO3	5	% RPD	JHN	26-MAY-99	353.2
			PB (D)	<1	% RPD	KPB	07-JUN-99	6020
			PB (TR)	+/- PQL	% RPD	KPB	14-JUN-99	6020
			PH	1	% RPD	EBK	27-MAY-99	150.1
			SE (D)	<1	% RPD	KPB	07-JUN-99	6020
			SE (TR)	<1	% RPD	KPB	14-JUN-99	6020
			SO4=	1	% RPD	JHN	04-JUN-99	9036
			TDS	4	% RPD	VPK	19-MAY-99	160.1
			ZN (D)	1	% RPD	KPB	07-JUN-99	6020
			ZN (TR)	+/- PQL	% RPD	KPB	14-JUN-99	6020
			AS (D)	.005	ppm			6020
			CA	1.0	ppm			6010
			CD (D)	.005	ppm			6020
			CL-	1.0	ppm			325.2
			COND.	5	umhos/cm			120.1
			CR (D)	.010	ppm			6020
			CU (D)	.025	ppm			6020
			F-	.05	ppm			340.2
WG990532-5		Detection Limit						

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Batch No: WG990532

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	MOID
WG990532-5		Detection Limit	FE (D)	.10	ppm	CaCO3		6010
			HCO3	1.0	ppm			310.1
			K	5	ppm			6010
			MG	1.0	ppm			6010
			NA	5.0	ppm			273.1
			NO2/NO3	.10	ppm			353.2
			PB (D)	.003	ppm			6020
			SE (D)	.005	ppm			6020
			SO4=	1.0	ppm			9036
			TDS	10	ppm			160.1
			ZN (D)	.020	ppm			6020
WG990532-6		Matrix Spike	AS (D)	121	% RECOVERY	MDK	27-MAY-99	6010
WG990532-7		Prep Blank	AS (D)	<.10	ppm	MDK	27-MAY-99	6010
WG990532-8		Laboratory Control	AS (D)	102	% RECOVERY	MDK	27-MAY-99	6010
WG990532-9		Duplicate	AS (D)	<1	% RPD	MDK	27-MAY-99	6010

[Signature]
Approved

[Signature]
Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	NO. DAYS METHOD
L990820-1	12-MAY-99	EPRI-9905-157	AS(D)	.005	ppm	KPB	07-JUN-99	180
			AS(TR)	.007	ppm	KPB	14-JUN-99	180
			CA	73	ppm	MDK	26-MAY-99	180
			CD(D)	<.005	ppm	KPB	07-JUN-99	180
			CD(TR)	<.005	ppm	KPB	14-JUN-99	180
			CL-	92	ppm	JHN	01-JUN-99	28
			CO3	8.0	ppm	EBK	27-MAY-99	310.1
			COND.	1172	umhos/cm	VPK	10-JUN-99	28
			CR(D)	<.010	ppm	KPB	07-JUN-99	180
			CR(TR)	<.010	ppm	KPB	14-JUN-99	180
			CU(D)	<.025	ppm	KPB	07-JUN-99	180
			CU(TR)	<.025	ppm	KPB	14-JUN-99	180
			F-	.72	ppm	EBK	03-JUN-99	28
			FE(D)	<.10	ppm	MDK	26-MAY-99	180
			FE(TR)	1.6	ppm	VPK	14-JUN-99	180
			HCO3	156	ppm	EBK	27-MAY-99	14
			K	7.6	ppm	MDK	26-MAY-99	180
			MG	18	ppm	MDK	26-MAY-99	180
			NA	140	ppm	VPK	10-JUN-99	180
			NO2/NO3	.14	ppm	JHN	26-MAY-99	28
			PB(D)	<.003	ppm	KPB	07-JUN-99	180
			PB(TR)	.003	ppm	KPB	14-JUN-99	180
			PH	8.0	pH	EBK	27-MAY-99	150.1
			SE(D)	<.005	ppm	KPB	07-JUN-99	180
			SE(TR)	<.005	ppm	KPB	14-JUN-99	180
			SO4=	216	ppm	JHN	04-JUN-99	28
			TDS	746	ppm	VPK	19-MAY-99	7
			TSS	76	ppm	BD	19-MAY-99	160.1
L990820-2	12-MAY-99	EPRI-9905-159	ZN(D)	<.020	ppm	KPB	07-JUN-99	180
			ZN(TR)	<.020	ppm	KPB	14-JUN-99	180
			AS(D)	.005	ppm	KPB	07-JUN-99	180
			AS(TR)	.005	ppm	KPB	14-JUN-99	180
			CA	73	ppm	MDK	26-MAY-99	180
			CD(D)	<.005	ppm	KPB	07-JUN-99	180
			CD(TR)	<.005	ppm	KPB	14-JUN-99	180
			CL-	98	ppm	JHN	01-JUN-99	28
			CO3	8.0	ppm	EBK	27-MAY-99	310.1
			COND.	1168	umhos/cm	VPK	10-JUN-99	28
								120.1

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Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990820-2	12-MAY-99	EPRI-9905-159	CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99		6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	.73	ppm	EBK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			FE (TR)	1.6	ppm	VPK	14-JUN-99	180	236.1
			HCO3	184	ppm	EBK	27-MAY-99	14	310.1
			K	7.5	ppm	MDK	26-MAY-99	180	6010
			MG	18	ppm	MDK	26-MAY-99	180	6010
			NA	140.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	.38	ppm	JHN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB (TR)	<.003	ppm	KPB	14-JUN-99	180	6020
			PH	9.4	pH	EBK	27-MAY-99		150.1
			SE (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			SE (TR)	<.005	ppm	KPB	14-JUN-99		6020
			SO4=	232	ppm	JHN	04-JUN-99	28	9036
			TDS	746	ppm	VPK	19-MAY-99	7	160.1
			TSS	83	ppm	BD	19-MAY-99		160.2
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	180	6020
L990820-3	12-MAY-99	EPRI-9905-190	AS (D)	.005	ppm	KPB	07-JUN-99	180	6020
			AS (TR)	.005	ppm	KPB	14-JUN-99	180	6020
			CA	74	ppm	MDK	26-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CD (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	101	ppm	JHN	01-JUN-99	28	325.2
			CO3	8.0	ppm	EBK	27-MAY-99		310.1
			COND.	1175	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99		6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	.70	ppm	EBK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			FE (TR)	1.4	ppm	VPK	14-JUN-99	180	236.1
			HCO3	186	ppm	EBK	27-MAY-99	14	310.1
					ppm	CaCO3			
					ppm				
					ppm				

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Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990820-3	12-MAY-99	EPRI-9905-190	K	7.6	ppm	MDK	26-MAY-99	180	6010
			MG	19	ppm	MDK	26-MAY-99	180	6010
			NA	140.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	1.0	ppm	JEN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB (TR)	<.003	ppm	KPB	14-JUN-99	180	6020
			PH	9.5	pH	EBK	27-MAY-99	150.1	
			SE (P)	<.005	ppm	KPB	07-JUN-99	180	6020
			SE (TR)	<.005	ppm	KPB	14-JUN-99	6020	
			SO4=	230	ppm	JEN	04-JUN-99	28	9036
			TDS	709	ppm	VPK	19-MAY-99	7	160.1
			TSS	90	ppm	BD	19-MAY-99	160.2	
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	180	6020
			AS (D)	.005	ppm	KPB	07-JUN-99	180	6020
			AS (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CA	74	ppm	MDK	26-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CD (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	97	ppm	JEN	01-JUN-99	28	325.2
L990820-4	12-MAY-99	EPRI-9905-162	CO3	8.0	ppm	EBK	27-MAY-99	310.1	
			COND.	1156	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99	6020	
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	.72	ppm	EBK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			FE (TR)	1.6	ppm	VPK	14-JUN-99	180	236.1
			HCO3	186	ppm	EBK	27-MAY-99	14	310.1
			K	6.6	ppm	MDK	26-MAY-99	180	6010
			MG	19	ppm	MDK	26-MAY-99	180	6010
			NA	140.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	<.10	ppm	JEN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB (TR)	.004	ppm	KPB	14-JUN-99	180	6020
			PH	8.4	pH	EBK	27-MAY-99	150.1	
			SE (D)	<.005	ppm	KPB	07-JUN-99	180	6020

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Batch No: 1990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
1990820-4	12-MAY-99	EPRI-9905-162	SE (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			SO4=	221	ppm	JHN	04-JUN-99	28	9036
			TDS	639	ppm	VPK	19-MAY-99	7	160.1
			TSS	70	ppm	BD	19-MAY-99		160.2
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	180	6020
			AS (D)	.005	ppm	KPB	07-JUN-99	180	6020
			AS (TR)	.006	ppm	KPB	14-JUN-99	180	6020
			CA	76	ppm	MDK	26-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
1990820-5	13-MAY-99	EPRI-9905-160	CD (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	97	ppm	JHN	01-JUN-99	28	325.2
			CO3	12	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	1194	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99		6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU (TR)	<.025	ppm	EBK	14-JUN-99	180	6020
			F-	.70	ppm	MDK	26-MAY-99	180	6010
			FE (D)	<.10	ppm	VPK	14-JUN-99	180	236.1
			FE (TR)	1.3	ppm	EBK	27-MAY-99	14	310.1
			HCO3	188	ppm CaCO3	MDK	26-MAY-99	180	6010
			K	7.1	ppm	MDK	26-MAY-99	180	6010
			MG	20	ppm	VPK	10-JUN-99	180	273.1
			NA	140.	ppm	JHN	26-MAY-99	28	353.2
			NO2/NO3	<.10	ppm	KPB	07-JUN-99	180	6020
			PB (D)	<.003	ppm	KPB	14-JUN-99	180	6020
			PB (TR)	.003	ppm	EBK	27-MAY-99		150.1
			PH	8.5	ppm	KPB	07-JUN-99	180	6020
			SE (D)	<.005	ppm	KPB	14-JUN-99		6020
			SE (TR)	<.005	ppm	KPB	04-JUN-99	28	9036
			SO4=	239	ppm	VPK	19-MAY-99	7	160.1
			TDS	776	ppm	BD	19-MAY-99		160.2
			TSS	55	ppm	KPB	07-JUN-99	180	6020
			ZN (D)	<.020	ppm	KPB	14-JUN-99	180	6020
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	180	6020

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Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L990820-6	13-MAY-99	EPRI-9905-166	AS (D)	.005	ppm	KPB	07-JUN-99	180
			AS (TR)	.005	ppm	KPB	14-JUN-99	180
			CA	75	ppm	MDK	26-MAY-99	180
			CD (D)	<.005	ppm	KPB	07-JUN-99	180
			CD (TR)	<.005	ppm	KPB	14-JUN-99	180
			CL-	99	ppm	JHN	01-JUN-99	28
			CO3	12	ppm	EBK	27-MAY-99	310.1
			COND.	1182	umhos/cm	VPK	10-JUN-99	28
			CR (D)	<.010	ppm	KPB	07-JUN-99	180
			CR (TR)	<.010	ppm	KPB	14-JUN-99	180
			CU (D)	<.025	ppm	KPB	07-JUN-99	180
			CU (TR)	<.025	ppm	KPB	14-JUN-99	180
			F-	.60	ppm	EBK	03-JUN-99	28
			FE (D)	<.10	ppm	MDK	26-MAY-99	180
			FE (TR)	1.2	ppm	VPK	14-JUN-99	180
			HCO3	204	ppm	EBK	27-MAY-99	14
			K	7.8	ppm	MDK	26-MAY-99	180
			MG	19	ppm	MDK	26-MAY-99	180
			NA	140.	ppm	VPK	10-JUN-99	180
			NO2/NO3	<.10	ppm	JHN	26-MAY-99	28
			PB (D)	<.003	ppm	KPB	07-JUN-99	180
			PB (TR)	<.003	ppm	KPB	14-JUN-99	180
			PH	8.6	pH	EBK	27-MAY-99	150.1
			SE (D)	<.005	ppm	KPB	07-JUN-99	180
			SE (TR)	<.005	ppm	KPB	14-JUN-99	180
			SO4=	217	ppm	JHN	04-JUN-99	28
			TDS	735	ppm	VPK	19-MAY-99	7
			TSS	55	ppm	BD	19-MAY-99	160.2
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	180
L990820-7	13-MAY-99	EPRI-9905-165	AS (D)	.005	ppm	KPB	07-JUN-99	180
			AS (TR)	.005	ppm	KPB	14-JUN-99	180
			CA	76	ppm	MDK	26-MAY-99	180
			CD (D)	<.005	ppm	KPB	07-JUN-99	180
			CD (TR)	<.005	ppm	KPB	14-JUN-99	180
			CL-	97	ppm	JHN	01-JUN-99	28
			CO3	2.0	ppm	EBK	27-MAY-99	310.1
			COND.	1166	umhos/cm	VPK	10-JUN-99	28

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Batch No: L990820

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990820-7	13-MAY-99	EPRI-9905-165	CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99	180	6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	.69	ppm	EBK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			FE (TR)	.99	ppm	VPK	14-JUN-99	180	236.1
			HCO3	196	ppm	EBK	27-MAY-99	14	310.1
			K	7.5	ppm	MDK	26-MAY-99	180	6010
			MG	20	ppm	MDK	26-MAY-99	180	6010
			NA	145.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	.16	ppm	JHN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB (TR)	.003	ppm	KPB	14-JUN-99	180	6020
			PH	8.4	pH	EBK	27-MAY-99	150.1	
			SE (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			SE (TR)	<.005	ppm	KPB	14-JUN-99	6020	
			SO4=	220	ppm	JHN	04-JUN-99	28	9036
			TDS	735	ppm	VPK	19-MAY-99	7	160.1
			TSS	57	ppm	BD	19-MAY-99	160.2	
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	180	6020
L990820-8	13-MAY-99	EPRI-9905-158	AS (D)	.005	ppm	KPB	07-JUN-99	180	6020
			AS (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CA	77	ppm	MDK	26-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CD (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	95	ppm	JHN	01-JUN-99	28	325.2
			CO3	8.0	ppm	CaCO3	27-MAY-99	310.1	
			COND.	1179	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99	180	6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	.72	ppm	EBK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			FE (TR)	1.4	ppm	VPK	14-JUN-99	180	236.1
			HCO3	186	ppm	CaCO3	27-MAY-99	14	310.1

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Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		FIELD
							ANALYZED	FIELD	
L990820-8	13-MAY-99	EPRI-9905-158	K	7.7	ppm	MDK	26-MAY-99	180	6010
			MG	19	ppm	MDK	26-MAY-99	180	6010
			NA	140.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	.23	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB(TR)	<.003	ppm	KPB	14-JUN-99	180	6020
			PH	8.4	pH	EBK	27-MAY-99		150.1
			SE(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			SE(TR)	<.005	ppm	KPB	14-JUN-99		6020
			SO4=	226	ppm	JHN	04-JUN-99	28	9036
			TDS	746	ppm	VPK	19-MAY-99	7	160.1
			TSS	63	ppm	BD	19-MAY-99		160.2
			ZN(D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN(TR)	<.020	ppm	KPB	14-JUN-99	180	6020
			AS(D)	.005	ppm	KPB	07-JUN-99	180	6020
			AS(TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CA	75	ppm	MDK	26-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CD(TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	98	ppm	JHN	01-JUN-99	28	325.2
L990820-9	13-MAY-99	EPRI-9905-164	CO3	8.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	1151	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR(TR)	<.010	ppm	KPB	14-JUN-99		6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU(TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	.72	ppm	ESK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	26-MAY-99	180	6010
			FE(TR)	1.5	ppm	VPK	14-JUN-99	180	236.1
			HCO3	196	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	7.8	ppm	MDK	26-MAY-99	180	6010
			MG	19	ppm	MDK	26-MAY-99	180	6010
			NA	140.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	.25	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB(TR)	<.003	ppm	KPB	14-JUN-99	180	6020
			PH	8.4	pH	EBK	27-MAY-99		150.1
			SE(D)	<.005	ppm	KPB	07-JUN-99	180	6020

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT
El Paso

Water and Solid Waste (Project 3220)

Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLD	DAY'S METHOD
L990820-9	13-MAY-99	EPRI-9905-164	SE (TR)	<.005	ppm	KPB	14-JUN-99	6020	
			SO4=	204	ppm	JHN	04-JUN-99	28	9036
			TDS	755	ppm	VPK	19-MAY-99	7	160.1
			TSS	70	ppm	BD	19-MAY-99		160.2
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	180	6020
			AS (D)	.005	ppm	KPB	07-JUN-99	180	6020
			AS (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CA	75	ppm	MDK	26-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
L990820-10	13-MAY-99	EPRI-9905-191	CD (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	103	ppm	JHN	01-JUN-99	28	325.2
			CO3	8.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	1154	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99	180	6020
			CU (D)	<.025	ppm	KPB	14-JUN-99	180	6020
			CU (TR)	<.025	ppm	EBK	03-JUN-99	28	340.2
			F-	.72	ppm	MDK	26-MAY-99	180	6010
			FE (D)	<.10	ppm	VPK	14-JUN-99	180	236.1
			FE (TR)	1.3	ppm	EBK	27-MAY-99	14	310.1
			HCO3	186	ppm CaCO3	KPB	14-JUN-99	180	6010
			K	7.6	ppm	MDK	26-MAY-99	180	6010
			MG	19	ppm	VPK	10-JUN-99	180	273.1
			NA	140.	ppm	JHN	26-MAY-99	28	353.2
			NO2/NO3	<.10	ppm	KPB	07-JUN-99	180	6020
			PB (D)	<.003	ppm	KPB	14-JUN-99	180	6020
			PB (TR)	<.003	ppm	EBK	27-MAY-99		150.1
			PH	8.4	pH	KPB	07-JUN-99	180	6020
			SE (D)	<.005	ppm	KPB	14-JUN-99	180	6020
			SE (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			SO4=	192	ppm	JHN	04-JUN-99	28	9036
			TDS	727	ppm	VPK	19-MAY-99	7	160.1
			TSS	65	ppm	BD	19-MAY-99		160.2
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990820-11	13-MAY-99	EPRI-9905-163	AS (D)	.005	ppm	KPB	07-JUN-99	180	6020
			AS (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CA	77	ppm	MDK	26-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CD (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	92	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm	CaCO3	27-MAY-99	310.1	
			COND.	1153	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99	180	6020
			CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	.72	ppm	EBK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			FE (TR)	.82	ppm	VPK	14-JUN-99	180	236.1
			HCO3	198	ppm	EBK	27-MAY-99	14	310.1
			K	8.1	ppm	MDK	26-MAY-99	180	6010
			MG	20	ppm	MDK	26-MAY-99	180	6010
			NA	135.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	<.10	ppm	JHN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB (TR)	<.003	ppm	KPB	14-JUN-99	180	6020
			PH	8.3	pH	EBK	27-MAY-99	150.1	
			SE (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			SE (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			SO4=	204	ppm	JHN	04-JUN-99	28	9036
			TDS	748	ppm	VPK	19-MAY-99	7	160.1
			TSS	62	ppm	BD	19-MAY-99	160.2	
			TN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			TN (TR)	<.020	ppm	KPB	14-JUN-99	180	6020
L990820-12	13-MAY-99	EPRI-9905-192	AS (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			AS (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CA	<1.0	ppm	MDK	26-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CD (TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			CL-	<1.0	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm	CaCO3	27-MAY-99	310.1	
			COND.	<5	umhos/cm	VPK	10-JUN-99	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FOLD	TEST METHOD
L990820-12	13-MAY-99	EPRI-9905-192	CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CR(TR)	<.010	ppm	KPB	14-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			CU(TR)	<.025	ppm	KPB	14-JUN-99	180	6020
			F-	<.050	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	<.10	ppm	MDK	26-MAY-99	180	6010
			FE(TR)	<.10	ppm	VPK	14-JUN-99	180	236.1
			HCO3	<.10	ppm	EBK	27-MAY-99	14	310.1
			K	<.10	ppm	MDK	26-MAY-99	180	6010
			MG	<.10	ppm	MDK	26-MAY-99	180	6010
			NA	<5	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	<.10	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PB(TR)	<.003	ppm	KPB	14-JUN-99	180	6020
			PH	5.7	pH	EBK	27-MAY-99	150.1	
			SE(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			SE(TR)	<.005	ppm	KPB	14-JUN-99	180	6020
			SO4=	<.10	ppm	JHN	04-JUN-99	28	9036
			TDS	<.10	ppm	VPK	19-MAY-99	7	160.1
			TSS	<.10	ppm	BD	19-MAY-99	160.2	
			ZN(D)	<.020	ppm	KPB	07-JUN-99	180	6020
			ZN(TR)	<.020	ppm	KPB	14-JUN-99	180	6020
L990820-13	13-MAY-99	EPRI-9905-126	AS(D)	5.1	ppm	KPB	07-JUN-99	180	6020
			CA	499	ppm	MDK	26-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	709	ppm	JHN	01-JUN-99	28	325.2
			CO3	<.10	ppm	EBK	27-MAY-99	310.1	
			COND.	11660	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	4.8	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	.91	ppm	MDK	26-MAY-99	180	6010
			HCO3	1000	ppm	EBK	27-MAY-99	14	310.1
			K	250	ppm	VPK	11-JUN-99	180	258.1
			MG	244	ppm	MDK	26-MAY-99	180	6010
			NA	2100.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	<.10	ppm	JHN	26-MAY-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FOLD	TEST METHOD
L990820-13	13-MAY-99	EPRI-9905-126	PH	7.2	pH	EBK	27-MAY-99	150.1	
			SE(D)	.034	ppm	KPB	07-JUN-99	180	6020
			SO4=	3585	ppm	JHN	04-JUN-99	28	9036
			TDS	9162	ppm	VPK	19-MAY-99	7	160.1
			TSS	83	ppm	BD	19-MAY-99		160.2
			ZN(D)	<.020	ppm	KPB	07-JUN-99	180	6020
			AS(D)	.011	ppm	KPB	07-JUN-99	180	6020
			CA	399	ppm	MDK	26-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	619	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm	CaCO3	27-MAY-99		310.1
			COND.	8240	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	.015	ppm	KPB	07-JUN-99	180	6020
L990820-14	13-MAY-99	EPRI-9905-129	CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	1.7	ppm	EBK	03-JUN-99	28	340.2
			FE(D)	.26	ppm	MDK	26-MAY-99	180	6010
			HCO3	434	ppm	CaCO3	27-MAY-99	14	310.1
			K	23	ppm	MDK	26-MAY-99	180	6010
			MG	197	ppm	VPK	26-MAY-99	180	6010
			NA	1600.	ppm	JHN	10-JUN-99	180	273.1
			NO2/NO3	166	ppm	KPB	03-JUN-99	28	353.2
			PB(D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	8.0	pH	EBK	27-MAY-99		150.1
			SE(D)	.29	ppm	KPB	07-JUN-99	180	6020
			SO4=	2824	ppm	JHN	04-JUN-99	28	9036
			TDS	6722	ppm	VPK	19-MAY-99	7	160.1
L990820-15	13-MAY-99	EPRI-9905-133	TSS	12	ppm	BD	19-MAY-99		160.2
			ZN(D)	<.020	ppm	KPB	07-JUN-99	180	6020
			AS(D)	.006	ppm	KPB	07-JUN-99	180	6020
			CA	297	ppm	MDK	26-MAY-99	180	6010
			CD(D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	511	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm	CaCO3	27-MAY-99		310.1
			COND.	6740	umhos/cm	VPK	10-JUN-99	28	120.1
			CR(D)	<.010	ppm	KPB	07-JUN-99	180	6020
			CU(D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	1.9	ppm	EBK	03-JUN-99	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990820-15	13-MAY-99	EPRI-9905-133	FE (D)	<.10		MDK	26-MAY-99	180	6010
			HCO3	587	ppm	CaCO3	27-MAY-99	14	310.1
			K	26	ppm	MDK	26-MAY-99	180	6010
			MG	149	ppm	MDK	26-MAY-99	180	6010
			NA	1250.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	24	ppm	JHN	26-MAY-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	7.7	pH	EBK	27-MAY-99	150.1	
			SE (D)	1.3	ppm	MDK	26-MAY-99	180	6010
			SO4=	2280	ppm	JHN	04-JUN-99	28	9036
			TDS	5324	ppm	VPK	19-MAY-99	7	160.1
			TSS	10	ppm	BD	19-MAY-99	160.2	
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020
			AS (D)	.35	ppm	KPB	07-JUN-99	180	6020
			CA	62	ppm	MDK	26-MAY-99	180	6010
			CD (D)	<.005	ppm	KPB	07-JUN-99	180	6020
			CL-	142	ppm	JHN	01-JUN-99	28	325.2
			CO3	<1.0	ppm	CaCO3	27-MAY-99	310.1	
			COND.	2340	umhos/cm	VPK	10-JUN-99	28	120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99	180	6020
L990820-16	13-MAY-99	EPRI-9905-125	CU (D)	<.025	ppm	KPB	07-JUN-99	180	6020
			F-	.94	ppm	EBK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99	180	6010
			HCO3	1051	ppm	CaCO3	27-MAY-99	14	310.1
			K	17	ppm	MDK	26-MAY-99	180	6010
			MG	63	ppm	MDK	26-MAY-99	180	6010
			NA	335.	ppm	VPK	10-JUN-99	180	273.1
			NO2/NO3	.45	ppm	JHN	03-JUN-99	28	353.2
			PB (D)	<.003	ppm	KPB	07-JUN-99	180	6020
			PH	7.8	pH	EBK	27-MAY-99	150.1	
			SE (D)	.64	ppm	MDK	26-MAY-99	180	6010
			SO4=	56	ppm	JHN	04-JUN-99	28	9036
			TDS	1459	ppm	VPK	19-MAY-99	7	160.1
			TSS	20	ppm	BD	19-MAY-99	160.2	
			ZN (D)	<.020	ppm	KPB	07-JUN-99	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT


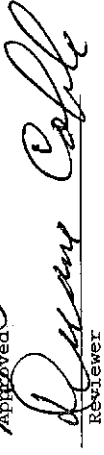
El Paso

Water and Solid Waste (Project 3220)

Batch No: L990820

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLD	METHOD
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DIGESTION-3005
PH IS A FIELD PARAMETER THEREFORE THE HOLDING TIME
CANNOT BE MET BY THE LABORATORY.
HOLDING TIME FOR HCO₃/CO₃ WAS EXCEEDED BY 1 DAY.

Approved: 
Reviewer: 

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WC990531

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WC990531-1		Matrix Spike	AS (D)	107	% RECOVERY	KPB	07-JUN-99		6020
			AS (TR)	100	% RECOVERY	KPB	14-JUN-99		6020
			CD (D)	109	% RECOVERY	KPB	07-JUN-99		6020
			CD (TR)	98	% RECOVERY	KPB	14-JUN-99		6020
			CL-	91	% RECOVERY	JHN	01-JUN-99		325.2
			CR (D)	98	% RECOVERY	KPB	07-JUN-99		6020
			CR (TR)	105	% RECOVERY	KPB	14-JUN-99		6020
			CU (D)	94	% RECOVERY	KPB	07-JUN-99		6020
			CU (TR)	103	% RECOVERY	KPB	14-JUN-99		6020
			F-	105	% RECOVERY	EBK	03-JUN-99		340.2
			FE (D)	108	% RECOVERY	MDK	26-MAY-99		6010
			FE (TR)	105	% RECOVERY	VPK	14-JUN-99		236.1
			NO2/NO3	103	% RECOVERY	JHN	26-MAY-99		353.2
			PB (D)	106	% RECOVERY	KPB	07-JUN-99		6020
			PB (TR)	102	% RECOVERY	KPB	14-JUN-99		6020
			SE (D)	110	% RECOVERY	KPB	07-JUN-99		6020
			SE (TR)	81	% RECOVERY	JHN	14-JUN-99		9036
			SO4=	105	% RECOVERY	KPB	04-JUN-99		6020
			ZN (D)	97	% RECOVERY	KPB	07-JUN-99		6020
			ZN (TR)	88	% RECOVERY	KPB	14-JUN-99		6020
WC990531-2		Prep Blank	AS (D)	<.005	ppm	KPB	07-JUN-99		6020
			AS (TR)	<.005	ppm	KPB	14-JUN-99		6020
			CA	<1.0	ppm	MDK	26-MAY-99		6010
			CD (D)	<.005	ppm	KPB	07-JUN-99		6020
			CD (TR)	<.005	ppm	KPB	14-JUN-99		6020
			CL-	<1.0	ppm	JHN	01-JUN-99		325.2
			COND.	<5	unthos/cm	VPK	10-JUN-99		120.1
			CR (D)	<.010	ppm	KPB	07-JUN-99		6020
			CR (TR)	<.010	ppm	KPB	14-JUN-99		6020
			CU (D)	<.025	ppm	KPB	07-JUN-99		6020
			CU (TR)	<.025	ppm	KPB	14-JUN-99		6020
			F-	<.05	ppm	EBK	03-JUN-99		340.2
			FE (D)	<.10	ppm	MDK	26-MAY-99		6010
			FE (TR)	<.10	ppm	VPK	14-JUN-99		236.1
			HCO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			K	<5	ppm	MDK	26-MAY-99		6010
			MG	<1.0	ppm	MDK	26-MAY-99		6010
			NA	<5	ppm	VPK	10-JUN-99		273.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990531

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID	
								WGT	DRYS METHOD
WG990531-2		Prep Blank	NO2/NO3	<.10	ppm	JHN	26-MAY-99	353.2	
			PB (D)	<.003	ppm	KPB	07-JUN-99	6020	
			PB (TR)	<.003	ppm	KPB	07-JUN-99	6020	
			SE (D)	<.005	ppm	KPB	07-JUN-99	6020	
			SE (TR)	<.005	ppm	KPB	07-JUN-99	6020	
			SO4=	<1.0	ppm	JHN	04-JUN-99	9036	
			TDS	<10	ppm	VPK	19-MAY-99	160.1	
			TSS	<1.0	ppm	BD	19-MAY-99	160.2	
			ZN (D)	<.020	ppm	KPB	07-JUN-99	6020	
			ZN (TR)	<.020	ppm	KPB	14-JUN-99	6020	
			AS (D)	98	% RECOVERY	KPB	07-JUN-99	6020	
			AS (TR)	98	% RECOVERY	KPB	14-JUN-99	6020	
			CA	102	% RECOVERY	MDK	26-MAY-99	6010	
			CD (D)	100	% RECOVERY	KPB	07-JUN-99	6020	
WG990531-3		Laboratory Control	CD (TR)	97	% RECOVERY	KPB	14-JUN-99	6020	
			CL-	88	% RECOVERY	JHN	01-JUN-99	325.2	
			COND.	102	% RECOVERY	VPK	10-JUN-99	120.1	
			CR (D)	100	% RECOVERY	KPB	07-JUN-99	6020	
			CR (TR)	105	% RECOVERY	KPB	14-JUN-99	6020	
			CU (D)	100	% RECOVERY	KPB	07-JUN-99	6020	
			CU (TR)	97	% RECOVERY	KPB	14-JUN-99	6020	
			F-	93	% RECOVERY	EBK	03-JUN-99	340.2	
			FE (D)	100	% RECOVERY	MDK	26-MAY-99	6010	
			FE (TR)	105	% RECOVERY	VPK	14-JUN-99	236.1	
			HCO3	100	% RECOVERY	EBK	27-MAY-99	310.1	
			K	107	% RECOVERY	MDK	26-MAY-99	6010	
			MG	101	% RECOVERY	MDK	26-MAY-99	6010	
			NA	100	% RECOVERY	VPK	10-JUN-99	273.1	
			NO2/NO3	101	% RECOVERY	JHN	26-MAY-99	353.2	
			PB (D)	103	% RECOVERY	KPB	07-JUN-99	6020	
			PB (TR)	105	% RECOVERY	KPB	14-JUN-99	6020	
			SE (D)	103	% RECOVERY	KPB	07-JUN-99	6020	
			SE (TR)	86	% RECOVERY	KPB	14-JUN-99	6020	
			SO4=	103	% RECOVERY	KPB	14-JUN-99	6020	
			TDS	93	% RECOVERY	JHN	04-JUN-99	9036	
			TSS	90	% RECOVERY	VPK	19-MAY-99	160.1	
			ZN (D)	100	% RECOVERY	BD	19-MAY-99	160.2	
			ZN (TR)	98	% RECOVERY	KPB	07-JUN-99	6020	
					% RECOVERY	KPB	14-JUN-99	6020	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990531

