APPENDIX G

GROUNDWATER ANALYTICAL TEST RESULTS
DATA SUMMARY TABLES

APPENDIX G1

TIME-SERIES SUMMARY OF DETECTED GROUNDWATER ANALYTES, DEL AMO MONITORING LOCATIONS

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	BWL0001	VOCs	Chloroform	BCA8240.DT	ug/l	0.52	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethane	BCA8240.DT	ug/l	2.1	NA	NA	NA	NA	NA	NA	NA	NA
			1,2-Dichloroethane	BCA8240.DT	ug/l	1.7	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethene	BCA8240.DT	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8240.DT	ug/l	13	NA	NA	NA	NA	NA	NA	NA	NA
			Freon 11	BCA8240.DT	ug/l	< 1	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8240.DT	ug/l	< 1	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	< 1	NA	NA	NA	NA	NA	NA	NA	NA
			Vinyl chloride	BCA8240.DT	ug/l	6.9	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0012	VOCs	Benzene	BCA8240.DT	ug/l	290000	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	26000	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Benzoic acid	BCA8270D	ug/l	280	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0014	VOCs	Benzene	BCA8240.DT	ug/l	3000	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	12000	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Phenol	BCA8270T	ug/l	16	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	1700	NA	NA	NA	NA	NA	NA	NA	NA
			Al (Total)	BCA6010DG	ug/l	< 100	NA	NA	NA	NA	NA	NA	NA	NA
			As (Dissolved)	BCA7060D	ug/l	3.7	NA	NA	NA	NA	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	420	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0014	Metals	Ca (Dissolved)	BCA6010D	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Total)	BCA6010DG	ug/l	50000	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	1100	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Total)	BCA6010DG	ug/l	< 40	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	9600	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	8800	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	44000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	44000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	1200	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	110	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	81000	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	81000	NA	NA	NA	NA	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	8.7	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	65	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	< 10	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	260000	NA	NA	NA	NA	NA	NA	NA	NA
			Chloride	BCA325.3T	ug/l	130000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	120	NA	NA	NA	NA	NA	NA	NA	NA
			Ion Balance	BCAIOND	%	17.2	NA	NA	NA	NA	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	40000	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	870000	NA	NA	NA	NA	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	260000	NA	NA	NA	NA	NA	NA	NA	NA
			pH	BCA150.1T	units	7.3	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0015	VOCs	1,1-Dichloroethene	BCA8240.DT	ug/l	29	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	230	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8240.DT	ug/l	37	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0016	VOCs	Chloroform	BCA8240.DT	ug/l	0.96	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	90	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8240.DT	ug/l	3.9	NA	NA	NA	NA	NA	NA	NA	NA

NA - C[illegible]ound or compound class was not analyzed during this event. ND - Not detected above lab[illegible]ory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0016	Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0017	VOCs	Acetone	BCA8240.DT	ug/l	23	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	100	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	260000	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010TG	ug/l	10000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010TG	ug/l	52000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010TG	ug/l	440	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010TG	ug/l	160000	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Total)	BCA6010TG	ug/l	120	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1D	ug/l	250000	NA	NA	NA	NA	NA	NA	NA	NA
			Chloride	BCA325.3D	ug/l	640000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2D	ug/l	180	NA	NA	NA	NA	NA	NA	NA	NA
			Ion Balance	BCAIOND	%	6.07	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as N)	BCA353.2D	ug/l	1400	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2D	ug/l	6000	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1D	umhos	2500	NA	NA	NA	NA	NA	NA	NA	NA
			Sulfate	BCA375.4D	ug/l	220000	NA	NA	NA	NA	NA	NA	NA	NA
			Surfactants	BCA425.1D	ug/l	230	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1D	ug/l	1600000	NA	NA	NA	NA	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1D	ug/l	250000	NA	NA	NA	NA	NA	NA	NA	NA
			pH	BCA150.1D	units	7.7	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0018	VOCs	Methyl Ethyl Ketone	BCA8240.DT	ug/l	17	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0018	PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0019	VOCs	Chlorobenzene	BCA8240.DT	ug/l	2.2	NA	NA	NA	NA	NA	NA	NA	NA
			1,2-Dichlorobenzene	BCA8240.DT	ug/l	1.4	NA	NA	NA	NA	NA	NA	NA	NA
				BCA8270T	ug/l	< 10	NA	NA	NA	NA	NA	NA	NA	NA
			1,4-Dichlorobenzene	BCA8240.DT	ug/l	1.3	NA	NA	NA	NA	NA	NA	NA	NA
				BCA8270T	ug/l	< 10	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	13	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0020	VOCs	Methyl Ethyl Ketone	BCA8240.DT	ug/l	20	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0022	VOCs	Benzene	BCA8240.DT	ug/l	1.9	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	33	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0023	VOCs	Xylenes (Total)	TEG602T	ug/l	0.7	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0023	SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0024	VOCs	Benzene	TEG602T	ug/l	0.7	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	TEG602T	ug/l	1.6	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	32	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0025	VOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0026	VOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0027	VOCs	Benzene	TEG8020T	ug/l	442110	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	TEG601T	ug/l	12.8	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	TEG8020T	ug/l	4050	NA	NA	NA	NA	NA	NA	NA	NA
			Styrene	TEG8020T	ug/l	2785.2	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	TEG8020T	ug/l	85980	NA	NA	NA	NA	NA	NA	NA	NA

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HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	CWL0027	VOCs	Xylenes (Total)	TEG8020T	ug/l	25400	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0028	VOCs	Benzene	BCA8240.DT	ug/l	210000	NA	NA	NA	NA	NA	NA	NA	NA
				TEG8020T	ug/l	177100	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	< 5000	NA	NA	NA	NA	NA	NA	NA	NA
				TEG8020T	ug/l	5321	NA	NA	NA	NA	NA	NA	NA	NA
			Naphthalene	BCA8270T	ug/l	240	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8240.DT	ug/l	< 5000	NA	NA	NA	NA	NA	NA	NA	NA
				TEG601T	ug/l	1860	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	82000	NA	NA	NA	NA	NA	NA	NA	NA
				TEG8020T	ug/l	104341	NA	NA	NA	NA	NA	NA	NA	NA
			1,1,1-Trichloroethane	BCA8240.DT	ug/l	< 5000	NA	NA	NA	NA	NA	NA	NA	NA
				TEG601T	ug/l	550	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	< 5000	NA	NA	NA	NA	NA	NA	NA	NA
				TEG601T	ug/l	4925	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	18000	NA	NA	NA	NA	NA	NA	NA	NA
				TEG8020T	ug/l	38896	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2-Methylnaphthalene	BCA8270T	ug/l	28	NA	NA	NA	NA	NA	NA	NA	NA
			Phenanthrene	BCA8270T	ug/l	53	NA	NA	NA	NA	NA	NA	NA	NA
			Phenol	BCA8270T	ug/l	71	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0029	VOCs	Benzene	TEG8020T	ug/l	31	NA	NA	NA	NA	NA	NA	NA	NA
			Styrene	TEG8020T	ug/l	5.4	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	TEG8020T	ug/l	109	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	TEG8020T	ug/l	411	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0029	Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0030	VOCs	Benzene	BCA8240.DT	ug/l	15	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	81.5	NA	NA	NA	NA	NA	NA	NA	NA
			1,2-Dichlorobenzene	BCA8240.DT	ug/l	18	NA	NA	NA	NA	NA	NA	NA	NA
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			1,4-Dichlorobenzene	BCA8240.DT	ug/l	5.2	NA	NA	NA	NA	NA	NA	NA	NA
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	< 5	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	300	NA	NA	NA	NA	NA	NA	NA	NA
			Styrene	BCA8240.DT	ug/l	< 5	NA	NA	NA	NA	NA	NA	NA	NA
				TEG8020T	ug/l	15.0	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 5	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	13	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 5	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	148	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0031	VOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0031	Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0032	VOCs	Benzene	TEG602T	ug/l	29.1	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	TEG601T	ug/l	8	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	TEG602T	ug/l	1.6	NA	NA	NA	NA	NA	NA	NA	NA
			1,1,1-Trichloroethane	TEG601T	ug/l	25.1	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	5.8	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0033	VOCs	Benzene	TEG602T	ug/l	16.2	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	TEG602T	ug/l	2.0	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	TEG601T	ug/l	1.0	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	TEG602T	ug/l	28.9	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	TEG602T	ug/l	25.8	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0034	VOCs	Benzene	TEG602T	ug/l	14.9	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	TEG601T	ug/l	2	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethane	TEG601T	ug/l	1.1	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	TEG601T	ug/l	6.4	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	TEG602T	ug/l	1.6	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	9.5	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - C[illegible]und or compound class was not analyzed during this event. ND - Not detected above la[illegible]ory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0034	Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0035	VOCs	Benzene	TEG602T	ug/l	3.3	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethane	TEG601T	ug/l	1.5	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	TEG601T	ug/l	6.5	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	11.3	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0036	VOCs	Chloroform	BCA8240.DT	ug/l	4.5	NA	NA	NA	NA	NA	NA	NA	NA
				TEG601T	ug/l	6.7	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	32	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0037	VOCs	Chloroform	BCA8240.DT	ug/l	9.1	NA	NA	NA	NA	NA	NA	NA	NA
				TEG601T	ug/l	8.7	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0038	VOCs	Benzene	BCA8240.DT	ug/l	1.8	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	1.7	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8240.DT	ug/l	3.4	NA	NA	NA	NA	NA	NA	NA	NA