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYSED	HOLD DAYS	METHOD
WG990531-4		Duplicate							
			AS (D)	<1	% RPD	KPB	07-JUN-99	6020	
			AS (TR)	+/- PQL	% RPD	KPB	14-JUN-99	6020	
			CA	<1	% RPD	MDK	26-MAY-99	6010	
			CD (D)	<1	% RPD	KPB	07-JUN-99	6020	
			CD (TR)	<1	% RPD	KPB	14-JUN-99	6020	
			CL-	11	% RPD	JHN	01-JUN-99	325.2	
			COND.	<1	% RPD	VPK	10-JUN-99	120.1	
			CR (D)	<1	% RPD	KPB	07-JUN-99	6020	
			CR (TR)	<1	% RPD	KPB	14-JUN-99	6020	
			CU (D)	<1	% RPD	KPB	07-JUN-99	6020	
			CU (TR)	<1	% RPD	KPB	14-JUN-99	6020	
			F-	1	% RPD	EBK	03-JUN-99	340.2	
			FE (D)	<1	% RPD	MDK	26-MAY-99	6010	
			FE (TR)	6	% RPD	VPK	14-JUN-99	236.1	
			HCO3	4	% RPD	EBK	27-MAY-99	310.1	
			K	1	% RPD	MDK	26-MAY-99	6010	
			MG	<1	% RPD	MDK	26-MAY-99	6010	
			NA	<1	% RPD	VPK	10-JUN-99	273.1	
			NO2/NO3	9	% RPD	JHN	26-MAY-99	353.2	
			PB (D)	<1	% RPD	KPB	07-JUN-99	6020	
			PB (TR)	+/- PQL	% RPD	KPB	14-JUN-99	6020	
			SE (D)	<1	% RPD	KPB	07-JUN-99	6020	
			SE (TR)	<1	% RPD	KPB	14-JUN-99	6020	
			SO4=	9	% RPD	JHN	04-JUN-99	9036	
			TDS	3	% RPD	VPK	19-MAY-99	160.1	
			TSS	19	% RPD	BD	19-MAY-99	160.2	
			ZN (D)	<1	% RPD	KPB	07-JUN-99	6020	
			ZN (TR)	+/- PQL	% RPD	KPB	14-JUN-99	6020	
WG990531-5		Practical Quantitation Limit							
			AS (TR)	.005	ppm			6020	
			CA	1.0	ppm			6010	
			CD (TR)	.005	ppm			6020	
			CL-	1.0	ppm			325.2	
			COND.	5	umhos/cm			120.1	
			CR (TR)	.010	ppm			6020	
			CU (TR)	.025	ppm			6020	
			F-	.05	ppm			340.2	
			FE (D)	.10	ppm			6010	
			FE (TR)	.10	ppm			236.1	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990531

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOST	ANALYSIS METHOD
WG990531-5		Practical Quantitation Limit	HCO3	1.0	ppm CaCO3				310.1
			K	5	ppm				6010
			MG	1.0	ppm				6010
			NA	5	ppm				273.1
			NO2/NO3	.10	ppm				353.2
			PB (TR)	.003	ppm				6020
			SE (TR)	.005	ppm				6020
			SO4=	1.0	ppm				9036
			TDS	1.0	ppm				160.1
			TSS	1.0	ppm				160.2
			ZN (TR)	.02	ppm				6020
WG990531-6		Prep Blank	SE (D)	<.10	ppm	MDK	26-MAY-99		6010
WG990531-7		Laboratory Control Samples	SE (D)	99	% RECOVERY	MDK	26-MAY-99		6010
WG990531-8		Duplicate	SE (D)	<1	% RPD	MDK	26-MAY-99		6010
WG990531-9		Matrix Spike	SE (D)	100	% RECOVERY	MDK	26-MAY-99		6010

APPROVED

 Duane Cobb
 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	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
5/14/99	815				3	X	X	X					
	850				3	X	X	X					
	915				3	X	X	X					
	1445				3	X	X	X					
	955				3	X	X	X					
	1035				3	X	X	X					
	1040				3	X	X	X					
	1110				3	X	X	X					
	1535				3	X	X	X					
	1620				3	X	X	X					
	1650				3	X	X	X					
5/12/99	910				4	X	X	X		X			
	935				4	X	X	X		X			
	955				3	X	X	X					
	1015				3	X	X	X					
Relinquished (Signature)		Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, Fed Ex, UPS					
5/13/99		5/13/99 14:15		TSC - SALT LAKE CITY				Other					
Relinquished (Signature)		Received by: (Signature)		Remarks				Air Bill #					
Relinquished (Signature)		Received for Laboratory by: (Signature)		Date/Time				Enclosed: <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					
5/14/99		5/14/99 10:30		Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined				Return results & electronic copy to:					

84

HYDROTECH, INC.

U.

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										REMARKS					
DATE	TIME	COM. GRAB	SAMPLE NUMBER	Nutrients UF/RAW			Diss. Metal F/HNO ₃		CN UF/NaOH		Total Metals UF/HNO ₃		Total Recoverable Metals UF/HNO ₃		TPH	BTEX	REMARKS	
				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	TPH	BTEX							
931	ASARCO - El Paso, TX	3																
5/12/99	1030		EPRI-9905-189	X	X	X	X	X	X	X	X	X	X	X				
	1320		EPRI-9905-161	X	X	X	X	X	X	X	X	X	X	X				
	1340		EPRI-9905-157	X	X	X	X	X	X	X	X	X	X	X				
	1330		EPRI-9905-159	X	X	X	X	X	X	X	X	X	X	X				
	1335		EPRI-9905-190	X	X	X	X	X	X	X	X	X	X	X				
	1515		EPRI-9905-162	X	X	X	X	X	X	X	X	X	X	X				
5/13/99	820		EPRI-9905-160	X	X	X	X	X	X	X	X	X	X	X				
	845		EPRI-9905-166	X	X	X	X	X	X	X	X	X	X	X				
	910		EPRI-9905-165	X	X	X	X	X	X	X	X	X	X	X				
	930		EPRI-9905-158	X	X	X	X	X	X	X	X	X	X	X				
	950		EPRI-9905-164	X	X	X	X	X	X	X	X	X	X	X				
	1000		EPRI-9905-191	X	X	X	X	X	X	X	X	X	X	X				
	1020		EPRI-9905-163	X	X	X	X	X	X	X	X	X	X	X				
	1050		EPRI-9905-192	X	X	X	X	X	X	X	X	X	X	X				
Relinquished (Signature)				Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, (Fed Ex) UPS								
Date/Time				Date/Time		TSC-SALT LAKE CITY				Other								
Relinquished (Signature)				Received by: (Signature)		Remarks				Air Bill #								
Date/Time				Date/Time		5/13/99 19:15												
Relinquished (Signature)				Received for Laboratory by: (Signature)		Date/Time												
Date/Time				Date/Time		5/14/99 1030												
Enclosed: <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		Signature												

HF0RM-1-4/95

Return results & electronic copy to:

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		DATE		TIME	COMP.	GRAB	SAMPLE NUMBER	NO. OF CONTAINERS	ANALYSIS						REMARKS		
										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	
931	ASARCO - El Paso, TX								3	X	X	X						
SAMPLERS: (Signature) <i>Handwritten Signature</i>																		
				5/13/95	1340			EPRI-9905-126	3	X	X	X						
					1420			EPRI-9905-129	3	X	X	X						
					1450			EPRI-9905-133	3	X	X	X						
								EPRI-9905-125	3	X	X	X						
[Large diagonal line across the table]																		
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, Fed Ex, UPS								
<i>Eric Morales</i>		16:05 5/13/95				TSC - SALT LAKE				Other								
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks												
						5.149 1030												
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed:										
				<i>Signature</i>				<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										

HFORM 95

Return results & electronic copy to:
Computer Dept at address at top of page

Split Samples:
☐ Accepted ☐ Declined

June

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990882

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	MDK
L990882-1	14-MAY-99	EPRI-9905-112	AS (D)	.097	ppm	MDK	18-JUN-99	180
			CA	212	ppm	MDK	01-JUN-99	180
			CD (D)	<.005	ppm	MDK	18-JUN-99	180
			CL-	1195	ppm	VPK	09-JUN-99	28
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1
			COND.	6410	umhos/cm	VPK	17-JUN-99	28
			CR (D)	<.010	ppm	MDK	01-JUN-99	180
			CU (D)	<.025	ppm	MDK	18-JUN-99	180
			F-	2.2	ppm	VPK	03-JUN-99	28
			FE (D)	.69	ppm	MDK	01-JUN-99	180
			HCO3	1346	ppm CaCO3	EBK	27-MAY-99	14
			K	50	ppm	MDK	01-JUN-99	180
			MG	92	ppm	MDK	01-JUN-99	180
			NA	1096	ppm	MDK	01-JUN-99	180
			NO2/NO3	<.10	ppm	JHN	04-JUN-99	28
			PB (D)	<.003	ppm	MDK	18-JUN-99	180
			PH	7.4	pH	EBK	27-MAY-99	150.1
			SE (D)	.33	ppm	MDK	01-JUN-99	180
			SO4=	1132	ppm	JHN	10-JUN-99	28
			TDS	4137	ppm	VPK	21-MAY-99	7
			TSS	31	ppm	BD	21-MAY-99	160.2
			ZN (D)	<.02	ppm	MDK	01-JUN-99	180
L990882-2	14-MAY-99	EPRI-9905-111	AS (D)	4.9	ppm	MDK	18-JUN-99	180
			CA	69	ppm	MDK	01-JUN-99	180
			CD (D)	<.005	ppm	MDK	18-JUN-99	180
			CL-	290	ppm	VPK	09-JUN-99	28
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1
			COND.	4190	umhos/cm	VPK	17-JUN-99	28
			CR (D)	<.010	ppm	MDK	01-JUN-99	180
			CU (D)	<.025	ppm	MDK	18-JUN-99	180
			F-	2.0	ppm	VPK	03-JUN-99	28
			FE (D)	.34	ppm	MDK	01-JUN-99	180
			HCO3	588	ppm CaCO3	EBK	27-MAY-99	14
			K	97	ppm	MDK	01-JUN-99	180
			MG	49	ppm	MDK	01-JUN-99	180
			NA	599	ppm	MDK	01-JUN-99	180
			NO2/NO3	<.10	ppm	JHN	04-JUN-99	28
			PB (D)	<.003	ppm	MDK	18-JUN-99	180

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990882

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990882-2	14-MAY-99	EPRI-9905-111	PH	7.8		EBK	27-MAY-99	150.1	
			SE(D)	.008	ppm	KFB	09-JUN-99	180	6020
			SO4=	1403	ppm	JHN	10-JUN-99	28	9036
			TDS	2388	ppm	VPK	21-MAY-99	7	160.1
			TSS	47	ppm	BD	21-MAY-99	160.2	
			ZN(D)	<.02	ppm	MDK	01-JUN-99	180	6010
L990882-3	14-MAY-99	EPRI-9905-113	AS(D)	1.0	ppm	MDK	18-JUN-99	180	6020
			CA	675	ppm	MDK	21-JUN-99	180	6010
			CD(D)	<.005	ppm	MDK	18-JUN-99	180	6020
			CL-	885	ppm	VPK	09-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1	
			COND.	7880	umhos/cm	VPK	17-JUN-99	28	120.1
			CR(D)	<.010	ppm	MDK	01-JUN-99	180	6010
			CU(D)	<.025	ppm	MDK	18-JUN-99	180	6020
			F-	5.0	ppm	VPK	03-JUN-99	28	340.2
			FE(D)	26	ppm	MDK	01-JUN-99	180	6010
			HCO3	632	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	738	ppm	MDK	21-JUN-99	180	6010
			MG	50	ppm	MDK	01-JUN-99	180	6010
			NA	700	ppm	MDK	21-JUN-99	180	6010
			NO2/NO3	.67	ppm	JHN	04-JUN-99	28	353.2
			PB(D)	<.003	ppm	MDK	18-JUN-99	180	6020
			PH	7.0	PH	EBK	27-MAY-99	150.1	
			SE(D)	.84	ppm	MDK	01-JUN-99	180	6010
			SO4=	2996	ppm	JHN	10-JUN-99	28	9036
			TDS	6245	ppm	VPK	21-MAY-99	7	160.1
			TSS	12081	ppm	BD	21-MAY-99	160.2	
			ZN(D)	.022	ppm	MDK	01-JUN-99	180	6010
L990882-4	14-MAY-99	EPRI-9905-123	AS(D)	26	ppm	MDK	18-JUN-99	180	6020
			CA	541	ppm	MDK	21-JUN-99	180	6010
			CD(D)	<.005	ppm	MDK	18-JUN-99	180	6020
			CL-	909	ppm	VPK	09-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1	
			COND.	10510	umhos/cm	VPK	17-JUN-99	28	120.1
			CR(D)	<.010	ppm	MDK	01-JUN-99	180	6010
			CU(D)	<.025	ppm	MDK	18-JUN-99	180	6020
			F-	14	ppm	VPK	03-JUN-99	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990882

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L990882-4	14-MAY-99	EPRI-9905-123	FE(D)	52	ppm	MDK	01-JUN-99	180
			HCO3	700	ppm CaCO3	EBK	27-MAY-99	14
			K	192	ppm	MDK	21-JUN-99	180
			MG	374	ppm	MDK	01-JUN-99	180
			NA	1654	ppm	MDK	21-JUN-99	180
			NO2/NO3	.13	ppm	JHN	04-JUN-99	28
			PB(D)	<.003	ppm	MDK	18-JUN-99	180
			PH	7.1	pH	EBK	27-MAY-99	150.1
			SE(D)	.10	ppm	MDK	01-JUN-99	180
			SO4=	3651	ppm	JHN	10-JUN-99	28
			TDS	8951	ppm	VPK	21-MAY-99	7
			TSS	447	ppm	BD	21-MAY-99	160.1
			ZN(D)	20	ppm	MDK	01-JUN-99	180
								6010
			AS(D)	302	ppm	MDK	21-JUN-99	180
			CA	493	ppm	MDK	21-JUN-99	180
			CD(D)	29	ppm	MDK	21-JUN-99	180
			CL-	727	ppm	VPK	09-JUN-99	28
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99	310.1
			COND.	10570	umhos/cm	VPK	17-JUN-99	28
L990882-5	14-MAY-99	EPRI-9905-118	CR(D)	.011	ppm	KPS	09-JUN-99	180
			CU(D)	.031	ppm	MDK	18-JUN-99	180
			F-	23	ppm	VPK	03-JUN-99	28
			FE(D)	1548	ppm	MDK	21-JUN-99	180
			HCO3	<1.0	ppm CaCO3	EBK	27-MAY-99	14
			K	342	ppm	MDK	21-JUN-99	180
			MG	288	ppm	MDK	01-JUN-99	180
			NA	819	ppm	MDK	21-JUN-99	180
			NO2/NO3	.72	ppm	JHN	04-JUN-99	28
			PB(D)	.005	ppm	MDK	18-JUN-99	180
			PH	4.2	pH	EBK	27-MAY-99	150.1
			SE(D)	.12	ppm	MDK	01-JUN-99	180
			SO4=	7140	ppm	JHN	10-JUN-99	28
			TDS	14083	ppm	VPK	21-MAY-99	7
			TSS	804	ppm	BD	21-MAY-99	160.1
			ZN(D)	1063	ppm	MDK	21-JUN-99	180
								6010
			AS(D)	2.4	ppm	BD	24-JUN-99	180
			CA	340	ppm	MDK	01-JUN-99	180
								6010
L990882-6	14-MAY-99	EPRI-9905-104						

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990882

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990882-6	14-MAY-99	EPRI-9905-104	CD (D)	<.005	ppm	MDK	18-JUN-99	180	6020
			CL-	372	ppm	VPK	09-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	6020	umhos/cm	VPK	17-JUN-99	28	120.1
			CR (D)	<.010	ppm	MDK	01-JUN-99	180	6010
			CU (D)	<.025	ppm	MDK	18-JUN-99	180	6020
			F-	.80	ppm	VPK	03-JUN-99	28	340.2
			FE (D)	.74	ppm	MDK	01-JUN-99	180	6010
			HCO3	1650	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	27	ppm	MDK	01-JUN-99	180	6010
			MG	134	ppm	MDK	01-JUN-99	180	6010
			NA	1096	ppm	MDK	01-JUN-99	180	6010
			NO2/NO3	10	ppm	JHN	04-JUN-99	28	353.2
			PH (D)	<.003	ppm	MDK	18-JUN-99	180	6020
			PH	7.7	pH	EBK	27-MAY-99		150.1
			SE (D)	.26	ppm	MDK	01-JUN-99	180	6010
			SO4=	2121	ppm	JHN	10-JUN-99	28	9036
			TDS	4936	ppm	VPK	21-MAY-99	7	160.1
			TSS	41	ppm	BD	21-MAY-99		160.2
			ZN (D)	.024	ppm	BD	24-JUN-99	180	6020
L990882-7	14-MAY-99	EPRI-9905-193	AS (D)	2.7	ppm	BD	24-JUN-99	180	6020
			CA	328	ppm	MDK	01-JUN-99	180	6010
			CD (D)	<.005	ppm	MDK	18-JUN-99	180	6020
			CL-	376	ppm	VPK	09-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	5900	umhos/cm	VPK	17-JUN-99	28	120.1
			CR (D)	<.010	ppm	MDK	01-JUN-99	180	6010
			CU (D)	<.025	ppm	MDK	18-JUN-99	180	6020
			F-	.76	ppm	VPK	03-JUN-99	28	340.2
			FE (D)	.76	ppm	MDK	01-JUN-99	180	6010
			HCO3	850	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	26	ppm	MDK	01-JUN-99	180	6010
			MG	134	ppm	MDK	01-JUN-99	180	6010
			NA	1063	ppm	MDK	01-JUN-99	180	6010
			NO2/NO3	14	ppm	JHN	03-JUN-99	28	353.2
			PH (D)	<.003	ppm	MDK	18-JUN-99	180	6020
			PH	7.7	pH	EBK	27-MAY-99		150.1
			SE (D)	.32	ppm	MDK	01-JUN-99	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990882

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990882-7	14-MAY-99	EPRI-9905-193	SO4=	2093	ppm	JHN	10-JUN-99	28	9036
			TDS	4840	ppm	VPK	21-MAY-99	7	160.1
			TSS	66	ppm	BD	21-MAY-99		160.2
			ZN(D)	.035	ppm	BD	24-JUN-99	180	6020
			AS (D)	.37	ppm	BD	24-JUN-99	180	6020
			CA	385	ppm	MDK	01-JUN-99	180	6010
			CD (D)	<.005	ppm	MDK	18-JUN-99	180	6020
			CL-	1535	ppm	VPK	09-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	8600	umhos/cm	VPK	17-JUN-99	28	120.1
			CR (D)	<.010	ppm	MDK	01-JUN-99	180	6010
			CU (D)	<.025	ppm	MDK	18-JUN-99	180	6020
			F-	2.0	ppm	VPK	03-JUN-99	28	340.2
			FE (D)	.96	ppm	MDK	01-JUN-99	180	6010
L990882-8	14-MAY-99	EPRI-9905-117	HCO3	700	ppm CaCO3	EBK	27-MAY-99	14	310.1
			K	77	ppm	MDK	01-JUN-99	180	6010
			MG	133	ppm	MDK	01-JUN-99	180	6010
			NA	1374	ppm	MDK	21-JUN-99	180	6010
			NO2/NO3	2.9	ppm	JHN	03-JUN-99	28	353.2
			PB (D)	<.003	ppm	MDK	18-JUN-99	180	6020
			PH	7.4	PH	EBK	27-MAY-99		150.1
			SE (D)	.34	ppm	MDK	01-JUN-99	180	6010
			SO4=	1484	ppm	JHN	10-JUN-99	28	9036
			TDS	6257	ppm	VPK	21-MAY-99	7	160.1
			TSS	52	ppm	BD	21-MAY-99		160.2
			ZN (D)	.029	ppm	BD	24-JUN-99	180	6020
			AS (D)	<.005	ppm	BD	24-JUN-99	180	6020
			CA	<1.0	ppm	MDK	01-JUN-99	180	6010
L990882-9	14-MAY-99	EPRI-9905-194	CD (D)	<.005	ppm	MDK	18-JUN-99	180	6020
			CL-	1.7	ppm	VPK	09-JUN-99	28	325.2
			CO3	<1.0	ppm CaCO3	EBK	27-MAY-99		310.1
			COND.	<5	umhos/cm	VPK	17-JUN-99	28	120.1
			CR (D)	<.010	ppm	MDK	01-JUN-99	180	6010
			CU (D)	<.025	ppm	MDK	18-JUN-99	180	6020
			F-	<.05	ppm	VPK	03-JUN-99	28	340.2
			FE (D)	<.10	ppm	MDK	01-JUN-99	180	6010
			HCO3	<1.0	ppm CaCO3	EBK	27-MAY-99	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L990882

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L990882-9	14-MAY-99	EPRI-9905-194	K	<5	ppm	MDK	01-JUN-99	180	6010
			MG	<1.0	ppm	MDK	01-JUN-99	180	6010
			NA	<5	ppm	MDK	01-JUN-99	180	6010
			NO2/NO3	<.10	ppm	JHN	04-JUN-99	28	353.2
			PB(D)	<.003	ppm	MDK	18-JUN-99	180	6020
			PH	5.8	PH	EBK	27-MAY-99		150.1
			SE(D)	<.005	ppm	MDK	18-JUN-99	180	6020
			SO4=	<1	ppm	JHN	10-JUN-99	28	9036
			TDS	<10	ppm	VPK	21-MAY-99	7	160.1
			TSS	<1.0	ppm	ED	21-MAY-99		160.2
			ZN(D)	<.02	ppm	ED	24-JUN-99	180	6020

SAMPLES L990882-3 AND L990882-5 WERE MULTIPHASIC WITH OIL
FLOATING ON TOP. TSS, TDS AND AION ANALYSIS REPRESENT
AQUEOUS PORTION OF SAMPLE.

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Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990580

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
WG990580-1		Matrix Spike	AS (D)	92	% RECOVERY	MDK	18-JUN-99	6020
			CD (D)	89	% RECOVERY	MDK	18-JUN-99	6020
			CL-	86	% RECOVERY	VPK	09-JUN-99	325.2
			CR (D)	101	% RECOVERY	MDK	01-JUN-99	6010
			CU (D)	92	% RECOVERY	MDK	18-JUN-99	6020
			F-	80	% RECOVERY	VPK	03-JUN-99	340.2
			FE (D)	106	% RECOVERY	MDK	01-JUN-99	6010
			NO2/NO3	94	% RECOVERY	JHN	04-JUN-99	353.2
			PB (D)	90	% RECOVERY	MDK	18-JUN-99	6020
			SE (D)	97	% RECOVERY	MDK	01-JUN-99	6010
			SO4=	103	% RECOVERY	JHN	10-JUN-99	9036
			ZN (D)	117	% RECOVERY	MDK	01-JUN-99	6010
WG990580-2		Prep Blank	AS (D)	<.005	ppm	MDK	18-JUN-99	6020
			CA	<1.0	ppm	MDK	01-JUN-99	6010
			CD (D)	<.005	ppm	MDK	18-JUN-99	6020
			CL-	<1.0	ppm	VPK	09-JUN-99	325.2
			COND.	<5	umhos/cm	VPK	17-JUN-99	120.1
			CR (D)	<.010	ppm	MDK	01-JUN-99	6010
			CU (D)	<.025	ppm	MDK	18-JUN-99	6020
			F-	<.05	ppm	VPK	03-JUN-99	340.2
			FE (D)	<.10	ppm	MDK	01-JUN-99	6010
			HCO3	<1	ppm CaCO3	EBK	27-MAY-99	310.1
			K	<5	ppm	MDK	01-JUN-99	6010
			MG	<1.0	ppm	MDK	01-JUN-99	6010
			NA	<5	ppm	MDK	01-JUN-99	6010
			NO2/NO3	<.10	ppm	JHN	03-JUN-99	353.2
			PB (D)	<.003	ppm	MDK	18-JUN-99	6020
			SE (D)	<.005	ppm	MDK	01-JUN-99	6020
			SO4=	<1	ppm	JHN	10-JUN-99	9036
			TDS	<10	ppm	VPK	21-MAY-99	160.1
			TSS	<1.0	ppm	BD	21-MAY-99	160.2
			ZN (D)	<.02	ppm	MDK	01-JUN-99	6010
WG990580-3		Laboratory Control	AS (D)	90	% RECOVERY	MDK	18-JUN-99	6020
			CA	96	% RECOVERY	MDK	01-JUN-99	6010
			CD (D)	92	% RECOVERY	MDK	18-JUN-99	6020
			CL-	99	% RECOVERY	VPK	09-JUN-99	325.2
			COND.	102	% RECOVERY	VPK	17-JUN-99	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990580

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990580-3		Laboratory Control	CR(D)	93	% RECOVERY	MDK	01-JUN-99		6010
			CU(D)	96	% RECOVERY	MDK	18-JUN-99		6020
			F-	<1	% RPD	VPK	03-JUN-99		340.2
			FE(D)	98	% RECOVERY	MDK	01-JUN-99		6010
			HCO3	98	% RECOVERY	EBK	27-MAY-99		310.1
			K	100	% RECOVERY	MDK	01-JUN-99		6010
			MG	100	% RECOVERY	MDK	01-JUN-99		6010
			NA	92	% RECOVERY	JHN	01-JUN-99		6010
			NO2/NO3	98	% RECOVERY	JHN	03-JUN-99		353.2
			PB(D)	93	% RECOVERY	MDK	18-JUN-99		6020
			PH	101	% RECOVERY	EBK	27-MAY-99		150.1
			SE(D)	107	% RECOVERY	MDK	01-JUN-99		6010
			SO4=	102	% RECOVERY	JHN	10-JUN-99		9036
			TDS	99	% RECOVERY	VPK	21-MAY-99		160.1
			TSS	95	% RECOVERY	BD	21-MAY-99		160.2
			ZN(D)	99	% RECOVERY	MDK	01-JUN-99		6010
WG990580-4		Duplicate	AS(D)	3	% RPD	KPB	09-JUN-99		6020
			CA	1	% RPD	MDK	01-JUN-99		6010
			CD(D)	<1	% RPD	MDK	18-JUN-99		6020
			CL-	7	% RPD	VPK	09-JUN-99		325.2
			COND.	<1	% RPD	VPK	17-JUN-99		120.1
			CR(D)	<1	% RPD	MDK	01-JUN-99		6010
			CU(D)	<1	% RPD	MDK	18-JUN-99		6020
			F-	90	% RECOVERY	VPK	03-JUN-99		340.2
			FE(D)	3	% RPD	MDK	01-JUN-99		6010
			HCO3	3	% RPD	MDK	27-MAY-99		310.1
			K	17	% RPD	MDK	01-JUN-99		6010
			MG	3	% RPD	MDK	01-JUN-99		6010
			NA	<1	% RPD	MDK	01-JUN-99		6010
			NO2/NO3	10	% RPD	JHN	03-JUN-99		353.2
			PB(D)	<1	% RPD	MDK	18-JUN-99		6020
			PH	<1	% RPD	EBK	27-MAY-99		150.1
			SE(D)	54*/6	% RPD	MDK	01-JUN-99		6010/6020
			SO4=	8	% RPD	JHN	10-JUN-99		9036
			TDS	<1	% RPD	VPK	21-MAY-99		160.1
			TSS	15	% RPD	BD	21-MAY-99		160.2
			ZN(D)	<1	% RPD	MDK	01-JUN-99		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990580

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990580-5		Practical Quantitation Limit	AS (D)	.005	ppm				6020
			CA	1.0	ppm				6010
			CD (D)	.005	ppm				6020
			CL-	1.0	ppm				325.2
			COND.	5	umhos/cm				120.1
			CR (D)	.010	ppm				6010
			CU (D)	.025	ppm				6020
			F-	.05	ppm				340.2
			FE (D)	.10	ppm				6010
			HCO3	1	ppm CaCO3				310.1
			K	5	ppm				6010
			MG	1.0	ppm				6010
			NA	5	ppm				6010
			NO2/NO3	.10	ppm				353.2
			PE (C)	.003	ppm				6020
			SE (D)	.005	ppm				6010
			SO4=	1	ppm				9036
			TDS	10	ppm				160.1
			TSS	1.0	ppm				160.2
			ZN (D)	.02	ppm				6010

*SE DUPLICATE ANALYSIS OUT POSSIBLY DUE TO HIGH NA MATRIX.
FOR HIGH CL- SAMPLES ICP-MS ANALYSIS SUSPECT SO ICP VALUES
WERE REPORTED.

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SECTION I-5

**LABORATORY REPORTS FOR WATER SAMPLES,
SUMMER 1999**

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L991377

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L991377-002	02-AUG-99	EPRI-9908-116	CR	.015	ppm	KB	25-AUG-99	180	6020M
			CR (D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99	180	6020M
			CU (D)	<.025	ppm	KB	25-AUG-99	180	6020
			F-	1.0	ppm	BD	25-AUG-99	28	340.2
			FE	1.6	ppm	BD	26-AUG-99	180	236.1
			FE (D)	<.10	ppm	MK	25-AUG-99	180	6010
			HCO3	500.	ppm	DC	05-AUG-99	14	310.1
			K	19.	ppm	CaCO3	23-AUG-99	180	6010
			MG	160.	ppm	MK	23-AUG-99	180	6010
			NA	900.	ppm	MK	26-AUG-99	180	6010
			NO2/NO3	88.	ppm	BD	12-AUG-99	28	273.1
			PB	.009	ppm	JN	25-AUG-99	180	353.2
			PB (D)	<.003	ppm	KB	25-AUG-99	180	6020M
			PH	7.1	pH	KB	25-AUG-99	180	6020
			SE	1.7	ppm	DC	05-AUG-99	150.1	
			SE (D)	2.0	ppm	KB	25-AUG-99	180	6020M
			SO4=	2620.	ppm	KB	25-AUG-99	180	6020
			TDS	6040.	ppm	JN	09-AUG-99	28	9036
			TSS	398.	ppm	BD	06-AUG-99	7	160.1
			ZN	.027	ppm	BD	06-AUG-99	160.2	
			ZN (D)	<.020	ppm	KB	25-AUG-99	180	6020M
L991377-003	02-AUG-99	EPRI-9908-115	AS	.26	ppm	KB	25-AUG-99	180	6020M
			AS (D)	.26	ppm	KB	25-AUG-99	180	6020
			CA	57.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	25-AUG-99	180	6020M
			CD (D)	<.005	ppm	KB	25-AUG-99	180	6020
			CL-	302.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	DC	05-AUG-99	310.1	
			COND.	3180.	umhos/cm2	BD	06-AUG-99	28	120.1
			CR	.014	ppm	KB	25-AUG-99	180	6020M
			CR (D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99	180	6020
			CU (D)	<.025	ppm	KB	25-AUG-99	180	6020M
			F-	3.3	ppm	KB	25-AUG-99	180	6020
			FE	7.2	ppm	BD	25-AUG-99	28	340.2
			FE (D)	<.10	ppm	BD	26-AUG-99	180	236.1
			HCO3	380.	ppm	MK	25-AUG-99	180	6010
					ppm	CaCO3	05-AUG-99	14	310.1
						DC			