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0038	VOCs	Ethylbenzene	BCA8240.DT	ug/l	2.1	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	74	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	26	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	28.4	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	15	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	12.8	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0039	VOCs	Methyl Ethyl Ketone	BCA8240.DT	ug/l	130	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0040	VOCs	Benzene	BCA8240.DT	ug/l	0.62	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 1	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	7.3	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	8.4	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0041	VOCs	Benzene	BCA8240.DT	ug/l	43	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	32.5	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	64	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	CWL0041	VOCs	Toluene	BCA8240.DT	ug/l	3.4	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	2.8	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	1.2	NA	NA	NA	NA	NA	NA	NA	NA
				TEG602T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0042	VOCs	Benzene	TEG602T	ug/l	1.3	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	TEG601T	ug/l	12.9	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	TEG601T	ug/l	2	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	TEG602T	ug/l	2.0	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0044	VOCs	Benzene	TEG602T	ug/l	0.6	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	TEG601T	ug/l	1.6	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	0.7	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	TEG602T	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0045	VOCs	Benzene	TEG602T	ug/l	4.4	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	TEG602T	ug/l	0.9	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0045	VOCs	Tetrachloroethene	TEG601T	ug/l	6	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	TEG602T	ug/l	0.6	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	TEG602T	ug/l	2.4	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0046	VOCs	Benzene	TEG602T	ug/l	1.2	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	TEG601T	ug/l	6.9	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	TEG601T	ug/l	3.9	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	2.9	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	TEG602T	ug/l	0.8	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0047	VOCs	Benzene	TEG602T	ug/l	107.2	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	1.5	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL0048	VOCs	Benzene	TEG602T	ug/l	1.2	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	TEG601T	ug/l	3.1	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	TEG601T	ug/l	8.9	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL0048	SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL12,WPL	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Total)	BCA6010T	ug/l	170	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	250000	NA	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	1.6	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	50	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	13000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	65000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	540	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	120000	NA	NA	NA	NA	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	4.5	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	28	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL15,16	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Total)	BCA6010T	ug/l	75	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	130000	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	7300	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	35000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	550	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	96000	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	68	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL15,16	Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL17,18	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	220	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	230000	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	380	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	10000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	51000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	2100	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	150000	NA	NA	NA	NA	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	3.8	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	85	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL19,20	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	110	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	240000	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	750	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	9300	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	52000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	650	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	140000	NA	NA	NA	NA	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	7.6	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	100	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL21,22	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL21,22	Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	10	NA	NA	NA	NA	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	220	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	200000	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	880	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	8700	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	45000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	1800	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	110000	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	41	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL36,37	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	4.9	NA	NA	NA	NA	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	57	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	60000	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	4700	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	14000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	270	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	180000	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	240000	NA	NA	NA	NA	NA	NA	NA	NA
			Chloride	BCA325.3T	ug/l	95000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	780	NA	NA	NA	NA	NA	NA	NA	NA
			Ion Balance	BCAT	%	6.62	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as N)	BCA353.2T	ug/l	2100	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2T	ug/l	9500	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	1200	NA	NA	NA	NA	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	150000	NA	NA	NA	NA	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	140	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	760000	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	CWL36,37	Gen Mins	Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	240000	NA	NA	NA	NA	NA	NA	NA	NA
			pH	BCA150.1T	units	8.0	NA	NA	NA	NA	NA	NA	NA	NA
	CWL38,39	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	140	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	190000	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	11000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	40000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	480	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	160000	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	CWL40,41	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	200	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	200000	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	12000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	42000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	310	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	130000	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0001	VOCs	Benzene	BCA8240.DT	ug/l	NA	52	68	11	4.0	6.3	< 0.5	63	1.1
				TEG602T	ug/l	34.4	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.62	< 0.5	< 0.5
				TEG601T	ug/l	0.6	NA	NA	NA	NA	NA	NA	NA	NA
			Chloromethane	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Cyclohexane	BCA8240.DT	ug/l	NA	< 10	< 10	< 10	< 10	< 10	< 10	15	< 10
			Dichlorobromomethane	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	1.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0001	VOCs	Ethylbenzene	BCA8240.DT	ug/l	NA	< 1	3.2	< 1	< 1	< 1	< 1	6.4	< 1
				TEG602T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Freon 12	BCA8240.DT	ug/l	NA	< 5	19	7.6	9.1	15	< 5	16	9.0
			Styrene	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
				TEG8020T	ug/l	15.5	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	NA	< 1	1.5	< 1	< 1	< 1	< 1	< 1	< 1
				TEG602T	ug/l	5.6	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
				TEG602T	ug/l	1.5	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	ND	ND	ND	ND	ND	ND	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	2.6	4.1	< 2	< 2	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	2.9	3.2	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	27	31	32	32	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	27	32	32	32	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	63000	62000	65000	65000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	63000	60000	63000	67000	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	9.2	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	< 14	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	< 49	< 40	< 89	< 160	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	< 49	110	63	240	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	4800	5000	4700	4400	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	4800	4900	4500	4400	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	16000	16000	17000	16000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	16000	16000	16000	17000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	220	240	210	230	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	220	230	220	250	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	68000	69000	68000	69000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	67000	66000	68000	70000	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 12	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	27	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0001	Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0002	VOCs	Chloroform	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.78	0.50	< 0.5
				TEG601T	ug/l	9.0	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethane	BCA8240.DT	ug/l	NA	1.3	1.2	1.1	1.0	< 1	< 1	< 1	< 1
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethene	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.90	< 0.5	< 0.5
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8240.DT	ug/l	NA	2.6	2.0	1.9	1.5	1.0	1.3	< 1	1.0
			Freon 113	BCA8240.DT	ug/l	NA	< 2	< 2	< 2	2.3	< 2	< 2	< 2	< 2
			Methylene chloride	BCA8240.DT	ug/l	NA	< 1	2.3	< 1	< 1	< 1	< 1	< 1	< 1
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8240.DT	ug/l	NA	< 1	< 1	1.7	< 1	< 1	< 1	< 1	< 1
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	NA	8.1	6.3	4.9	6.3	3.6	3.9	3.8	2.7
				TEG601T	ug/l	3.0	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0003	VOCs	Benzene	BCA8240.DT	ug/l	NA	2.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	6.0	< 0.5
				TEG602T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				TEG601T	ug/l	2.0	NA	NA	NA	NA	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	5.0	< 5
			Methylene chloride	BCA8240.DT	ug/l	NA	1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			1,1,2,2-Tetrachloroethane	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	< 0.5	0.59	< 0.5	< 0.5	< 0.5	< 0.5
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
				TEG601T	ug/l	0.9	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	NA	1.2	< 1	1.6	< 1	< 1	< 1	< 1	< 1
				TEG601T	ug/l	3.7	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0003	SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0004	VOCs	Chloroform	BCA8240.DT	ug/l	NA	0.69	0.74	0.59	0.90	< 0.5	0.68	< 0.5	< 0.5