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L991377

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD DAYS	METHOD
							ANALYZED	RECEIVED		
L991377-001	02-AUG-99	EPRI-9908-108	AS	1.1	ppm	KB	25-AUG-99	180	6020M	
			AS(D)	1.0	ppm	KB	25-AUG-99	180	6020	
			CA	498.	ppm	MK	23-AUG-99	180	6010	
			CD	.030	ppm	KB	25-AUG-99	180	6020M	
			CD(D)	.030	ppm	KB	25-AUG-99	180	6020	
			CL-	754.	ppm	JN	25-AUG-99	28	325.2	
			CO3	<1.0	ppm	DC	05-AUG-99	310.1		
			COND.	9930.	umhos/cm2	BD	06-AUG-99	28	120.1	
			CR	<.010	ppm	KB	25-AUG-99	180	6020M	
			CR(D)	<.010	ppm	KB	25-AUG-99	180	6020	
			CU	.026	ppm	KB	25-AUG-99	180	6020M	
			CU(D)	<.025	ppm	KB	25-AUG-99	180	6020	
			F-	2.1	ppm	BD	25-AUG-99	28	340.2	
			FE	.90	ppm	BD	26-AUG-99	180	236.1	
			FE(D)	<.10	ppm	MK	25-AUG-99	180	6010	
			HCO3	305.	ppm	DC	05-AUG-99	14	310.1	
			K	53.	ppm	MK	23-AUG-99	180	6010	
			MG	287.	ppm	MK	23-AUG-99	180	6010	
			NA	1600.	ppm	BD	26-AUG-99	180	273.1	
			NO2/NO3	143.	ppm	JN	12-AUG-99	28	353.2	
			PB	.005	ppm	KB	25-AUG-99	180	6020M	
			PB(D)	<.003	ppm	KB	25-AUG-99	180	6020	
			PH	7.2	pH	DC	05-AUG-99	150.1		
			SE	.35	ppm	KB	25-AUG-99	180	6020M	
			SE(D)	.37	ppm	KB	25-AUG-99	180	6020	
			SO4=	4935.	ppm	JN	09-AUG-99	28	9036	
			TDS	8709.	ppm	BD	06-AUG-99	7	160.1	
			TSS	35.	ppm	BD	06-AUG-99	160.2		
			ZN	.046	ppm	KB	25-AUG-99	180	6020M	
			ZN(D)	.040	ppm	KB	25-AUG-99	180	6020	
L991377-002	02-AUG-99	EPRI-9908-116	AS	.78	ppm	KB	25-AUG-99	180	6020M	
			AS(D)	.82	ppm	KB	25-AUG-99	180	6020	
			CA	476.	ppm	MK	23-AUG-99	180	6010	
			CD	<.005	ppm	KB	25-AUG-99	180	6020M	
			CD(D)	<.005	ppm	KB	25-AUG-99	180	6020	
			CL-	1086.	ppm	JN	25-AUG-99	28	325.2	
			CO3	<1.0	ppm	DC	05-AUG-99	310.1		
			COND.	6920.	umhos/cm2	BD	06-AUG-99	28	120.1	

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L991377-003	02-AUG-99	EPRI-9908-115	K	18.	ppm	MK	23-AUG-99	180	6010
			MG	22.	ppm	MK	23-AUG-99	180	6010
			NA	500.	ppm	BD	26-AUG-99	180	273.1
			NO2/NO3	3.3	ppm	JN	12-AUG-99	28	353.2
			PB	.008	ppm	KB	25-AUG-99	180	6020M
			PB(D)	<.003	ppm	KB	25-AUG-99	180	6020
			PH	7.8	pH	DC	05-AUG-99	150.1	
			SE	.11	ppm	KB	25-AUG-99	180	6020M
			SE(D)	.12	ppm	KB	25-AUG-99	180	6020
			SO4=	741.	ppm	JN	05-AUG-99	28	9036
			TDS	2143.	ppm	BD	06-AUG-99	7	160.1
			TSS	1160.	ppm	BD	06-AUG-99		160.2
			ZN	.029	ppm	KB	25-AUG-99	180	6020M
			ZN(D)	<.020	ppm	KB	25-AUG-99	180	6020
			AS	.13	ppm	KB	25-AUG-99	180	6020M
			AS(D)	.15	ppm	KB	25-AUG-99	180	6020
			CA	117.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	25-AUG-99	180	6020M
			CD(D)	<.005	ppm	KB	25-AUG-99	180	6020
			CL-	273.	ppm	JN	25-AUG-99	28	325.2
L991377-004	02-AUG-99	EPRI-9908-100	CO3	<1.0	ppm CaCO3	DC	05-AUG-99	310.1	
			COND.	2440.	umhos/cm2	BD	06-AUG-99	28	120.1
			CR	<.010	ppm	KB	25-AUG-99	180	6020M
			CR(D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99	180	6020M
			CU(D)	<.025	ppm	KB	25-AUG-99	180	6020
			F-	1.1	ppm	BD	25-AUG-99	180	6020
			FE	2.2	ppm	BD	25-AUG-99	28	340.2
			FE(D)	.90	ppm	BD	26-AUG-99	180	236.1
			HCO3	329.	ppm	MK	25-AUG-99	180	6010
			K	16.	ppm CaCO3	DC	05-AUG-99	14	310.1
			MG	30.	ppm	MK	23-AUG-99	180	6010
			NA	350.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	.076	ppm	BD	26-AUG-99	180	273.1
			PB	.015	ppm	JN	13-AUG-99	28	353.2
			PB(D)	<.003	ppm	KB	25-AUG-99	180	6020M
			PH	7.8	pH	DC	05-AUG-99	150.1	
			SE	<.005	ppm	KB	25-AUG-99	180	6020M

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L991377-004	02-AUG-99	EPRI-9908-100	SE(D)	<.005	ppm	KB	25-AUG-99	180 6020
			SO4=	603.	ppm	JN	05-AUG-99	28 9036
			TDS	1650.	ppm	BD	06-AUG-99	7 160.1
			TSS	358.	ppm	BD	06-AUG-99	160.2
			ZN	.025	ppm	KB	25-AUG-99	180 6020M
			ZN(D)	<.020	ppm	KB	25-AUG-99	180 6020
			AS	.057	ppm	KB	25-AUG-99	180 6020M
			AS(D)	.061	ppm	KB	25-AUG-99	180 6020
			CA	87.	ppm	MK	23-AUG-99	180 6010
			CD	<.005	ppm	KB	25-AUG-99	180 6020M
L991377-005	02-AUG-99	EPRI-9908-101	CD(D)	<.005	ppm	KB	25-AUG-99	180 6020
			CL-	352.	ppm	JN	25-AUG-99	28 325.2
			CO3	<1.0	ppm CaCO3	DC	05-AUG-99	310.1
			COND.	3300.	umhos/cm2	BD	06-AUG-99	28 120.1
			CR	<.010	ppm	KB	25-AUG-99	180 6020M
			CR(D)	.012	ppm	KB	25-AUG-99	180 6020
			CU	<.025	ppm	KB	25-AUG-99	6020M
			CU(D)	<.025	ppm	KB	25-AUG-99	180 6020
			F-	2.9	ppm	BD	25-AUG-99	28 340.2
			FE	1.5	ppm	BD	26-AUG-99	180 236.1
			FE(D)	.10	ppm	MK	25-AUG-99	180 6010
			HCO3	609.	ppm CaCO3	DC	05-AUG-99	14 310.1
			K	11.	ppm	MK	23-AUG-99	180 6010
			MG	36.	ppm	MK	23-AUG-99	180 6010
			NA	550.	ppm	BD	26-AUG-99	180 273.1
			NO2/NO3	<.050	ppm	JN	12-AUG-99	28 353.2
			PB	.018	ppm	KB	25-AUG-99	180 6020M
			PB(D)	<.003	ppm	KB	25-AUG-99	180 6020
			PH	7.9	pH	DC	05-AUG-99	150.1
			SE	.005	ppm	KB	25-AUG-99	180 6020M
			SE(D)	<.005	ppm	KB	25-AUG-99	180 6020
			SO4=	577.	ppm	JN	05-AUG-99	28 9036
			TDS	2288.	ppm	BD	06-AUG-99	7 160.1
			TSS	149.	ppm	BD	06-AUG-99	160.2
			ZN	.057	ppm	KB	25-AUG-99	180 6020M
			ZN(D)	<.020	ppm	KB	25-AUG-99	180 6020

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L991377-006	02-AUG-99	EPRI-9908-102	AS	.027	ppm	KB	25-AUG-99	180	6020M
			AS(D)	.021	ppm	KB	25-AUG-99	180	6020
			CA	409.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	25-AUG-99	180	6020M
			CD(D)	<.005	ppm	KB	25-AUG-99	180	6020
			CL-	1013.	ppm	JN	25-AUG-99	28	325.2
			CO3	34.	ppm CaCO3	DC	05-AUG-99		310.1
			COND.	7760.	umhos/cm2	BD	06-AUG-99	28	120.1
			CR	<.010	ppm	KB	25-AUG-99	180	6020M
			CR(D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99		6020M
			CU(D)	<.025	ppm	KB	25-AUG-99	180	6020
			F-	1.6	ppm	BD	25-AUG-99	28	340.2
			FE	.12	ppm	BD	26-AUG-99	180	236.1
			FE(D)	<.10	ppm	MK	25-AUG-99	180	6010
			HCO3	295.	ppm CaCO3	DC	05-AUG-99	14	310.1
			K	27.	ppm	MK	23-AUG-99	180	6010
			MG	143.	ppm	MK	23-AUG-99	180	6010
			NA	1100.	ppm	BD	26-AUG-99	180	273.1
			NO2/NO3	6.6	ppm	JN	12-AUG-99	28	353.2
			PB	<.003	ppm	KB	25-AUG-99	180	6020M
			PB(D)	<.003	ppm	KB	25-AUG-99	180	6020
			PH	8.4	PH	DC	05-AUG-99		150.1
			SE	.028	ppm	KB	25-AUG-99	180	6020M
			SE(D)	.043	ppm	KB	25-AUG-99	180	6020
			SO4=	2975.	ppm	JN	20-AUG-99	28	9036
			TDS	6252.	ppm	BD	06-AUG-99	7	160.1
			TSS	6.0	ppm	BD	06-AUG-99		160.2
			ZN	<.020	ppm	KB	25-AUG-99	180	6020M
			ZN(D)	<.020	ppm	KB	25-AUG-99	180	6020
L991377-007	02-AUG-99	EPRI-9908-103	AS	.063	ppm	KB	25-AUG-99	180	6020M
			AS(D)	.064	ppm	KB	25-AUG-99	180	6020
			CA	146.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	25-AUG-99	180	6020M
			CD(D)	<.005	ppm	KB	25-AUG-99	180	6020
			CL-	467.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	05-AUG-99		310.1
			COND.	3790.	umhos/cm2	BD	06-AUG-99	28	120.1

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L991377-007	02-AUG-99	EPRI-9908-103	CR	<.010	ppm	KB	25-AUG-99	180	6020M
			CR(D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99		6020M
			CU(D)	<.025	ppm	KB	25-AUG-99	180	6020
			F-	1.7	ppm	BD	25-AUG-99	28	340.2
			FE	1.6	ppm	BD	25-AUG-99	180	236.1
			FE(D)	1.5	ppm	MK	25-AUG-99	180	6010
			HCO3	300.	ppm	DC	05-AUG-99	14	310.1
			K	11.	ppm	MK	23-AUG-99	180	6010
			MG	47.	ppm	MK	23-AUG-99	180	6010
			NA	500.	ppm	BD	26-AUG-99	180	273.1
			NO2/NO3	13	ppm	JN	12-AUG-99	28	353.2
			PB	<.003	ppm	KB	25-AUG-99	180	6020M
			PB(D)	<.003	ppm	KB	25-AUG-99	180	6020
			PH	7.7	pH	DC	05-AUG-99		150.1
			SE	<.005	ppm	KB	25-AUG-99	180	6020M
			SE(D)	<.005	ppm	KB	25-AUG-99	180	6020
			SO4=	907.	ppm	JN	05-AUG-99	28	9036
			TDS	2664.	ppm	BD	06-AUG-99	7	160.1
			TSS	15.	ppm	BD	06-AUG-99		160.2
			ZN	<.020	ppm	KB	25-AUG-99	180	6020M
			ZN(D)	<.020	ppm	KB	25-AUG-99	180	6020
L991377-008	02-AUG-99	EPRI-9908-193	AS	<.005	ppm	KB	25-AUG-99	180	6020M
			AS(D)	<.005	ppm	KB	25-AUG-99	180	6020
			CA	<1.0	ppm	MK	23-AUG-99	180	6010
			CU	<.005	ppm	KB	25-AUG-99	180	6020M
			CD(D)	<.005	ppm	KB	25-AUG-99	180	6020
			CL-	1.3	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	DC	05-AUG-99		310.1
			COND.	<5.0	unhos/cm2	BD	06-AUG-99	28	120.1
			CR	<.010	ppm	KB	25-AUG-99	180	6020M
			CR(D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99		6020M
			CU(D)	<.025	ppm	KB	25-AUG-99	180	6020
			F-	<.050	ppm	BD	25-AUG-99	28	340.2
			FE	<.10	ppm	BD	26-AUG-99	180	236.1
			FE(D)	<.10	ppm	MK	25-AUG-99	180	6010
			HCO3	<1.0	ppm	DC	05-AUG-99	14	310.1
					ppm	CaCO3			
					ppm				
					ppm				
					ppm				

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	MOYD DAYS	METHOD
L991377-008	02-AUG-99	EPRI-9908-193	K	<2.0	ppm	MK	23-AUG-99	180	6010
			MG	<1.0	ppm	MK	23-AUG-99	180	6010
			NA	<2.0	ppm	BD	26-AUG-99	180	273.1
			NO2/NO3	.055	ppm	JN	12-AUG-99	28	353.2
			PB	.004	ppm	KB	25-AUG-99	180	6020M
			PB (D)	<.003	ppm	KB	25-AUG-99	180	6020
			PH	6.0	pH	DC	05-AUG-99	150.1	
			SE	<.005	ppm	KB	25-AUG-99	180	6020M
			SE (D)	<.005	ppm	KB	25-AUG-99	180	6020
			SO4=	2.4	ppm	JN	06-AUG-99	28	9036
			TDS	<10.	ppm	BD	06-AUG-99	7	160.1
			TSS	1.1	ppm	BD	06-AUG-99		160.2
			ZN	<.020	ppm	KB	25-AUG-99	180	6020M
			ZN (D)	<.020	ppm	KB	25-AUG-99	180	6020
			AS	38.	ppm	KB	25-AUG-99	180	6020M
			AS (D)	39.	ppm	KB	25-AUG-99	180	6020
			CA	354.	ppm	MK	23-AUG-99	180	6010
			CD	.66	ppm	KB	25-AUG-99	180	6020M
			CD (D)	.66	ppm	KB	25-AUG-99	180	6020
			CL-	770.	ppm	JN	25-AUG-99	28	325.2
L991377-009	03-AUG-99	EPRI-9908-105	CO3	<1.0	ppm	DC	05-AUG-99		310.1
			COND.	11280.	umbos/cm2	BD	06-AUG-99	28	120.1
			CR	<.010	ppm	KB	25-AUG-99	180	6020M
			CR (D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	.053	ppm	KB	25-AUG-99		6020M
			CU (D)	.048	ppm	KB	25-AUG-99	180	6020
			F-	1.5	ppm	BD	25-AUG-99	28	340.2
			FE	.40	ppm	BD	25-AUG-99	180	236.1
			FE (D)	<.10	ppm	BD	26-AUG-99	180	6010
			HCO3	334.	ppm	MK	25-AUG-99	180	6010
			K	77.	ppm	DC	05-AUG-99	14	310.1
			MG	62.	ppm	MK	23-AUG-99	180	6010
			NA	2000.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	96.	ppm	BD	26-AUG-99	180	273.1
			PB	.009	ppm	JN	12-AUG-99	28	353.2
			PB (D)	<.003	ppm	KB	25-AUG-99	180	6020M
			PH	7.5	pH	KB	25-AUG-99	180	6020
			SE	5.7	ppm	DC	05-AUG-99	150.1	
					ppm	KB	25-AUG-99	180	6020M

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L991377-009	03-AUG-99	EPRI-9908-105	SE(D)	5.9	ppm	KB	25-AUG-99	180	6020
			SO4=	4734.	ppm	JN	20-AUG-99	28	9036
			TDS	9509.	ppm	BD	06-AUG-99	7	160.1
			TSS	4.3	ppm	BD	06-AUG-99	160.2	
			ZN	.068	ppm	KB	25-AUG-99	180	6020M
			ZN(D)	.067	ppm	KB	25-AUG-99	180	6020
			AS	2.1	ppm	KB	25-AUG-99	180	6020M
			AS(D)	2.1	ppm	KB	25-AUG-99	180	6020
			CA	244.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	25-AUG-99	180	6020M
L991377-010	03-AUG-99	EPRI-9908-106	CD(D)	<.005	ppm	KB	25-AUG-99	180	6020
			CL-	358.	ppm	JN	22-OCT-99	28	325.2
			CO3	<1.0	ppm	DC	05-AUG-99	310.1	
			COND.	4300.	umhos/cm2	BD	06-AUG-99	28	120.1
			CR	<.010	ppm	KB	25-AUG-99	180	6020M
			CR(D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99	6020M	
			CU(D)	<.025	ppm	KB	25-AUG-99	180	6020
			F-	2.0	ppm	BD	25-AUG-99	28	340.2
			FE	.90	ppm	BD	26-AUG-99	180	236.1
			FE(D)	.57	ppm	MK	25-AUG-99	180	6010
			HCO3	509.	ppm	DC	05-AUG-99	14	310.1
			K	44.	ppm	MK	23-AUG-99	180	6010
			MG	67.	ppm	MK	23-AUG-99	180	6010
			NA	550.	ppm	BD	26-AUG-99	180	273.1
			NO2/NO3	31.	ppm	JN	12-AUG-99	28	353.2
			PB	.008	ppm	KB	25-AUG-99	180	6020M
			PB(D)	<.003	ppm	KB	25-AUG-99	180	6020
			PH	7.5	PH	DC	05-AUG-99	150.1	
			SE	.19	ppm	KB	25-AUG-99	180	6020M
			SE(D)	.22	ppm	KB	25-AUG-99	180	6020
			SO4=	1229.	ppm	JN	05-AUG-99	28	9036
			TDS	3349.	ppm	BD	06-AUG-99	7	160.1
			TSS	16.	ppm	BD	06-AUG-99	160.2	
			ZN	.055	ppm	KB	25-AUG-99	180	6020M
			ZN(D)	.038	ppm	KB	25-AUG-99	180	6020

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L991377-011	03-AUG-99	EPRI-9908-107	AS	.014	ppm	KB	25-AUG-99	180	6020M
			AS (D)	.012	ppm	KB	25-AUG-99	180	6020
			CA	217.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	25-AUG-99	180	6020M
			CD (D)	<.005	ppm	KB	25-AUG-99	180	6020
			CL-	452.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	DC	05-AUG-99	310.1	
			COND.	4460.	umhos/cm2	BD	06-AUG-99	28	120.1
			CR	<.010	ppm	KB	25-AUG-99	180	6020M
			CR (D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99	180	6020M
			CU (D)	<.025	ppm	KB	25-AUG-99	180	6020
			F-	.73	ppm	BD	25-AUG-99	28	340.2
			FE	.74	ppm	BD	26-AUG-99	180	236.1
			FE (D)	<.10	ppm	MK	25-AUG-99	180	6010
			HCO3	242.	ppm	DC	05-AUG-99	14	310.1
			K	12.	ppm	MK	23-AUG-99	180	6010
			MG	76.	ppm	MK	23-AUG-99	180	6010
			NA	600.	ppm	BD	26-AUG-99	180	273.1
			NO2/NO3	32.	ppm	JN	12-AUG-99	28	353.2
			PB	<.003	ppm	KB	25-AUG-99	180	6020M
			PB (D)	<.003	ppm	KB	25-AUG-99	180	6020
			PH	7.5	pH	DC	05-AUG-99	150.1	
			SE	.15	ppm	KB	25-AUG-99	180	6020M
			SE (D)	.17	ppm	KB	25-AUG-99	180	6020
			SO4=	1233.	ppm	JN	05-AUG-99	28	9036
			TDS	3400.	ppm	BD	06-AUG-99	7	160.1
			TSS	83.	ppm	BD	06-AUG-99	160.2	
			ZN	.021	ppm	KB	25-AUG-99	180	6020M
			ZN (D)	<.020	ppm	KB	25-AUG-99	180	6020
L991377-012	03-AUG-99	EPRI-9908-194	AS	.014	ppm	KB	25-AUG-99	180	6020M
			AS (D)	.012	ppm	KB	25-AUG-99	180	6020
			CA	220.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	25-AUG-99	180	6020M
			CD (D)	<.005	ppm	KB	25-AUG-99	180	6020
			CL-	432.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	DC	05-AUG-99	310.1	
			COND.	4460.	umhos/cm2	BD	06-AUG-99	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L991377

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		SOLID OAYS METHOD
							ANALYZED	DATE	
L991377-012	03-AUG-99	EPRI-9908-194	CR	<.010	ppm	KB	25-AUG-99	180	6020M
			CR(D)	<.010	ppm	KB	25-AUG-99	180	6020
			CU	<.025	ppm	KB	25-AUG-99		6020M
			CU(D)	<.025	ppm	KB	25-AUG-99	180	6020
			F-	.74	ppm	BD	25-AUG-99	28	340.2
			FE	.74	ppm	BD	26-AUG-99	180	236.1
			FE(D)	<.10	ppm	MK	25-AUG-99	180	6010
			HCO3	244.	ppm	DC	05-AUG-99	14	310.1
			K	12.	ppm	MK	23-AUG-99	180	6010
			MG	78.	ppm	MK	23-AUG-99	180	6010
			NA	600.	ppm	BD	26-AUG-99	180	273.1
			NO2/NO3	30.	ppm	JN	12-AUG-99	28	353.2
			PB	<.003	ppm	KB	25-AUG-99	180	6020M
			PB(D)	<.003	ppm	KB	25-AUG-99	180	6020
			PH	7.6	pH	DC	05-AUG-99		150.1
			SE	.15	ppm	KB	25-AUG-99	180	6020M
			SE(D)	.17	ppm	KB	25-AUG-99	180	6020
			SO4=	1363.	ppm	JN	05-AUG-99	28	9036
			TDS	3408.	ppm	BD	06-AUG-99	7	160.1
			TSS	49.	ppm	BD	06-AUG-99		160.2
			ZN	.022	ppm	KB	25-AUG-99	180	6020M
			ZN(D)	<.020	ppm	KB	25-AUG-99	180	6020

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

Approved

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990849

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990849-1		Matrix Spike	AS	96	%Recovery	KB	25-AUG-99		6020M
			AS (D)	101	%Recovery	KB	25-AUG-99		6020
			CD	84	%Recovery	KB	25-AUG-99		6020M
			CD (D)	85	%Recovery	KB	25-AUG-99		6020
			CL-	100	%Recovery	JN	25-AUG-99		325.2
			CR	96	%Recovery	KB	25-AUG-99		6020M
			CR (D)	95	%Recovery	KB	25-AUG-99		6020
			CU	84	%Recovery	KB	25-AUG-99		6020M
			CU (D)	85	%Recovery	KB	25-AUG-99		6020
			F-	99	%Recovery	BD	25-AUG-99		340.2
			FE	104	%Recovery	BD	25-AUG-99		236.1
			FE (D)	109	%Recovery	MX	25-AUG-99		6010
			NO2/NO3	90	%Recovery	JN	12-AUG-99		353.2
			PB	88	%Recovery	KB	25-AUG-99		6020M
			PB (D)	84	%Recovery	KB	25-AUG-99		6020
			SE	SR>4xSA	%Recovery	KB	25-AUG-99		6020M
			SE (D)	SR>4xSA	%Recovery	KB	25-AUG-99		6020
			SO4=	93	%Recovery	JN	05-AUG-99		9036
			ZN	78	%Recovery	KB	25-AUG-99		6020M
			ZN (D)	79	%Recovery	KB	25-AUG-99		6020
WG990849-2		Prep Blank	AS	<.005	ppm	KB	25-AUG-99		6020M
			AS (D)	<.005	ppm	KB	25-AUG-99		6020
			CA	<1.0	ppm	MX	23-AUG-99		6010
			CD	<.005	ppm	KB	25-AUG-99		6020M
			CD (D)	<.005	ppm	KB	25-AUG-99		6020
			CL-	<1.0	ppm	JN	25-AUG-99		325.2
			CO3	<1.0	ppm	CaCO3	05-AUG-99		310.1
			COND.	<5.0	umhos/cm2	BD	06-AUG-99		120.1
			CR	<.010	ppm	KB	25-AUG-99		6020M
			CR (D)	<.010	ppm	KB	25-AUG-99		6020
			CU	<.025	ppm	KB	25-AUG-99		6020M
			CU (D)	<.025	ppm	KB	25-AUG-99		6020
			F-	<.050	ppm	BD	25-AUG-99		340.2
			FE	<.10	ppm	BD	25-AUG-99		236.1
			FE (D)	<.10	ppm	MX	25-AUG-99		6010
			HCO3	<1.0	ppm	CaCO3	05-AUG-99		310.1
			K	<2.0	ppm	MX	23-AUG-99		6010
			MG	<1.0	ppm	MX	23-AUG-99		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990849

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG990849-2		Prep Blank	NA	<2.0	ppm	BD	26-AUG-99		273.1
			NO2/NO3	<.050	ppm	JN	12-AUG-99		353.2
			PB	<.003	ppm	KB	25-AUG-99		6020M
			PB(D)	<.003	ppm	KB	25-AUG-99		6020
			PH	5.5	pH	DC	05-AUG-99		150.1
			SE	<.005	ppm	KB	25-AUG-99		6020M
			SE(D)	<.005	ppm	KB	25-AUG-99		6020
			SO4=	<2.0	ppm	JN	05-AUG-99		9036
			TDS	<10.	ppm	BD	06-AUG-99		160.1
			TSS	<1.0	ppm	BD	06-AUG-99		160.2
			ZN	<.020	ppm	KB	25-AUG-99		6020M
			ZN(D)	<.020	ppm	KB	25-AUG-99		6020
			AS	102	%Recovery	KB	25-AUG-99		6020M
			AS(D)	103	%Recovery	KB	25-AUG-99		6020
			CA	98	%Recovery	MK	23-AUG-99		6010
			CD	100	%Recovery	KB	25-AUG-99		6020M
			CD(D)	100	%Recovery	KB	25-AUG-99		6020
WG990849-3		Lab Control Sample	CL-	98	%Recovery	JN	25-AUG-99		325.2
			COND.	99	%Recovery	BD	06-AUG-99		120.1
			CR	107	%Recovery	KB	25-AUG-99		6020M
			CR(D)	101	%Recovery	KB	25-AUG-99		6020
			CU	100	%Recovery	KB	25-AUG-99		6020M
			CU(D)	98	%Recovery	KB	25-AUG-99		6020
			F-	99	%Recovery	BD	25-AUG-99		340.2
			FE	88	%Recovery	BD	26-AUG-99		236.1
			FE(D)	106	%Recovery	MK	25-AUG-99		6010
			HCO3	98	%Recovery	DC	05-AUG-99		310.1
			K	99	%Recovery	MK	23-AUG-99		6010
			MG	96	%Recovery	MK	23-AUG-99		6010
			NA	90	%Recovery	BD	26-AUG-99		273.1
			NO2/NO3	98	%Recovery	JN	12-AUG-99		353.2
			PB	101	%Recovery	KB	25-AUG-99		6020M
			PB(D)	98	%Recovery	KB	25-AUG-99		6020
			PH	99	%Recovery	DC	05-AUG-99		150.1
			SE	103	%Recovery	KB	25-AUG-99		6020M
			SE(D)	110	%Recovery	KB	25-AUG-99		6020
			SO4=	94	%Recovery	JN	05-AUG-99		9036
			TDS	94	%Recovery	BD	06-AUG-99		160.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990849

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	MOID
WG990849-3		Lab Control Sample	TSS	97	% Recovery	BD	06-AUG-99	160.2
			ZN	125	% Recovery	KB	25-AUG-99	6020M
			ZN(D)	98	% Recovery	KB	25-AUG-99	6020
WG990849-4		Duplicate	AS	2.2	% RPD	KB	25-AUG-99	6020M
			AS(D)	<1	% RPD	KB	25-AUG-99	6020
			CA	6.9	% RPD	MK	23-AUG-99	6010
			CD	<1	% RPD	KB	25-AUG-99	6020M
			CD(D)	<1	% RPD	KB	25-AUG-99	6020
			CL-	2.7	% RPD	JN	25-AUG-99	325.2
			CO3	<1	% RPD	DC	05-AUG-99	310.1
			COND.	<1	% RPD	BD	06-AUG-99	120.1
			CR	<1	% RPD	KB	25-AUG-99	6020M
			CR(D)	<1	% RPD	KB	25-AUG-99	6020
			CU	+/-prdl	% RPD	KB	25-AUG-99	6020M
			CU(D)	<1	% RPD	KB	25-AUG-99	6020
			F-	7.3	% RPD	BD	25-AUG-99	340.2
			FE	<1	% RPD	BD	26-AUG-99	236.1
			FE(D)	<1	% RPD	MK	25-AUG-99	6010
			HCO3	<1	% RPD	DC	05-AUG-99	310.1
			K	1.9	% RPD	MK	23-AUG-99	6010
			MG	7.2	% RPD	MK	23-AUG-99	6010
			NA	<1	% RPD	BD	26-AUG-99	273.1
			NO2/NO3	<1	% RPD	JN	12-AUG-99	353.2
			PB	+/-prdl	% RPD	KB	25-AUG-99	6020M
			PB(D)	<1	% RPD	KB	25-AUG-99	6020
			PH	<1	% RPD	DC	05-AUG-99	150.1
			SE	3.1	% RPD	KB	25-AUG-99	6020M
			SE(D)	<1	% RPD	KB	25-AUG-99	6020
			SO4=	1.0	% RPD	JN	05-AUG-99	9036
			TDS	12	% RPD	BD	06-AUG-99	160.1
			TSS	2.8	% RPD	BD	06-AUG-99	160.2
			ZN	6.3	% RPD	KB	25-AUG-99	6020M
			ZN(D)	<1	% RPD	KB	25-AUG-99	6020
WG990849-5		Practical Quantitation Limit	AS	.005	ppm			6020M
			AS(D)	.005	ppm			6020
			CA	1.0	ppm			6010
			CD	.005	ppm			6020M

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG990849

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
WG990849-5		Practical Quantitation Limit						
			CD (D)	.005	ppm			6020
			CL-	1.0	ppm			325.2
			CO3	1.0	ppm CaCO3			310.1
			COND.	5.0	umhos/cm2			120.1
			CR	.010	ppm			6020M
			CR (D)	.010	ppm			6020
			CU	.025	ppm			6020M
			CU (D)	.025	ppm			6020
			F-	.050	ppm			340.2
			FE	.10	ppm			236.1
			FE (D)	.10	ppm			6010
			HCO3	1.0	ppm CaCO3			310.1
			K	2.0	ppm			6010
			MG	1.0	ppm			6010
			NA	2.0	ppm			273.1
			NO2/NO3	.050	ppm			353.2
			PB	.003	ppm			6020M
			PB (D)	.003	ppm			6020
			SE	.005	ppm			6020M
			SE (D)	.005	ppm			6020
			SO4=	2.0	ppm			9036
			TDS	10.	ppm			160.1
			TSS	1.0	ppm			160.2
			ZN	.020	ppm			6020M
			ZN (D)	.020	ppm			6020

Vince Bell

Approved

Vince Bell

Reviewer

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (602) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