			Tetrachloroethene	BCA8240.DT	ug/l	NA	3.8	4.0	3.5	3.7	3.5	3.5	3.7	3.2
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0005	VOCs	Toluene	BCA8240.DT	ug/l	NA	1.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
				TEG602T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0006	VOCs	Benzene	BCA8240.DT	ug/l	46	NA	NA	NA	NA	NA	NA	900	420
				TEG602T	ug/l	30.5	NA	NA	NA	NA	NA	NA	NA	NA
			Cyclohexane	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 200	< 300
			Ethylbenzene	BCA8240.DT	ug/l	490	NA	NA	NA	NA	NA	NA	2300	3200
				TEG602T	ug/l	409.7	NA	NA	NA	NA	NA	NA	NA	NA
			Naphthalene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	72	49
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	48	41
			Styrene	BCA8240.DT	ug/l	14	NA	NA	NA	NA	NA	NA	< 20	< 30
				TEG8020T	ug/l	13.3	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	31	23
				BCA8240.DT	ug/l	45	NA	NA	NA	NA	NA	NA	< 20	< 30
				TEG601T	ug/l	21.7	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0006	VOCs	Toluene	BCA8240.DT	ug/l	8.0	NA	NA	NA	NA	NA	NA	33	30
				TEG602T	ug/l	6.9	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	23	19
				BCA8240.DT	ug/l	18	NA	NA	NA	NA	NA	NA	< 20	< 30
				TEG601T	ug/l	6.32	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	36	NA	NA	NA	NA	NA	NA	< 20	< 30
				TEG602T	ug/l	< 5.00	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+05	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	3100	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	180000	170000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	8400	61
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6200	4200
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	49000	45000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	4100	4000
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150000	140000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	140	12
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	810	880
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	790000	730000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	150000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	140	< 120
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	2.52	4.3
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	930
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1800	1700
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	47000	41000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	110
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1000000	1100000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	790000	730000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	480	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.7	6.7
	PZL0007	VOCs	All Analytes			ND	ND	ND	ND	ND	ND	ND	ND	ND
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0007	Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0008	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+05	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1000	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	300000	330000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1800	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	9500	9000
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	64000	71000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	22	13
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	140000	140000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150	16
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	140
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	390000	390000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	590000	550000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	140	120
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	3.37	0.12
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	140000
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	110000	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	2800	2700
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	92000	100000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	130
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	2100000	2700000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	390000	390000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	1300	< 1000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	1400	1400
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.7	6.7
	PZL0009	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	940	980
				TEG8020T	ug/l	1223	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0009	VOCs	Chloromethane	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 0.5	< 2
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 30
			Cyclohexane	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	2100
			Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	270	720
				TEG8020T	ug/l	449	NA	NA	NA	NA	NA	NA	NA	NA
			Isopropylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 30
			Naphthalene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	44
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
			Styrene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 30
				TEG8020T	ug/l	23	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 0.5	< 2
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 30
				TEG601T	ug/l	10.0	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	120	100
				TEG8020T	ug/l	311	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 0.5	< 2
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 30
				TEG601T	ug/l	13.8	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 30
				TEG8020T	ug/l	43	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+03	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	240	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	260000	270000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	3900	87
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	4700	4600
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	68000	71000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	4800	5500
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	120000	120000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	110	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	190
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	450000	440000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	510000	470000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0009	Gen Mins	Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	110	< 100
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	2.2	0.42
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1000
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	2500	2300
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	97000	100000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1700000	1600000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	450000	440000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	620	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.6	6.5
	PZL0010	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 10	< 10	< 10	< 10	14	< 10	< 10	14
			Benzene	BCA8240.DT	ug/l	NA	0.59	0.55	0.75	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				TEG602T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroethane	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4.1
				TEG601T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Chloromethane	BCA8240.DT	ug/l	NA	29	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7.0
				TEG8020T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	NA	2.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1
				TEG602T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0011	VOCs	Benzene	BCA8240.DT	ug/l	NA	140000	110000	110000	140000	65000	120000	91000	86000
				TEG8020T	ug/l	81642	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	NA	< 5000	2000	2200	2800	1900	4200	< 1000	2000
				TEG8020T	ug/l	1937	NA	NA	NA	NA	NA	NA	NA	NA
			Naphthalene	BCA8240.DT	ug/l	NA	< 5000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 500
				BCA8270T	ug/l	180	150	130	70	140	96	< 300	190	150
			Styrene	BCA8240.DT	ug/l	NA	12000	8900	11000	14000	7600	15000	< 9700	9600
				TEG8020T	ug/l	12689	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	NA	59000	37000	40000	57000	28000	59000	44000	31000
				TEG8020T	ug/l	30292	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0011	VOCs	Xylenes (Total)	BCA8240.DT	ug/l	NA	< 5000	4600	7500	10000	6600	13000	3600	6200
				TEG8020T	ug/l	6377	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2-Methylnaphthalene	BCA8270T	ug/l	< 30	12	9.4	< 5	11	7.6	< 300	< 50	< 30
			2-Methylphenol	BCA8270T	ug/l	77	< 5	< 5	NA	< 5	< 5	< 300	< 50	< 30
			Phenanthrene	BCA8270T	ug/l	< 30	8.8	7.2	< 5	6.6	5.6	< 300	< 50	< 30
			Phenol	BCA8270T	ug/l	150	< 5	6.5	NA	< 5	< 5	< 300	< 50	< 30
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ag (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Ag (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	20	NA	NA	NA	NA
			Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	2200	950	13000	200	NA	NA	NA	NA
			As (Dissolved)	BCA7060D	ug/l	NA	9.1	9	13	13	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	12	11	16	11	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	67	68	77	73	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	130	72	140	48	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	200000	200000	190000	230000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	240000	200000	190000	120000	NA	NA	NA	NA
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	5.5	NA	NA	NA	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 18	45	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 6	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	19	NA	NA	NA	NA	NA	NA	NA
			Cu (Dissolved)	BCA6010D	ug/l	NA	< 20	< 20	< 20	< 20	NA	NA	NA	NA
			Cu (Total)	BCA6010T	ug/l	NA	84	< 20	< 20	21	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	460	760	1300	1700	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	3800	2000	17000	1300	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	5500	5100	5800	5200	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	8500	5500	9300	3000	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	57000	58000	59000	63000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	63000	59000	64000	33000	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0011	Metals	Mn (Dissolved)	BCA6010D	ug/l	NA	1900	1900	2000	1900	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2200	1900	2200	1000	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	160000	160000	160000	170000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	170000	160000	160000	96000	NA	NA	NA	NA
			Ni (Dissolved)	BCA6010D	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	< 40	42	< 40	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 3.8	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	11	< 2	9.4	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	320	< 10	51	< 12	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0012	VOCs	Acetone	BCA8240.DT	ug/l	< 100	< 10	< 10	< 10	< 10	31	28	< 16	< 10
			Benzene	BCA8240.DT	ug/l	27	11	5.3	< 0.5	< 0.5	24	1.2	2.7	4.6
				TEG602T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			sec-Butylbenzene	BCA8240.DT	ug/l	NA	8.3	4.0	< 1	4.3	4.7	< 1	4.9	4.7
			Chloroform	BCA8010T	ug/l	NA	< 30	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.53	< 0.5	< 0.5
			Cyclohexane	BCA8240.DT	ug/l	NA	41	26	< 10	8.8	< 10	19	32	52
			1,1-Dichloroethene	BCA8010T	ug/l	NA	< 30	< 0.5	< 0.5	< 0.5	< 0.5	2.2	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			2-Hexanone	BCA8240.DT	ug/l	< 50	< 5	83	< 5	< 5	< 5	< 5	< 5	< 5
			Tetrachloroethene	BCA8010T	ug/l	NA	< 30	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 10	1.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Toluene	BCA8240.DT	ug/l	< 10	1.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