Signature

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No.: L991393

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L991393-001	03-AUG-99	EPRI-9908-127	AS	2.7	ppm	KB	26-AUG-99	180	6020
			AS(D)	2.8	ppm	KB	27-AUG-99	180	6020
			CA	189.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	422.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	17-AUG-99		310.1
			COND.	4920.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	.012	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	5.2	ppm	BD	26-AUG-99	28	340.2
			FE	.22	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	302.	ppm CaCO3	DC	17-AUG-99	14	310.1
			K	95.	ppm	MK	23-AUG-99	180	6010
			MG	96.	ppm	MK	23-AUG-99	180	6010
			NA	809.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	12.	ppm	JN	16-AUG-99	28	353.2
			PB	<.003	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.4	pH	DC	17-AUG-99		150.1
			SE	.28	ppm	KB	26-AUG-99	180	6020
			SE(D)	.31	ppm	KB	27-AUG-99	180	6020
			SO4=	1871.	ppm	JN	06-AUG-99	28	9036
			TDS	3779.	ppm	BD	09-AUG-99	7	160.1
			TSS	4.6	ppm	BD	06-AUG-99		160.2
			ZN	<.020	ppm	KB	26-AUG-99	180	6020
			ZN(D)	.020	ppm	KB	27-AUG-99	180	6020
L991393-002	03-AUG-99	EPRI-9908-132	AS	.038	ppm	KB	26-AUG-99	180	6020
			AS(D)	.036	ppm	KB	27-AUG-99	180	6020
			CA	332.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	594.	ppm CaCO3	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm umhos/cm2	DC	17-AUG-99		310.1
			COND.	8380.		BD	09-AUG-99	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L991393

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L991393-002	03-AUG-99	EPRI-9908-132	CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	1.9	ppm	KB	26-AUG-99	28	340.2
			FE	.51	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	253.	ppm	DC	17-AUG-99	14	310.1
			K	18.	ppm	MK	23-AUG-99	180	6010
			MG	113.	ppm	MK	23-AUG-99	180	6010
			NA	1578.	ppm	BD	10-SEP-99	180	6010
			NO2/NO3	77.	ppm	JN	16-AUG-99	28	353.2
			PB	<.003	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.8	pH	DC	17-AUG-99		150.1
			SE	.48	ppm	KB	26-AUG-99	180	6020
			SE(D)	.51	ppm	KB	27-AUG-99	180	6020
			SO4=	4129.	ppm	JN	06-AUG-99	28	9036
			TDS	6922.	ppm	BD	09-AUG-99	7	160.1
			TSS	11.	ppm	BD	06-AUG-99		160.2
			ZN	.027	ppm	KB	26-AUG-99	180	6020
			ZN(D)	.026	ppm	KB	27-AUG-99	180	6020
L991393-003	03-AUG-99	EPRI-9908-130	AS	.75	ppm	KB	26-AUG-99	180	6020
			AS(D)	.77	ppm	KB	27-AUG-99	180	6020
			CA	161.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	382.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	DC	17-AUG-99		310.1
			COND.	4410.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	3.2	ppm	BD	26-AUG-99	28	340.2
			FE	.14	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	296.	ppm	DC	17-AUG-99	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L991393

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	TEST METHOD
L991393-003	03-AUG-99	EPRI-9908-130	K	54.	ppm	MK	23-AUG-99	180	6010
			MG	80.	ppm	MK	23-AUG-99	180	6010
			NA	690.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	5.5	ppm	JN	13-AUG-99	28	353.2
			PB	<.003	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.4	pH	DC	17-AUG-99		150.1
			SE	.29	ppm	KB	26-AUG-99	180	6020
			SE(D)	.31	ppm	KB	27-AUG-99	180	6020
			SO4=	1519.	ppm	JN	06-AUG-99	28	9036
			TDS	3315.	ppm	BD	09-AUG-99	7	160.1
			TSS	2.2	ppm	BD	06-AUG-99		160.2
			ZN	.031	ppm	KB	26-AUG-99	180	6020
			ZN(D)	.028	ppm	KB	27-AUG-99	180	6020
			AS	.022	ppm	KB	26-AUG-99	180	6020
			AS(D)	.021	ppm	KB	27-AUG-99	180	6020
			CA	261.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	893.	ppm	JN	25-AUG-99	28	325.2
L991393-004	03-AUG-99	EPRI-9908-131	CO3	<1.0	ppm	CaCO3	17-AUG-99		310.1
			COND.	8140.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	.012	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	2.1	ppm	BD	26-AUG-99	28	340.2
			FE	.55	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	360.	ppm	CaCO3	17-AUG-99	14	310.1
			K	35.	ppm	DC	23-AUG-99	180	6010
			MG	172.	ppm	MK	23-AUG-99	180	6010
			NA	1420.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	7.6	ppm	JN	16-AUG-99	28	353.2
			PB	.007	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.1	pH	DC	17-AUG-99		150.1
			SE	.24	ppm	KB	26-AUG-99	180	6020

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L991393-004	03-AUG-99	EPRI-9908-131	SE(D)	.23	ppm	KB	27-AUG-99	180	6020	
			SO4=	3102.	ppm	JN	06-AUG-99	28	9036	
			TDS	6267.	ppm	BD	09-AUG-99	7	160.1	
			TSS	8.3	ppm	BD	06-AUG-99		160.2	
			ZN	.041	ppm	KB	26-AUG-99	180	6020	
			ZN(D)	.023	ppm	KB	27-AUG-99	180	6020	
			AS	.008	ppm	KB	26-AUG-99	180	6020	
			AS(D)	.006	ppm	KB	27-AUG-99	180	6020	
			CA	545.	ppm	MK	23-AUG-99	180	6010	
			CD	<.005	ppm	KB	26-AUG-99	180	6020	
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020	
			CL-	1073.	ppm	JN	25-AUG-99	28	325.2	
L991393-005	03-AUG-99	EPRI-9908-128	COND.	<1.0	ppm CaCO3	DC	17-AUG-99		310.1	
			CR	8570.	umhos/cm2	BD	09-AUG-99	28	120.1	
			CR(D)	.050	ppm	KB	26-AUG-99	180	6020	
			CU	<.010	ppm	KB	27-AUG-99	180	6020	
			CU(D)	<.025	ppm	KB	26-AUG-99	180	6020	
			F-	<.025	ppm	KB	27-AUG-99	180	6020	
			FE	1.7	ppm	BD	26-AUG-99	28	340.2	
			FE(D)	.46	ppm	MK	23-AUG-99	180	6010	
			FE(D)	.18	ppm	MK	23-AUG-99	180	6010	
			HCO3	245.	ppm	DC	17-AUG-99	14	310.1	
			K	15.	ppm CaCO3	DC	23-AUG-99	180	6010	
			MG	222.	ppm	MK	23-AUG-99	180	6010	
			NA	1233.	ppm	MK	23-AUG-99	180	6010	
			NO2/NO3	68.	ppm	JN	13-AUG-99	28	353.2	
			PB	<.003	ppm	KB	26-AUG-99	180	6020	
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020	
			PH	7.6	pH	DC	17-AUG-99		150.1	
			SE	.21	ppm	KB	26-AUG-99	180	6020	
			SE(D)	.22	ppm	KB	27-AUG-99	180	6020	
			SO4=	3184.	ppm	JN	06-AUG-99	28	9036	
			TDS	7299.	ppm	BD	09-AUG-99	7	160.1	
			TSS	2.5	ppm	BD	06-AUG-99		160.2	
			ZN	.029	ppm	KB	26-AUG-99	180	6020	
			ZN(D)	<.020	ppm	KB	27-AUG-99	180	6020	

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L991393-006 03-AUG-99 EPRI-9908-195									
			AS	<.005	ppm	KB	26-AUG-99	180	6020
			AS(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CA	<1.0	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	<1.0	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	17-AUG-99		310.1
			COND.	<5.0	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	<.050	ppm	BD	26-AUG-99	28	340.2
			FE	<.10	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	<1.0	ppm CaCO3	DC	17-AUG-99	14	310.1
			K	<5.0	ppm	MK	23-AUG-99	180	6010
			MG	<1.0	ppm	MK	23-AUG-99	180	6010
			NA	<5.0	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	<.050	ppm	JN	13-AUG-99	28	353.2
			PB	<.003	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	6.1	pH	DC	17-AUG-99		150.1
			SE	<.005	ppm	KB	26-AUG-99	180	6020
			SE(D)	<.005	ppm	KB	27-AUG-99	180	6020
			SO4=	<2.0	ppm	JN	06-AUG-99	28	9036
			TDS	<10.	ppm	BD	09-AUG-99	7	160.1
			TSS	<1.0	ppm	DC	09-AUG-99		160.2
			ZN	<.020	ppm	KB	26-AUG-99	180	6020
			ZN(D)	<.020	ppm	KB	27-AUG-99	180	6020
L991393-007 04-AUG-99 EPRI-9908-134									
			AS	9.6	ppm	KB	26-AUG-99	180	6020
			AS(D)	10.	ppm	KB	27-AUG-99	180	6020
			CA	594.	ppm	MK	23-AUG-99	180	6010
			CD	.012	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	564.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	17-AUG-99		310.1
			COND.	8000.	umhos/cm2	BD	09-AUG-99	28	120.1

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L991393-007	04-AUG-99	EPRI-9908-134	CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR (D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	.026	ppm	KB	26-AUG-99		6020
			CU (D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	3.7	ppm	BD	26-AUG-99	28	340.2
			FE	.22	ppm	MK	23-AUG-99	180	6010
			FE (D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	400.	ppm	DC	17-AUG-99	14	310.1
			K	51.	ppm	CaCO3	23-AUG-99	180	6010
			MG	147.	ppm	MK	23-AUG-99	180	6010
			NA	1230.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	47.	ppm	JN	13-AUG-99	28	353.2
			PB	.004	ppm	KB	26-AUG-99	180	6020
			PB (D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.8	pH	DC	17-AUG-99		150.1
			SE	.28	ppm	KB	26-AUG-99	180	6020
			SE (D)	.28	ppm	KB	27-AUG-99	180	6020
			SO4=	3404.	ppm	JN	06-AUG-99	28	9036
			TDS	6952.	ppm	BD	09-AUG-99	7	160.1
			TSS	8.9	ppm	DC	09-AUG-99		160.2
			ZN	.045	ppm	KB	26-AUG-99	180	6020
			ZN (D)	.022	ppm	KB	27-AUG-99	180	6020
L991393-008	04-AUG-99	EPRI-9908-114	AS	.28	ppm	KB	26-AUG-99	180	6020
			AS (D)	.23	ppm	KB	27-AUG-99	180	6020
			CA	176.	ppm	MK	23-AUG-99	180	6010
			CD	2.5	ppm	KB	26-AUG-99	180	6020
			CD (D)	3.5	ppm	KB	27-AUG-99	180	6020
			CL-	147.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	CaCO3	17-AUG-99		310.1
			COND.	2000.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR (D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	.28	ppm	KB	26-AUG-99		6020
			CU (D)	.082	ppm	KB	27-AUG-99	180	6020
			F-	.66	ppm	BD	26-AUG-99	28	340.2
			FE	2.2	ppm	MK	23-AUG-99	180	6010
			FE (D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	45.	ppm	CaCO3	17-AUG-99	14	310.1

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							ANALYZED	DA'S	
L991393-008	04-AUG-99	EPRI-9908-114	K	21.	ppm	MK	23-AUG-99	180	6010
			MG	24.	ppm	MK	23-AUG-99	180	6010
			NA	204.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	14.	ppm	JN	13-AUG-99	28	353.2
			PB	.10	ppm	KB	26-AUG-99	180	6020
			PB(D)	.015	ppm	KB	27-AUG-99	180	6020
			PH	7.4	pH	DC	17-AUG-99		150.1
			SE	.56	ppm	KB	26-AUG-99	180	6020
			SE(D)	.64	ppm	KB	27-AUG-99	180	6020
			SO4=	738.	ppm	JN	06-AUG-99	28	9036
			TDS	1466.	ppm	BD	09-AUG-99	7	160.1
			TSS	29.	ppm	DC	09-AUG-99		160.2
			ZN	5.4	ppm	KB	26-AUG-99	180	6020
			ZN(D)	7.1	ppm	KB	27-AUG-99	180	6020
L991393-009	04-AUG-99	EPRI-9908-124	AS	2.2	ppm	KB	26-AUG-99	180	6020
			AS(D)	2.8	ppm	KB	27-AUG-99	180	6020
			CA	227.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	546.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	CaCO3	17-AUG-99		310.1
			COND.	5390.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	2.5	ppm	BD	26-AUG-99	28	340.2
			FE	2.9	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	237.	ppm	CaCO3	17-AUG-99	14	310.1
			K	28.	ppm	DC	23-AUG-99	180	6010
			MG	55.	ppm	MK	23-AUG-99	180	6010
			NA	928.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	.91	ppm	JN	16-AUG-99	28	353.2
			PB	.010	ppm	KB	26-AUG-99	180	6020
			PB(D)	.004	ppm	KB	27-AUG-99	180	6020
			PH	7.5	pH	DC	17-AUG-99		150.1
			SE	.024	ppm	KB	26-AUG-99	180	6020

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L991393-009	04-AUG-99	EPRI-9908-124	SE(D)	.026	ppm	KB	27-AUG-99	180	6020
			SO4=	2310.	ppm	JN	06-AUG-99	28	9036
			TDS	3978.	ppm	BD	09-AUG-99	7	160.1
			TSS	224.	ppm	DC	09-AUG-99		160.2
			ZN	.049	ppm	KB	26-AUG-99	180	6020
			ZN(D)	<.020	ppm	KB	27-AUG-99	180	6020
			AS	42.	ppm	KB	26-AUG-99	180	6020
			AS(D)	44.	ppm	MK	23-AUG-99	180	6010
			CA	330.	ppm	MK	23-AUG-99	180	6010
			CD	.46	ppm	KB	26-AUG-99	180	6020
			CD(D)	.46	ppm	KB	27-AUG-99	180	6020
			CL-	447.	ppm	JN	25-AUG-99	28	325.2
L991393-010	04-AUG-99	EPRI-9908-121	CO3	<1.0	ppm CaCO3	DC	17-AUG-99		310.1
			COND.	7190.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	5.6	ppm	BD	26-AUG-99	28	340.2
			FE	1.7	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	258.	ppm CaCO3	DC	17-AUG-99	14	310.1
			K	76.	ppm	MK	23-AUG-99	180	6010
			MG	96.	ppm	MK	23-AUG-99	180	6010
			NA	937.	ppm	BD	10-SEP-99	180	6010
			NO2/NO3	31.	ppm	JN	13-AUG-99	28	353.2
			PB	.004	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.1	pH	DC	17-AUG-99		150.1
			SE	.62	ppm	KB	26-AUG-99	180	6020
			SE(D)	.75	ppm	KB	27-AUG-99	180	6020
			SO4=	2905.	ppm	JN	06-AUG-99	28	9036
			TDS	5354.	ppm	BD	09-AUG-99	7	160.1
			TSS	428.	ppm	DC	09-AUG-99		160.2
			ZN	1.1	ppm	KB	26-AUG-99	180	6020
			ZN(D)	1.2	ppm	KB	27-AUG-99	180	6020

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L991393-011 04-AUG-99 EPRI-9908-119									
			AS	.37	ppm	KB	10-SEP-99	180	6020
			AS(D)	.44	ppm	KB	10-SEP-99	180	6020
			CA	590.	ppm	MK	23-AUG-99	180	6010
			CD	.035	ppm	KB	26-AUG-99	180	6020
			CD(D)	.034	ppm	KB	27-AUG-99	180	6020
			CL-	2357.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	17-AUG-99		310.1
			COND.	11040.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	.10	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	.051	ppm	KB	26-AUG-99		6020
			CU(D)	.049	ppm	KB	27-AUG-99	180	6020
			F-	1.8	ppm	BD	26-AUG-99	28	340.2
			FE	.31	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	187.	ppm	MK	23-AUG-99	180	6010
			K	39.	ppm CaCO3	DC	17-AUG-99	14	310.1
			MG	400.	ppm	MK	23-AUG-99	180	6010
			NA	1028.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	192.	ppm	MK	23-AUG-99	180	6010
			PB	.004	ppm	JN	13-AUG-99	28	353.2
			PB(D)	<.003	ppm	KB	26-AUG-99	180	6020
			PH	7.2	ppm	KB	27-AUG-99	180	6020
			SE	.23	pH	DC	17-AUG-99		150.1
			SE(D)	.23	ppm	KB	10-SEP-99	180	6020
			SO4=	2458.	ppm	KB	10-SEP-99	180	6020
			TDS	8470.	ppm	JN	06-AUG-99	28	9036
			TSS	22.	ppm	BD	09-AUG-99	7	160.1
			ZN	.35	ppm	DC	09-AUG-99		160.2
			ZN(D)	.35	ppm	KB	26-AUG-99	180	6020
					ppm	KB	27-AUG-99	180	6020
L991393-012 04-AUG-99 EPRI-9908-196									
			AS	.55	ppm	KB	26-AUG-99	180	6020
			AS(D)	.46	ppm	KB	27-AUG-99	180	6020
			CA	600.	ppm	MK	23-AUG-99	180	6010
			CD	.033	ppm	KB	26-AUG-99	180	6020
			CD(D)	.033	ppm	KB	27-AUG-99	180	6020
			CL-	2327.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	17-AUG-99		310.1
			COND.	11020.	umhos/cm2	BD	09-AUG-99	28	120.1