				TEG602T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	< 30	0.59	< 0.5	< 0.5	< 0.5	3.4	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	9.1	< 7	< 7	88	22	< 7	< 7	< 10	< 50
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 100	140	270	9000	NA	NA	NA	NA
			As (Dissolved)	BCA7060D	ug/l	NA	15	16	12	16	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	15	15	17	20	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	PZL0012	Metals	Ba (Dissolved)	BCA6010D	ug/l	NA	110	120	110	100	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	110	110	110	160	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	250000	270000	260000	250000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	250000	230000	260000	270000	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	24	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cu (Dissolved)	BCA6010D	ug/l	NA	< 20	< 20	< 20	< 20	NA	NA	NA	NA
			Cu (Total)	BCA6010T	ug/l	NA	< 20	< 20	< 20	25	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	360	350	430	620	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	460	620	960	13000	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	5700	6000	5100	4900	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5600	5100	5300	7300	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	68000	74000	69000	65000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	68000	64000	71000	75000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	2400	2900	2700	2200	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2500	2500	2800	2500	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	140000	160000	140000	140000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	140000	130000	150000	150000	NA	NA	NA	NA
			Ni (Dissolved)	BCA6010D	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	45	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	< 2	4.4	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	13	< 10	< 14	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 11	< 10	39	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0013	VOCs	Benzene	BCA8240.DT	ug/l	610000	750000	560000	450000	590000	650000	570000	590000	520000
				TEG8020T	ug/l	418482	NA	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8010T	ug/l	NA	< 50	< 50	< 5000	< 500	< 300	< 200	< 50	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 5000	< 5000	< 5000	< 5000	3400
				TEG601T	ug/l	< 5	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8010T	ug/l	NA	< 50	200	< 5000	< 500	< 300	< 200	< 50	< 300
				BCA8240.DT	ug/l	< 3000	< 3000	< 3000	< 5000	< 3000	< 3000	< 3000	< 3000	< 2000
				TEG601T	ug/l	< 5	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 5000	< 5000	< 5000	< 5000	< 3000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0013	VOCs	Ethylbenzene	TEG8020T	ug/l	14	NA	NA	NA	NA	NA	NA	NA	NA
			Styrene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 5000	< 5000	< 5000	< 5000	< 3000
				TEG8020T	ug/l	15	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 5000	< 5000	< 5000	< 5000	< 3000
				TEG8020T	ug/l	50	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 5000	< 5000	< 5000	< 5000	< 3000
				TEG8020T	ug/l	43	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	4-Nitrophenol	BCA8270T	ug/l	< 10	< 5	< 5	< 5	12	NA	NA	NA	NA
			Phenol	BCA8270T	ug/l	33	22	22	30	16	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	430	110	< 100	< 100	NA	NA	NA	NA
			As (Dissolved)	BCA7060D	ug/l	NA	5.4	5.3	5.1	6.7	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	5.2	7.4	6.1	3.2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	110	110	120	130	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	110	120	110	120	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	340000	310000	340000	380000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	330000	310000	330000	350000	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	< 40	< 40	< 40	140	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	670	240	< 98	200	NA	NA	NA	NA
			Hg (Dissolved)	BCA7470D	ug/l	NA	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA
			Hg (Total)	BCA7470T	ug/l	NA	0.3	0.7	< 0.2	< 0.2	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	5300	5100	5700	5900	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5300	4900	5600	5500	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	89000	94000	97000	110000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	90000	92000	97000	95000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	2600	3200	2700	3300	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2800	3500	2700	2700	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	150000	150000	160000	160000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	150000	150000	160000	150000	NA	NA	NA	NA
			Ni (Dissolved)	BCA6010D	ug/l	NA	< 40	49	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0014	VOCs	Benzene	BCA8240.DT	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	0.60	1.0
				TEG602T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Chloromethane	BCA8240.DT	ug/l	< 1	NA	NA	NA	NA	NA	NA	< 1	2.0
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+03	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	810	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	230000	260000
			Cu (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	< 20	< 20
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1500	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	9500	9800
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	51000	59000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	310	150
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	120000	130000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	130	17
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	120
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	410000	410000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	410000	490000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	170	210
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	3.1	0.44
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	3900
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	3100	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	2200	2200
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	81000	88000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	140
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1500000	1600000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	410000	410000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	650	750
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.0	7.2
	PZL0015	VOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0015	BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0016	VOCs	Benzene	BCA8240.DT	ug/l	NA	< 50	< 100	83	< 100	67	1200	< 30	< 50
				TEG8020T	ug/l	4791	NA	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8010T	ug/l	NA	< 300	< 300	< 100	< 50	< 50	< 50	< 30	< 50
				BCA8240.DT	ug/l	NA	< 100	< 200	< 100	< 200	< 100	< 100	69	< 100
				TEG601T	ug/l	< 500	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8010T	ug/l	NA	< 300	< 300	150	160	82	200	120	150
				BCA8240.DT	ug/l	NA	70	< 100	86	< 100	64	95	73	72
				TEG601T	ug/l	< 500	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	2300	2700	1400	2000	2800	2300	2500	2600
				BCA8240.DT	ug/l	NA	1300	2000	< 100	1700	1800	< 100	2000	2300
				TEG601T	ug/l	< 500	NA	NA	NA	NA	NA	NA	NA	NA
			trans-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 300	< 300	< 100	< 50	< 50	< 50	< 30	< 50
				BCA8240.DT	ug/l	NA	< 100	< 200	< 100	< 200	< 100	< 100	110	< 100
				TEG601T	ug/l	< 500	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	9600	8600	6500	6400	7400	5800	6300	7000
				BCA8240.DT	ug/l	NA	6100	5900	5900	7200	5600	7500	5600	6100
				TEG601T	ug/l	10143	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	19000	19000	14000	13000	15000	9700	7800	9900
				BCA8240.DT	ug/l	NA	11000	14000	13000	11000	11000	13000	9400	9300
				TEG601T	ug/l	19009	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	NA	< 7	17	< 7	< 7	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ag (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	12	NA	NA	NA	NA
			Ag (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 220	< 100	190	< 100	NA	NA	NA	NA
			As (Dissolved)	BCA7060D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	36	< 2	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	1300	1200	1100	1100	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	1200	1300	1100	1100	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0016	Metals	Be (Dissolved)	BCA6010D	ug/l	NA	< 1	< 1	< 1	1.3	NA	NA	NA	NA
			Be (Total)	BCA6010T	ug/l	NA	< 1	< 1	< 1	1.4	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	1300000	1200000	840000	1000000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	1200000	1300000	870000	1000000	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 18	21	37	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	49	87	240	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	49	NA	NA	NA	NA	NA	NA	NA
			Cu (Dissolved)	BCA6010D	ug/l	NA	< 20	< 20	< 20	42	NA	NA	NA	NA
			Cu (Total)	BCA6010T	ug/l	NA	< 20	< 20	< 20	41	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	330	210	290	1100	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	650	330	800	1900	NA	NA	NA	NA
			Hg (Dissolved)	BCA7470D	ug/l	NA	1.9	1.4	< 0.2	0.4	NA	NA	NA	NA
			Hg (Total)	BCA7470T	ug/l	NA	1.2	2.1	< 0.2	0.6	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	24000	22000	20000	20000	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	22000	23000	21000	21000	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	300000	270000	250000	250000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	280000	290000	260000	260000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	61	62	40	48	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	58	50	46	59	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	330000	320000	270000	320000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	290000	340000	280000	330000	NA	NA	NA	NA
			Ni (Dissolved)	BCA6010D	ug/l	NA	110	160	170	270	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	100	110	180	290	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	15	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	12	< 10	< 10	18	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0017	VOCs	Chloroform	BCA8240.DT	ug/l	8.5	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0018	VOCs	Benzene	BCA8240.DT	ug/l	< 0.5	0.78	0.51	0.64	0.75	< 0.5	< 0.5	< 0.5	0.68

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0018	VOCs	sec-Butylbenzene	BCA8240.DT	ug/l	NA	1.4	1.4	1.3	1.7	< 1	< 1	< 1	1.7
			Methylene chloride	BCA8010T	ug/l	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2
				BCA8240.DT	ug/l	4.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	1800	< 100	370	230	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	260	NA
			As (Dissolved)	BCA7060D	ug/l	NA	9.4	9.5	13	12	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	11	9.5	11	16	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	100	120	120	110	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	110	110	120	120	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	130000	140000	150000	150000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	140000	130000	140000	150000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	120000	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	12	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	840	670	870	1000	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	3700	750	1500	1500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1200	NA
			Hg (Dissolved)	BCA7470D	ug/l	NA	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA
			Hg (Total)	BCA7470T	ug/l	NA	0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	5700	6200	6200	5900	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	6300	5800	6100	5700	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5500	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	36000	39000	40000	39000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	37000	36000	38000	39000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	35000	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	990	1100	1200	1100	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	1000	1000	1100	1200	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	790	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	PZL0018	Metals	Na (Dissolved)	BCA6010D	ug/l	NA	120000	130000	130000	130000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	120000	120000	130000	130000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	120000	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 14	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 12	< 10	15	< 16	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	190	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	630000	NA
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	22000	NA
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	2.33	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1300	NA
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	64000	NA
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	110	NA
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	800000	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	630000	NA
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	2400	NA
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.9	NA
	PZL0019	VOCs	Benzene	BCA8240.DT	ug/l	380000	430000	410000	380000	450000	640000	380000	370000	300000
			Ethylbenzene	BCA8240.DT	ug/l	7400	< 5000	8600	< 10000	14000	16000	11000	6000	< 5000
			Naphthalene	BCA8240.DT	ug/l	NA	< 5000	< 5000	< 10000	< 5000	< 5000	< 5000	< 5000	< 5000
				BCA8270T	ug/l	< 30	< 30	9.9	< 30	< 30	< 30	16	36	< 30
			Toluene	BCA8240.DT	ug/l	< 5000	13000	< 5000	< 10000	< 5000	< 5000	< 5000	< 5000	< 5000
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Benzoic acid	BCA8270T	ug/l	270	300	< 50	800	< 300	< 300	< 50	< 300	< 300
			2-Chlorophenol	BCA8270T	ug/l	< 30	260	< 5	< 30	< 30	< 30	< 5	< 30	< 30
			2-Nitrophenol	BCA8270T	ug/l	< 30	< 30	6.5	< 30	< 30	< 30	< 5	< 30	< 30
			4-Nitrophenol	BCA8270T	ug/l	< 30	< 30	12	< 30	< 30	< 30	< 5	< 30	< 50
			Phenol	BCA8270T	ug/l	260	< 30	130	110	210	441	57	320	72
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	< 100	850	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ag (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Ag (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	24	NA	NA	NA	NA
			Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	2300	3200	3900	450	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	3600	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	< 2	< 2	< 2	< 2.1	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	PZL0019	Metals	As (Total)	BCA7060T	ug/l	NA	4.2	3.7	5.7	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	77	74	77	88	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	92	100	100	25	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	270000	270000	280000	300000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	290000	300000	290000	34000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	240000	270000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	29	< 15	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	34	NA	NA	NA	NA	NA	NA	NA
			Cu (Dissolved)	BCA6010D	ug/l	NA	< 20	< 20	< 20	< 20	NA	NA	NA	NA
			Cu (Total)	BCA6010T	ug/l	NA	< 20	< 20	< 20	25	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	< 20	< 20
			Fe (Dissolved)	BCA6010D	ug/l	NA	< 76	< 40	48	160	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	4100	4900	5700	570	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6700	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	7600	7500	7400	7600	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	8500	9000	8700	1600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	8400	6800
			Mg (Dissolved)	BCA6010D	ug/l	NA	81000	84000	83000	89000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	87000	90000	91000	9900	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	80000	84000
			Mn (Dissolved)	BCA6010D	ug/l	NA	420	420	360	390	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	490	500	410	50	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	530	350
			Na (Dissolved)	BCA6010D	ug/l	NA	120000	130000	120000	130000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	120000	130000	140000	16000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	120000	120000
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	2.9	< 2	6.4	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 32	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 14	21	< 20	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	140	15
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	780000	800000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	170000	170000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	100	130

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	PZL0019	Gen Mins	Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	2.81	0.25
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	2200	2200
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	220000	220000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	8000	26000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1400000	1400000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	780000	800000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	540	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.8	6.6
	PZL0020	VOCs	Benzene	BCA8240.DT	ug/l	310000	430000	610000	590000	520000	270000	350000	400000	580000
			Ethylbenzene	BCA8240.DT	ug/l	13000	17000	21000	19000	20000	19000	15000	5300	19000
			Naphthalene	BCA8240.DT	ug/l	NA	< 5000	< 5000	< 10000	< 5000	< 2000	< 5000	< 2000	< 5000
				BCA8270T	ug/l	< 300	82	75	82	78	59	120	99	96
			Toluene	BCA8240.DT	ug/l	< 1300	< 5000	< 5000	< 10000	< 5000	< 2000	< 5000	4600	7400
			Xylenes (Total)	BCA8240.DT	ug/l	< 1000	< 5000	< 5000	23000	< 5000	< 2000	< 5000	< 2000	< 5000
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2,4-Dinitrotoluene	BCA8270T	ug/l	< 300	< 30	6.5	< 30	< 30	< 5	< 30	< 30	< 30
			Fluorene	BCA8270T	ug/l	< 300	< 30	< 5	< 30	< 30	5.0	< 30	< 30	< 30
			2-Methylnaphthalene	BCA8270T	ug/l	< 300	< 30	7.9	< 30	< 30	8.2	< 30	< 30	< 30
			Phenanthrene	BCA8270T	ug/l	< 300	< 30	9.6	< 30	< 30	9.9	< 30	< 30	< 30
			Phenol	BCA8270T	ug/l	< 300	130	120	160	180	43	280	280	140
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ag (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Ag (Total)	BCA6010T	ug/l	NA	11	12	< 10	< 10	NA	NA	NA	NA
			Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	1100	< 100	< 100	470	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	< 110	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	45	33	32	34	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	48	41	41	32	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	240	260	320	290	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	250	280	290	280	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	360000	340000	380000	350000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	360000	360000	370000	340000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	260000	260000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	PZL0020	Metals	Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	14	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	< 8.8	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	910	820	910	900	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	2500	970	1100	1500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1400	< 40
			Hg (Dissolved)	BCA7470D	ug/l	NA	0.4	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA
			Hg (Total)	BCA7470T	ug/l	NA	0.3	0.2	< 0.2	< 0.2	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	7200	7200	7800	7500	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	7500	7300	7500	7000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6800	6800
			Mg (Dissolved)	BCA6010D	ug/l	NA	150000	160000	170000	160000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	160000	170000	170000	140000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	130000
			Mn (Dissolved)	BCA6010D	ug/l	NA	1200	1200	1400	1200	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	1200	1300	1300	1100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1000	1100
			Na (Dissolved)	BCA6010D	ug/l	NA	330000	310000	330000	330000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	330000	320000	360000	290000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	290000	290000
			Pb (Dissolved)	BCA7421D	ug/l	NA	15	20	25	29	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	16	25	32	28	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 21	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 11	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150	10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	330
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	680000	710000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	810000	770000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	430	480
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	1.1	0.27
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1500
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	3800	3500
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	48000	45000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1700	1300
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	2100000	1900000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	680000	710000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0020	Gen Mins	Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	1700	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.5	6.5
	PZL0021	VOCs	Benzene	BCA8240.DT	ug/l	580000	9200	11000	29000	35000	23000	17800	23000	28000
			Chlorobenzene	BCA8010T	ug/l	NA	< 100	< 50	< 50	< 500	< 30	< 30	11	< 30
				BCA8240.DT	ug/l	< 5000	< 100	< 100	< 500	< 200	< 200	< 200	< 300	< 300
			1,2-Dichloroethane	BCA8010T	ug/l	NA	< 100	< 50	< 50	< 500	< 30	70	44	< 30
				BCA8240.DT	ug/l	< 5000	< 50	< 50	< 300	< 100	< 100	< 100	< 200	< 200
			Methylene chloride	BCA8010T	ug/l	NA	< 100	< 50	< 50	< 500	< 30	< 100	< 20	< 100
				BCA8240.DT	ug/l	< 5000	< 100	< 100	< 500	< 200	740	< 200	280	< 300
			Toluene	BCA8240.DT	ug/l	14000	320	310	530	860	260	250	< 300	< 300
			Trichloroethene	BCA8010T	ug/l	NA	< 100	< 50	< 50	< 500	< 30	38	31	31
				BCA8240.DT	ug/l	< 5000	< 100	< 100	< 500	< 200	< 200	< 200	< 300	< 300
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	47	50	3.6
		SVOCs	Phenol	BCA8270T	ug/l	NA	5.3	8.5	21	27	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	< 100	190	140	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	440	< 100	130	< 100	NA	NA	NA	NA
			As (Dissolved)	BCA7060D	ug/l	NA	34	25	27	25	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	< 2	30	32	26	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	140	120	140	130	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	140	130	130	130	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	300000	280000	310000	340000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	300000	290000	310000	280000	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	18	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	2900	2800	3200	3200	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	3400	3000	3400	3200	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	7200	6400	7000	7000	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	7100	6500	7100	6600	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	83000	77000	81000	79000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	82000	76000	82000	74000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	2700	2500	2800	2600	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0021	Metals	Mn (Total)	BCA6010T	ug/l	NA	2700	2600	2700	2500	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	92000	83000	89000	90000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	90000	84000	94000	83000	NA	NA	NA	NA