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L991393-012	04-AUG-99	EPRI-9908-196	CR	.51	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	.084	ppm	KB	26-AUG-99		6020
			CU(D)	.047	ppm	KB	27-AUG-99	180	6020
			F-	1.8	ppm	BD	26-AUG-99	28	340.2
			FE	1.3	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	179.	ppm	DC	17-AUG-99	14	310.1
			K	40.	ppm	MK	23-AUG-99	180	6010
			MG	400.	ppm	MK	23-AUG-99	180	6010
			NA	1068.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	227.	ppm	JN	13-AUG-99	28	353.2
			PB	.012	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.2	pH	DC	17-AUG-99		150.1
			SE	.24	ppm	KB	26-AUG-99	180	6020
			SE(D)	.24	ppm	KB	27-AUG-99	180	6020
			SO4=	2598.	ppm	JN	06-AUG-99	28	9036
			TDS	8498.	ppm	BD	09-AUG-99	7	160.1
			TSS	25.	ppm	DC	09-AUG-99		160.2
			ZN	.33	ppm	KB	26-AUG-99	180	6020
			ZN(D)	.34	ppm	KB	27-AUG-99	180	6020
L991393-013	04-AUG-99	EPRI-9908-122	AS	45.	ppm	MK	23-AUG-99	180	6010
			AS(D)	50.	ppm	MK	23-AUG-99	180	6010
			CA	497.	ppm	MK	23-AUG-99	180	6010
			CD	.47	ppm	MK	23-AUG-99	180	6010
			CD(D)	.49	ppm	MK	23-AUG-99	180	6010
			CL-	727.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	DC	17-AUG-99		310.1
			COND.	11000.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	.015	ppm	MK	23-AUG-99	180	6010
			CR(D)	<.010	ppm	MK	23-AUG-99	180	6010
			CU	.12	ppm	KB	26-AUG-99		6020
			CU(D)	.10	ppm	KB	26-AUG-99	180	6020
			F-	11.	ppm	BD	26-AUG-99	28	340.2
			FE	2.9	ppm	MK	23-AUG-99	180	6010
			FE(D)	.16	ppm	MK	23-AUG-99	180	6010
			HCO3	816.	ppm	DC	17-AUG-99	14	310.1

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L991393-013	04-AUG-99	EPRI-9908-122	K	330.	ppm	MK	23-AUG-99	180 6010
			MG	295.	ppm	MK	23-AUG-99	180 6010
			NA	1884.	ppm	BD	10-SEP-99	180 6010
			NO2/NO3	8.6	ppm	JN	16-AUG-99	28 353.2
			PB	.007	ppm	KB	26-AUG-99	180 6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180 6020
			PH	7.0	pH	DC	17-AUG-99	150.1
			SE	.13	ppm	KB	26-AUG-99	180 6020
			SE(D)	.17	ppm	KB	27-AUG-99	180 6020
			SO4=	4971.	ppm	JN	06-AUG-99	28 9036
			TDS	9098.	ppm	BD	09-AUG-99	7 160.1
			TSS	17.	ppm	DC	09-AUG-99	160.2
			ZN	9.4	ppm	MK	23-AUG-99	180 6010
			ZN(D)	9.8	ppm	KB	27-AUG-99	180 6020
L991393-014	04-AUG-99	EPRI-9908-111	AS	9.4	ppm	MK	23-AUG-99	180 6010
			AS(D)	8.8	ppm	MK	23-AUG-99	180 6010
			CA	49.	ppm	MK	23-AUG-99	180 6010
			CD	<.005	ppm	KB	26-AUG-99	180 6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180 6020
			CL-	257.	ppm	JN	25-AUG-99	28 325.2
			CO3	<1.0	ppm CaCO3	DC	17-AUG-99	310.1
			COND.	3750.	umhos/cm2	BD	09-AUG-99	28 120.1
			CR	<.010	ppm	KB	26-AUG-99	180 6020
			CR(D)	<.010	ppm	MK	23-AUG-99	180 6010
			CU	.039	ppm	KB	26-AUG-99	6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180 6020
			F-	4.2	ppm	BD	26-AUG-99	28 340.2
			FE	.78	ppm	MK	23-AUG-99	180 6010
			FE(D)	.49	ppm	MK	23-AUG-99	180 6010
			HCO3	628.	ppm	DC	17-AUG-99	14 310.1
			K	37.	ppm	MK	23-AUG-99	180 6010
			MG	31.	ppm	MK	23-AUG-99	180 6010
			NA	618.	ppm	BD	10-SEP-99	180 6010
			NO2/NO3	.10	ppm	JN	13-AUG-99	28 353.2
			PB	.020	ppm	KB	26-AUG-99	180 6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180 6020
			PH	7.8	pH	DC	17-AUG-99	150.1
			SE	.009	ppm	KB	26-AUG-99	180 6020

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L991393-014	04-AUG-99	EPRI-9908-111	SE(D)	<.005	ppm	KB	27-AUG-99	180	6020
			SO4=	838.	ppm	JN	06-AUG-99	28	9036
			TDS	2130.	ppm	BD	09-AUG-99	7	160.1
			TSS	23.	ppm	DC	09-AUG-99		160.2
			ZN	.099	ppm	KB	26-AUG-99	180	6020
			ZN(D)	<.020	ppm	KB	27-AUG-99	180	6020
			AS	<.005	ppm	KB	26-AUG-99	180	6020
			AS(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CA	<1.0	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
L991393-015	04-AUG-99	EPRI-9908-197	CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	<1.0	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm CaCO3	DC	17-AUG-99		310.1
			COND.	<5.0	umthos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99	180	6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	<.050	ppm	KB	27-AUG-99	180	6020
			FE	<.10	ppm	BD	26-AUG-99	28	340.2
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	<1.0	ppm	MK	23-AUG-99	180	6010
			K	<5.0	ppm CaCO3	DC	17-AUG-99	14	310.1
			MG	<1.0	ppm	MK	23-AUG-99	180	6010
			NA	<5.0	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	<.050	ppm	JN	23-AUG-99	180	6010
			PB	<.003	ppm	KB	13-AUG-99	28	353.2
			PB(D)	<.003	ppm	KB	26-AUG-99	180	6020
			PH	5.9	PH	DC	17-AUG-99		150.1
			SE	<.005	ppm	KB	26-AUG-99	180	6020
			SE(D)	<.005	ppm	KB	27-AUG-99	180	6020
			SO4=	<2.0	ppm	JN	06-AUG-99	28	9036
			TDS	<10.	ppm	BD	09-AUG-99	7	160.1
			TSS	5.5	ppm	DC	09-AUG-99		160.2
			ZN	<.020	ppm	KB	26-AUG-99	180	6020
			ZN(D)	<.020	ppm	KB	27-AUG-99	180	6020

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LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L991393-016	05-AUG-99	EPRI-9908-155	AS	.012	ppm	KB	26-AUG-99	180	6020
			AS(D)	.009	ppm	KB	27-AUG-99	180	6020
			CA	169.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	326.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	DC	17-AUG-99		310.1
			COND.	2850.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	.77	ppm	BD	26-AUG-99	28	340.2
			FE	<.10	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	14	310.1
			HCO3	212.	ppm	DC	17-AUG-99		6010
			K	19.	ppm	MK	23-AUG-99	180	6010
			MG	68.	ppm	MK	23-AUG-99	180	6010
			NA	326.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	9.8	ppm	JN	16-AUG-99	28	353.2
			PB	.005	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.9	PH	DC	17-AUG-99		150.1
			SE	.024	ppm	KB	26-AUG-99	180	6020
			SE(D)	.020	ppm	KB	27-AUG-99	180	6020
			SO4=	763.	ppm	JN	06-AUG-99	28	9036
			TDS	2030.	ppm	BD	09-AUG-99	7	160.1
			TSS	2.5	ppm	DC	09-AUG-99		160.2
			ZN	.029	ppm	KB	26-AUG-99	180	6020
			ZN(D)	.026	ppm	KB	27-AUG-99	180	6020
L991393-017	05-AUG-99	EPRI-9908-198	AS	.011	ppm	KB	26-AUG-99	180	6020
			AS(D)	.009	ppm	KB	27-AUG-99	180	6020
			CA	168.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL-	316.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	DC	17-AUG-99		310.1
			COND.	2860.	umhos/cm2	BD	09-AUG-99	28	120.1

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L991393-017	05-AUG-99	EPRI-9908-198	CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	.80	ppm	BD	26-AUG-99	28	340.2
			FE	<.10	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	214.	ppm	DC	17-AUG-99	14	310.1
			K	18.	ppm	MK	23-AUG-99	180	6010
			MG	67.	ppm	MK	23-AUG-99	180	6010
			NA	368.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	9.4	ppm	JN	16-AUG-99	28	353.2
			PB	.004	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	8.0	PH	DC	17-AUG-99		150.1
			SE	.024	ppm	KB	26-AUG-99	180	6020
			SE(D)	.019	ppm	KB	27-AUG-99	180	6020
			SO4=	811.	ppm	JN	06-AUG-99	28	9036
			TDS	2045.	ppm	BD	09-AUG-99	7	160.1
			TSS	8.1	ppm	DC	09-AUG-99		160.2
			ZN	.025	ppm	KB	26-AUG-99	180	6020
			ZN(D)	.022	ppm	KB	27-AUG-99	180	6020
L991393-018	05-AUG-99	EPRI-9908-137	AS	.75	ppm	KB	10-SEP-99	180	6020
			AS(D)	.72	ppm	KB	10-SEP-99	180	6020
			CA	291.	ppm	MK	23-AUG-99	180	6010
			CD	.009	ppm	KB	26-AUG-99	180	6020
			CD(D)	.009	ppm	KB	27-AUG-99	180	6020
			CL-	488.	ppm	JN	25-AUG-99	28	325.2
			CO3	<1.0	ppm	CaCO3	17-AUG-99		310.1
			COND.	6020.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	1.1	ppm	BD	26-AUG-99	28	340.2
			FE	<.10	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	180.	ppm	CaCO3	17-AUG-99	14	310.1

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L991393-018	05-AUG-99	EPRI-9908-137	K	20.	ppm	MK	23-AUG-99	180	6010
			MG	151.	ppm	MK	23-AUG-99	180	6010
			NA	930.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	53.	ppm	JN	13-AUG-99	28	353.2
			PB	<.003	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.0	pH	DC	17-AUG-99		150.1
			SE	.19	ppm	KB	10-SEP-99	180	6020
			SE(D)	.18	ppm	KB	10-SEP-99	180	6020
			SO4=	2800.	ppm	JN	06-AUG-99	28	9036
			TDS	4798.	ppm	BD	09-AUG-99	7	160.1
			TSS	3.1	ppm	DC	09-AUG-99		160.2
			ZN	.13	ppm	KB	26-AUG-99	180	6020
			ZN(D)	.16	ppm	KB	27-AUG-99	180	6020
			AS	.12	ppm	KB	26-AUG-99	180	6020
			AS(D)	.13	ppm	KB	27-AUG-99	180	6020
			CA	348.	ppm	MK	23-AUG-99	180	6010
			CD	<.005	ppm	KB	26-AUG-99	180	6020
			CD(D)	<.005	ppm	KB	27-AUG-99	180	6020
			CL	475.	ppm	JN	25-AUG-99	28	325.2
L991393-019	05-AUG-99	EPRI-9908-138	CO3	<1.0	ppm	CaCO3	17-AUG-99		310.1
			COND.	5850.	umhos/cm2	BD	09-AUG-99	28	120.1
			CR	<.010	ppm	KB	26-AUG-99	180	6020
			CR(D)	<.010	ppm	KB	27-AUG-99	180	6020
			CU	<.025	ppm	KB	26-AUG-99		6020
			CU(D)	<.025	ppm	KB	27-AUG-99	180	6020
			F-	.92	ppm	BD	26-AUG-99	28	340.2
			FE	<.10	ppm	MK	23-AUG-99	180	6010
			FE(D)	<.10	ppm	MK	23-AUG-99	180	6010
			HCO3	230.	ppm	CaCO3	17-AUG-99	14	310.1
			K	17.	ppm	MK	23-AUG-99	180	6010
			MG	164.	ppm	MK	23-AUG-99	180	6010
			NA	856.	ppm	MK	23-AUG-99	180	6010
			NO2/NO3	92.	ppm	JN	13-AUG-99	28	353.2
			PB	<.003	ppm	KB	26-AUG-99	180	6020
			PB(D)	<.003	ppm	KB	27-AUG-99	180	6020
			PH	7.5	pH	DC	17-AUG-99		150.1
			SE	.24	ppm	KB	26-AUG-99	180	6020

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	WTD
L991393-019	05-AUG-99	EPRI-9908-138	SE(D)	.24	ppm	KB	27-AUG-99	180
			SO4=	2329.	ppm	JN	06-AUG-99	28
			TDS	4857.	ppm	BD	09-AUG-99	7
			TSS	4.0	ppm	DC	09-AUG-99	160.1
			ZN	.020	ppm	KB	09-AUG-99	160.2
			ZN(D)	.026	ppm	KB	26-AUG-99	180
						KB	27-AUG-99	180
								6020
			AS	.023	ppm	KB	26-AUG-99	180
			AS(D)	.020	ppm	KB	27-AUG-99	180
			CA	433.	ppm	KB	27-AUG-99	180
			CD	<.005	ppm	KB	23-AUG-99	180
			CD(D)	<.005	ppm	KB	26-AUG-99	180
			CL-	356.	ppm	KB	26-AUG-99	180
L991393-020	05-AUG-99	EPRI-9908-135	CO3	<1.0	ppm	JN	25-AUG-99	28
			COND.	4330.	ppm CaCO3	DC	17-AUG-99	28
			CR	<.010	umhos/cm2	BD	17-AUG-99	28
			CR(D)	<.010	ppm	KB	09-AUG-99	28
			CU	<.025	ppm	KB	26-AUG-99	180
			CU(D)	<.025	ppm	KB	27-AUG-99	180
			F-	.80	ppm	KB	26-AUG-99	180
			FE	.21	ppm	BD	26-AUG-99	28
			FE(D)	<.10	ppm	KB	23-AUG-99	180
			HCO3	196.	ppm	KB	26-AUG-99	180
			K	13.	ppm	KB	23-AUG-99	180
			MG	132.	ppm	KB	26-AUG-99	180
			NA	414.	ppm	KB	23-AUG-99	180
			NO2/NO3	17.	ppm CaCO3	DC	17-AUG-99	14
			PB	<.003	ppm	KB	23-AUG-99	180
			PB(D)	<.003	ppm	KB	23-AUG-99	180
			PH	7.7	ppm	KB	16-AUG-99	28
			SE	.11	ppm	KB	26-AUG-99	180
			SE(D)	.12	ppm	KB	17-AUG-99	180
			SO4=	2117.	ppm	KB	26-AUG-99	180
			TDS	3756.	ppm	JN	06-AUG-99	28
			TSS	10.	ppm	BD	09-AUG-99	7
			ZN	.023	ppm	KB	09-AUG-99	160.1
			ZN(D)	.037	ppm	KB	26-AUG-99	180
						KB	27-AUG-99	180
								6020