			Ni (Dissolved)	BCA6010D	ug/l	NA	230	< 40	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	5.3	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	53	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	12	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	PZL0022	VOCs	Benzene	BCA8015MT	ug/l	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	< 0.5	NA	1.0	< 0.5	< 0.5	1.3	< 0.5
				BCA8240.DT	ug/l	< 12	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA
			sec-Butylbenzene	BCA8240.DT	ug/l	NA	2.3	2.4	1.9	2.6	1.8	2.3	4.3	2.7
			Methylene chloride	BCA8010T	ug/l	NA	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 2	< 2
				BCA8240.DT	ug/l	1.3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Toluene	BCA8015MT	ug/l	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	< 0.5	NA	0.86	2.0	1.6	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Di-n-butylphthalate	BCA8270T	ug/l	NA	< 5	8.5	< 5	27	< 5	< 5	< 5	< 5
			Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	NA	< 7	< 7	< 7.3	< 7	< 11	52	< 10	< 10
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 120	110	< 100	780	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	660	NA
			As (Dissolved)	BCA7060D	ug/l	NA	9.2	9.7	13	9.7	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	9	10	9.8	11	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	160	180	200	200	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	170	190	200	210	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	240000	240000	270000	260000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	250000	240000	250000	270000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	220000	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	< 140	210	< 40	350	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	PZL0022	Metals	Fe (Total)	BCA6010T	ug/l	NA	300	400	310	1500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	2300	NA
			K (Dissolved)	BCA6010D	ug/l	NA	4200	4000	4300	4300	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	4400	4300	4200	4500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	4100	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	57000	56000	62000	59000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	58000	59000	59000	61000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	59000	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	2500	2600	2900	2700	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2600	2800	2800	2800	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	2700	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	120000	110000	130000	120000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	120000	120000	120000	130000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	120000	NA
			Ni (Dissolved)	BCA6010D	ug/l	NA	60	< 40	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	5.7	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	4	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	18	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 14	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	200	NA
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	140	NA
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	470000	690000	NA	NA	710000	NA
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	290000	NA
				BCA325.3T	ug/l	NA	NA	NA	290000	250000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	150	190	NA	NA	110	NA
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	4.05	NA
				BCAT	%	NA	NA	NA	12	2.4	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	2000	2100	NA	NA	2100	NA
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	38000	NA
				BCA375.4T	ug/l	NA	NA	NA	55000	49000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	1900	2300	NA	NA	110	NA
			TDS	BCA160.1T	ug/l	NA	NA	NA	1200000	1200000	NA	NA	1400000	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	470000	690000	NA	NA	710000	NA
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	880	NA
			pH	BCA150.1T	units	NA	NA	NA	6.8	6.7	NA	NA	6.8	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	PZL0024	VOCs	Benzene	BCA8240.DT	ug/l	77000	62000	75000	84000	51000	140000	120000	96000	100000
				BCA8260T	ug/l	78000	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	1600	< 2000	1800	1400	1300	3500	3800	12000	2700
				BCA8260T	ug/l	1400	NA	NA	NA	NA	NA	NA	NA	NA
			Naphthalene	BCA8240.DT	ug/l	NA	< 2000	< 500	< 1000	< 500	< 1000	< 2000	< 1000	< 1000
				BCA8260T	ug/l	< 500	NA	NA	NA	NA	NA	NA	NA	NA
				BCA8270T	ug/l	360	290	280	450	450	210	330	440	400
			Xylenes (Total)	BCA8240.DT	ug/l	1100	< 2000	970	1200	790	< 1000	< 2000	< 1000	< 1000
			m,p-Xylene	BCA8260T	ug/l	860	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	< 2	6.0	< 2
		SVOCs	2-Methylnaphthalene	BCA8270T	ug/l	39	< 10	< 30	42	52	< 50	< 100	< 30	< 30
			Phenol	BCA8270T	ug/l	100	16	< 30	< 30	< 30	810	1800	250	39
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 100	< 100	120	120	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	240	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	6.1	5.5	6.9	7.8	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	6.1	5.8	8.1	7.6	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	190	180	190	170	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	180	180	180	170	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	250000	260000	260000	250000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	240000	240000	260000	250000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	370000	430000
			Fe (Dissolved)	BCA6010D	ug/l	NA	290	700	700	1100	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	390	550	940	1300	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	3800	52
			K (Dissolved)	BCA6010D	ug/l	NA	7000	7300	7100	6900	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	6700	7300	7200	7300	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6300	6100
			Mg (Dissolved)	BCA6010D	ug/l	NA	76000	77000	80000	75000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	73000	75000	79000	76000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	110000	130000
			Mn (Dissolved)	BCA6010D	ug/l	NA	2400	2600	2500	2400	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2300	2500	2400	2600	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0024	Metals	Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	4600	6900
			Na (Dissolved)	BCA6010D	ug/l	NA	550000	570000	510000	460000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	520000	590000	560000	490000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	450000	430000
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	3.3	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 28	< 11	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	130	14
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	640000	630000	NA	NA	570000	620000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	1100000	1300000
				BCA325.3T	ug/l	NA	NA	NA	940000	890000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	150	210	NA	NA	< 100	190
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	2.9	0.22
				BCAT	%	NA	NA	NA	0.67	2.7	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	2100
				BCA353.2T	ug/l	NA	NA	NA	70	< 50	NA	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 500	NA
				BCA353.2T	ug/l	NA	NA	NA	300	< 200	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	4300	4200	NA	NA	4600	4800
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	120000	90000
				BCA375.4T	ug/l	NA	NA	NA	110000	120000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	4000	1400	NA	NA	8500	7700
			TDS	BCA160.1T	ug/l	NA	NA	NA	2500000	2400000	NA	NA	2800000	3000000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	640000	630000	NA	NA	570000	620000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	2400	< 200
			pH	BCA150.1T	units	NA	NA	NA	7.0	6.9	NA	NA	6.9	6.7
	PZL0025	VOCs	Acetone	BCA8240.DT	ug/l	< 200	< 200	NA	< 200	< 200	< 200	< 200	2000	< 1000
				BCA8260T	ug/l	< 200	NA	NA	NA	NA	NA	NA	NA	NA
			Benzene	BCA8240.DT	ug/l	2800	2200	1200	1400	2600	2200	1900	12000	9600
				BCA8260T	ug/l	3200	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	< 20	< 20	16	< 20	< 20	< 20	< 20	< 100	< 100
				BCA8260T	ug/l	< 20	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 20	< 20	< 10	51	< 20	< 20	< 20	< 100	< 100
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	10	11	< 2
		SVOCs	Phenol	BCA8270T	ug/l	74	88	22	50	11	7.5	< 5	66	12

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0025	Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+03 - 1E+04	>1E+07	1E+05 - 1E+06	1E+04	1E+07>	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+04	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 110	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	550	< 100	< 100	520	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 100	< 100	170	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	48	70	76	52	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	49	71	76	70	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	120	130	140	120	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	120	130	150	140	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	400000	380000	390000	420000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	410000	390000	400000	430000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	400000	530000	470000	530000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 14	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	24	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	11000	14000	14000	15000	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	12000	14000	15000	19000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	750	< 40	27000	1000
			Hg (Dissolved)	BCA7470D	ug/l	NA	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA
			Hg (Total)	BCA7470T	ug/l	NA	0.3	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	5500	4900	5600	5700	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5700	5200	5600	5600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	6000	7900	8400	9400
			Mg (Dissolved)	BCA6010D	ug/l	NA	120000	110000	130000	130000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	120000	120000	120000	130000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	130000	160000	150000	170000
			Mn (Dissolved)	BCA6010D	ug/l	NA	7000	6500	7400	7400	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	6900	6500	7100	7100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	7500	13000	12000	16000
			Na (Dissolved)	BCA6010D	ug/l	NA	150000	150000	160000	160000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	150000	150000	160000	170000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	160000	160000	160000	160000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0025	Metals	Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 13	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	27	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	130	42
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	340	< 100	< 100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	680000	770000	780000	800000	740000	650000	690000	790000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	410000	770000	680000	760000
				BCA325.3T	ug/l	NA	450000	420000	400000	420000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	210	230	190	250	170	300	220	160
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	3.81	1.28	0.01	1.31
				BCAT	%	NA	3.7	3	4.2	2	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	980
				BCA353.2T	ug/l	NA	47	< 50	< 50	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 200	< 500	NA
				BCA353.2T	ug/l	NA	210	< 200	< 200	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	3200	3000	3300	3200	3400	4600	3900	4000
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	400000	570000	440000	430000
				BCA375.4T	ug/l	NA	330000	270000	340000	460000	NA	NA	NA	NA
			Sulfide	BCA376.2T	ug/l	NA	NA	NA	NA	NA	NA	200	300	200
			Surfactants	BCA425.1T	ug/l	NA	140	< 100	120	< 100	< 100	< 100	100	160
			TDS	BCA160.1T	ug/l	NA	2100000	1960000	2000000	2100000	2000000	3400000	2500000	2800000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	680000	770000	780000	800000	740000	650000	690000	790000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	400	780	< 200
			pH	BCA150.1T	units	NA	6.9	6.6	6.9	6.5	6.6	6.4	6.4	6.4
	PZL0026	VOCs	Benzene	BCA8240.DT	ug/l	4300	NA	NA	NA	4100	670	3500	3300	2700
			Ethylbenzene	BCA8240.DT	ug/l	< 100	NA	NA	NA	< 50	< 10	27	< 20	32
			Styrene	BCA8240.DT	ug/l	< 100	NA	NA	NA	< 50	< 10	< 30	< 20	29
			Toluene	BCA8240.DT	ug/l	< 100	NA	NA	NA	110	17	85	88	63
			Xylenes (Total)	BCA8240.DT	ug/l	< 100	NA	NA	NA	< 50	< 10	< 30	< 20	38
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	22	12	< 2
		SVOCs	All Analytes			ND	NA	NA	NA	ND	ND	ND	ND	ND
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	1E+04	1E+05	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+05 - 1E+06	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	< 2	NA	NA	NA	4	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0026	Metals	As (Total)	BCA7060T	ug/l	NA	NA	NA	NA	2.5	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	65	NA	NA	NA	95	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	NA	NA	NA	93	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	250000	NA	NA	NA	290000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	NA	NA	NA	290000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	81000	270000	250000	240000
			Fe (Dissolved)	BCA6010D	ug/l	< 40	NA	NA	NA	250	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	NA	NA	NA	250	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 40	230	300	49
			K (Dissolved)	BCA6010D	ug/l	8100	NA	NA	NA	5500	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	NA	NA	NA	5500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	5300	5500	5200	4800
			Mg (Dissolved)	BCA6010D	ug/l	75000	NA	NA	NA	82000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	NA	NA	NA	83000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	22000	81000	74000	69000
			Mn (Dissolved)	BCA6010D	ug/l	4500	NA	NA	NA	5300	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	NA	NA	NA	5300	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	2300	5800	5100	5100
			Na (Dissolved)	BCA6010D	ug/l	160000	NA	NA	NA	170000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	NA	NA	NA	170000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	35000	160000	160000	140000
			Ni (Dissolved)	BCA6010D	ug/l	< 40	NA	NA	NA	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	NA	NA	NA	43	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	23	NA	NA	NA	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	NA	NA	NA	130	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	75	44	180	130
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 100	350
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	530000	NA	NA	NA	590000	200000	590000	600000	600000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	80000	440000	380000	300000
				BCA325.3T	ug/l	370000	NA	NA	NA	400000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	150	NA	NA	NA	270	230	280	350	170
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.2	3.87	2.1	8.59
				BCAT	%	3.8	NA	NA	NA	3.9	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1200
				BCA353.2T	ug/l	< 79	NA	NA	NA	< 50	< 50	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	2400	NA	NA	NA	2500	830	3000	2600	2200

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	PZL0026	Gen Mins	Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	44000	220000	160000	380000
				BCA375.4T	ug/l	120000	NA	NA	NA	150000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	430	NA	NA	NA	< 100	140	< 100	130	130
			TDS	BCA160.1T	ug/l	1500000	NA	NA	NA	1500000	460000	1700000	1600000	1400000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	530000	NA	NA	NA	590000	200000	590000	600000	600000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1200	790	21000
			pH	BCA150.1T	units	6.8	NA	NA	NA	6.6	6.6	6.6	6.6	6.6
	SWL0001	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0002	VOCs	Benzene	BCA8240.DT	ug/l	280000	260000	170000	250000	180000	270000	240000	310000	290000
				TEG8020T	ug/l	318500	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethene	BCA8010T	ug/l	NA	< 50	< 30	< 50	< 500	< 100	33	7.5	< 200
				BCA8240.DT	ug/l	< 3000	< 3000	< 500	< 5000	< 5000	< 1000	< 1000	< 20000	< 1000
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 50	< 30	< 50	< 500	< 100	45	43	< 200
				BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
			Ethylbenzene	BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG8020T	ug/l	195	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	< 50	< 30	< 50	< 500	< 100	240	95	< 200
				BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG601T	ug/l	88	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG8020T	ug/l	537	NA	NA	NA	NA	NA	NA	NA	NA
			1,1,1-Trichloroethane	BCA8010T	ug/l	NA	< 50	< 30	< 50	< 500	< 100	< 3	< 5	< 200
				BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG601T	ug/l	38	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	580	< 30	230	< 500	230	680	220	400
				BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG601T	ug/l	282	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	SWL0002	VOCs	Xylenes (Total)	TEG8020T	ug/l	117	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	< 2	2.9	< 2
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+06	1E+04	1E+07	>1E+07	1E+05 - 1E+07	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+01	NA	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	< 100	110	430	160	< 100	< 100	1100	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	310000	270000	330000	300000	280000	250000	270000	290000
			Fe (Total)	BCA6010TG	ug/l	NA	1600	2100	3100	2000	270	< 40	4500	290
			K (Total)	BCA6010TG	ug/l	NA	12000	10000	12000	11000	11000	10000	11000	11000
			Mg (Total)	BCA6010TG	ug/l	NA	90000	76000	94000	83000	82000	75000	89000	87000
			Mn (Total)	BCA6010TG	ug/l	NA	2900	2700	3100	3000	2800	3000	2700	3300
			Na (Total)	BCA6010TG	ug/l	NA	140000	120000	150000	130000	130000	120000	130000	120000
			Zn (Total)	BCA6010TG	ug/l	NA	< 10	< 10	< 10	< 10	< 10	< 10	350	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	420	< 100	300
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	630000	560000	640000	580000	600000	670000	680000	710000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	420000	440000	520000	470000
				BCA325.3T	ug/l	NA	510000	410000	490000	410000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	280	320	210	160	180	320	110	150
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.2	6.8	2.06	3.64
				BCAT	%	NA	1.3	1.55	NA	1.9	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	NA	54	< 50	93	< 50	80	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1000	1200	NA
				BCA353.2T	ug/l	NA	240	< 200	410	< 200	350	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	2600	2400	4900	2900	2800	2700	2900	2600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	97000	84000	61000	82000
				BCA375.4T	ug/l	NA	120000	120000	91000	130000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 100	120	< 100	< 100	< 100	< 100	130	110
			TDS	BCA160.1T	ug/l	NA	1600000	1400000	1400000	1500000	1400000	1800000	2200000	1600000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	630000	560000	640000	580000	600000	670000	680000	710000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	990	1400	1100
			pH	BCA150.1T	units	NA	6.8	6.84	6.7	6.8	6.8	6.8	6.8	6.7
	SWL0003	VOCs	Benzene	BCA8240.DT	ug/l	270000	520000	570000	470000	340000	430000	350000	330000	340000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	SWL0003	VOCs	Benzene	TEG8020T	ug/l	526100	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethene	BCA8010T	ug/l	NA	< 30	< 30	< 50	< 500	< 100	< 200	11	< 300
				BCA8240.DT	ug/l	< 3000	< 3000	< 3000	< 5000	< 5000	< 3000	< 3000	< 2000	< 1000
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 30	29	< 50	< 500	< 100	< 200	< 5	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
			Ethylbenzene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG8020T	ug/l	1154	NA	NA	NA	NA	NA	NA	NA	NA
			Styrene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG8020T	ug/l	95.3	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	< 30	140	< 50	< 500	< 100	< 200	13	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG601T	ug/l	3.3	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG8020T	ug/l	321	NA	NA	NA	NA	NA	NA	NA	NA
			1,1,1-Trichloroethane	BCA8010T	ug/l	NA	< 30	< 30	< 50	< 500	< 100	< 200	< 5	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG601T	ug/l	2.6	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	190	660	< 50	< 500	< 100	< 200	7.3	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG601T	ug/l	10.2	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG8020T	ug/l	117	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0004	VOCs	Benzene	BCA8240.DT	ug/l	840000	1800000	1500000	1400000	900000	2200000	1400000	1200000	1700000
				TEG8020T	ug/l	1689000	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	< 5000	< 20000	< 20000	< 10000	< 10000
				TEG8020T	ug/l	145	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	< 30	160	< 500	< 500	< 100	< 200	< 30	< 300
				BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	< 5000	< 20000	< 20000	< 10000	< 10000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	SWL0004	VOCs	Tetrachloroethene	TEG601T	ug/l	< 50.00	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	7200	< 20000	< 20000	< 10000	< 10000
				TEG8020T	ug/l	1912	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	< 30	870	< 500	< 500	< 100	< 200	< 30	< 300
				BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	< 5000	< 20000	< 20000	< 10000	< 10000
				TEG601T	ug/l	< 50.00	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	< 5000	< 20000	< 20000	< 10000	< 10000
				TEG8020T	ug/l	637	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	ND	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	>1E+01	<1E+01	<1E+01	1E+04 - 1E+05	1E+02	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+01	NA	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	< 120	230	< 100	< 100	< 100	< 100	120	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	210000	200000	240000	250000	210000	220000	220000	240000
			Fe (Total)	BCA6010TG	ug/l	NA	380	400	83	59	< 40	< 40	140	< 40
			K (Total)	BCA6010TG	ug/l	NA	11000	9600	11000	11000	10000	11000	11000	11000
			Mg (Total)	BCA6010TG	ug/l	NA	47000	46000	55000	66000	53000	53000	70000	70000
			Mn (Total)	BCA6010TG	ug/l	NA	430	360	400	410	370	350	480	480
			Na (Total)	BCA6010TG	ug/l	NA	91000	88000	110000	120000	98000	97000	120000	120000
			Zn (Total)	BCA6010TG	ug/l	NA	< 10	< 10	< 10	< 10	< 15	< 10	280	18
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	830	< 100	< 100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	530000	530000	570000	630000	570000	650000	720000	690000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	250000	270000	340000	290000
				BCA325.3T	ug/l	NA	240000	230000	290000	350000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	170	390	190	120	140	240	< 100	120
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.27	6.2	4.78	1.01
				BCAT	%	NA	0.46	0.65	2.19	1.6	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	680
				BCA353.2T	ug/l	NA	130	81	190	< 50	50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	NA	580	360	840	< 200	220	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	1700	1700	1900	2500	2100	2300	2300	2000
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	44000	71000	44000	29000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	SWL0004	Gen Mins	Sulfate	BCA375.4T	ug/l	NA	24000	26000	68000	32000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 100	< 100	< 100	< 100	< 100	< 100	130	140
			TDS	BCA160.1T	ug/l	NA	920000	1100000	1100000	1200000	1000000	1400000	1500000	1200000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	530000	530000	570000	630000	570000	650000	720000	690000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	710	920	960
			pH	BCA150.1T	units	NA	6.8	6.9	6.9	6.8	6.9	6.8	6.8	6.7
	SWL0005	VOCs	Benzene	BCA8240.DT	ug/l	3.1	310	2.2	33	1.8	1.3	< 0.5	2.0	0.81
				TEG602T	ug/l	2.5	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8240.DT	ug/l	< 0.5	< 10	< 0.5	< 5	< 0.5	0.51	0.54	0.51	0.74
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	< 1	85	< 1	< 10	< 1	< 1	< 1	< 1	< 1
				TEG602T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Freon 12	BCA8240.DT	ug/l	NA	< 100	7.0	< 50	5.9	17	9.1	9.5	7.3
			Tetrachloroethene	BCA8240.DT	ug/l	2.5	< 20	3.3	< 10	3.2	3.7	3.3	2.8	3.2
				TEG601T	ug/l	2.5	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 1	< 20	< 1	< 10	< 1	< 1	< 1	< 1	< 1
				TEG602T	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	< 1	< 20	< 1	< 10	< 1	< 1	< 1	< 1	0.79
				TEG601T	ug/l	1	NA	NA	NA	NA	NA	NA	NA	NA
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	< 20	2.3	< 10	2.2	< 1	< 1	< 1	< 1
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	11	< 2	11
		SVOCs	Pentachlorophenol	BCA8270T	ug/l	< 5	12	8.3	< 5	< 5	NA	NA	NA	< 10
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+04	1E+03	1E+04	1E+04	1E+04	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+05	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	< 100	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010DG	ug/l	< 100	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 140	250	390	260	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 150	< 100	120	< 100
			Ba (Dissolved)	BCA6010D	ug/l	39	63	55	61	63	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	60	56	63	59	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	270000	330000	300000	370000	350000	NA	NA	NA	NA
			Ca (Total)	BCA6010DG	ug/l	330000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	320000	300000	340000	300000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	290000	260000	290000	290000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	SWL0005	Metals	Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	< 1	1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	< 5	9.6	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	11	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 85	67	< 40	84	87	NA	NA	NA	NA
			Fe (Total)	BCA6010DG	ug/l	< 40	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	290	420	700	480	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	230	< 40	< 40	< 40
			K (Dissolved)	BCA6010D	ug/l	7800	8300	7400	8100	8200	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	9300	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	7800	7800	8300	7600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	7800	7500	7800	7800
			Mg (Dissolved)	BCA6010D	ug/l	57000	71000	65000	71000	71000	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	68000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	68000	67000	72000	64000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	65000	60000	67000	65000
			Mn (Dissolved)	BCA6010D	ug/l	230	400	310	380	380	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	260	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	370	330	400	340	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	340	300	340	320
			Na (Dissolved)	BCA6010D	ug/l	120000	130000	120000	130000	130000	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	150000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	120000	120000	130000	120000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	130000	130000	130000	120000
			Zn (Dissolved)	BCA6010D	ug/l	< 15	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	< 14	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 10	21	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 14	< 10	30	11
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	500000	550000	490000	560000	530000	540000	550000	570000	510000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	270000	270000	270000	290000
				BCA325.3T	ug/l	370000	320000	340000	340000	300000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	120	96	130	140	130	190	260	< 130	160

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	SWL0005	Gen Mins	Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	2.3	4.38	1.3	0.89
				BCAT	%	3.56	1.4	0.66	5.31	5.3	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	16000
				BCA353.2T	ug/l	5000	2600	4200	3700	1200	2900	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	17000	9800	NA
				BCA353.2T	ug/l	22000	12000	19000	17000	5300	13000	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	2400	2300	2400	2700	2700	2500	2600	2300	2300
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	250000	320000	290000	280000
				BCA375.4T	ug/l	290000	370000	270000	280000	300000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	170	120
			TDS	BCA160.1T	ug/l	1600000	1400000	1600000	1700000	1600000	1600000	1700000	1800000	1600000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	500000	550000	490000	560000	530000	540000	550000	570000	510000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	9000	< 1000	< 1000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1100	1100	1000
			pH	BCA150.1T	units	7.1	6.5	6.74	6.9	6.8	6.9	6.8	6.7	6.8
	SWL0006	VOCs	Acetone	BCA8240.DT	ug/l	74	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
			Benzene	BCA8240.DT	ug/l	18	< 0.5	< 0.5	0.69	< 0.5	< 0.5	0.58	< 0.5	< 0.5
				TEG602T	ug/l	10.6	NA	NA	NA	NA	NA	NA	NA	NA
			Carbon disulfide	BCA8240.DT	ug/l	< 2	< 2	NA	7.9	< 2	< 2	< 2	< 2	< 2
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	80	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
			Methylene chloride	BCA8240.DT	ug/l	< 1	< 1	< 1	< 17	< 1	< 1	< 1	1.2	< 1
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 1	3.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1
				TEG602T	ug/l	0.6	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	93	13	5.3
		SVOCs	All Analytes			ND	ND	ND	ND	ND	ND	ND	ND	ND
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+04	1E+03	1E+03 - 1E+04	1E+03	1E+04	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+02	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	< 100	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010DG	ug/l	< 100	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
			As (Dissolved)	BCA7060D	ug/l	3.8	< 2.5	< 2	< 2	< 2	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	SWL0006	Metals	As (Total)	BCA7060T	ug/l	NA	2.8	2.4	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	28	27	25	30	32	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	24	25	28	33	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	130000	150000	140000	150000	150000	NA	NA	NA	NA
			Ca (Total)	BCA6010DG	ug/l	120000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	140000	140000	150000	150000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	140000	120000	120000	130000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	< 5	9.1	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	6.8	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 70	640	570	730	740	NA	NA	NA	NA
			Fe (Total)	BCA6010DG	ug/l	< 40	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	610	550	740	770	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	660	610	360	< 40
			K (Dissolved)	BCA6010D	ug/l	9500	6100	5600	6100	6000	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	9100	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	5400	5600	6100	5900	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	5700	5200	5000	5100
			Mg (Dissolved)	BCA6010D	ug/l	36000	35000	32000	35000	33000	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	34000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	32000	30000	34000	33000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	32000	27000	28000	30000
			Mn (Dissolved)	BCA6010D	ug/l	590	720	630	670	580	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	580	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	650	630	640	580	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	610	1300	340	150
			Na (Dissolved)	BCA6010D	ug/l	130000	95000	88000	98000	97000	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	120000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	86000	87000	99000	96000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	96000	96000	92000	92000
			Zn (Dissolved)	BCA6010D	ug/l	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	18	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 10	< 10	< 10	< 35	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	19	< 10	120	20
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	SWL0006	Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	340000	320000	330000	350000	330000	360000	350000	360000	390000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	160000	130000	130000	130000
				BCA325.3T	ug/l	230000	180000	170000	180000	160000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	270	200	300	< 60	340	330	280	230	320
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.33	3.4	3.75	3.2
				BCAT	%	4.77	1.4	2.9	1.41	2.5	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	250	< 50	< 50	61	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	1100	< 200	< 200	270	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	1400	1400	1400	1600	1400	1500	1400	1300	1300
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	110000	110000	120000	120000
				BCA375.4T	ug/l	110000	130000	140000	110000	130000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	180	< 100	< 100	< 100	< 100	< 100	< 100	< 100	130
			TDS	BCA160.1T	ug/l	900000	870000	850000	820000	850000	820000	700000	770000	820000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	340000	320000	330000	350000	330000	360000	350000	360000	390000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	680	1000	260
			pH	BCA150.1T	units	7.4	7.3	7.4	7.2	7.2	7.0	7.1	7.1	7.2
	SWL0007	VOCs	Acetone	BCA8240.DT	ug/l	< 500	48	< 100	29	< 100	56	80	25	26
			Benzene	BCA8015MT	ug/l	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	0.92	NA	< 0.5	1.0	2.1	1.9	< 0.5
				BCA8240.DT	ug/l	< 30	0.64	< 5	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8240.DT	ug/l	< 30	< 0.5	< 5	0.76	< 5	< 0.5	< 0.5	0.66	0.75
			Chloromethane	BCA8240.DT	ug/l	< 50	11	< 10	< 1	< 10	< 1	< 1	< 1	< 1
			Cyclohexane	BCA8240.DT	ug/l	NA	< 10	530	980	1000	120	85	64	69
			Ethylbenzene	BCA8020T	ug/l	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA
				BCA8240.DT	ug/l	< 50	< 1	< 10	< 1	< 10	< 1	1.1	< 1	< 1
			Freon 11	BCA8240.DT	ug/l	< 50	9.0	< 10	11	< 10	3.5	7.4	< 1	4.4
			Methylene chloride	BCA8240.DT	ug/l	< 50	< 1	< 10	< 1	< 10	1.8	< 1	< 1	< 1
			Toluene	BCA8015MT	ug/l	NA	NA	NA	< 0.81	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	0.89	NA	1.0	1.4	< 0.58	1.2	< 0.5
				BCA8240.DT	ug/l	< 50	< 1	< 10	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	< 50	1.9	< 10	2.8	< 10	2.5	2.5	2.4	2.9
			Xylenes (Total)	BCA8020T	ug/l	NA	NA	< 1	NA	NA	NA	NA	NA	NA
				BCA8240.DT	ug/l	< 100	< 1	< 10	< 1	< 10	< 1	5.4	< 1	< 1
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	6.2	8.6	< 2

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-10	VOCs	Trichloroethene	BCA8240.DT	ug/l	NA	10	11	< 100	14	8.3	13	9.1	6.4
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-11	VOCs	Acetone	BCA8240.DT	ug/l	< 1000	< 100	< 200	< 2000	< 200	< 100	< 100	77	< 100
			Benzene	BCA8240.DT	ug/l	500	20	< 10	< 100	< 10	8.9	< 5	< 3	7.2
			Chlorobenzene	BCA8240.DT	ug/l	7000	1700	1400	900	1200	1200	850	780	510
			Chloroform	BCA8240.DT	ug/l	140	< 5	< 10	< 100	< 10	< 5	< 5	< 3	< 5
			Tetrachloroethene	BCA8240.DT	ug/l	300	130	100	< 200	120	150	97	86	99
			Trichloroethene	BCA8240.DT	ug/l	< 100	< 10	< 20	< 200	< 20	8.8	< 10	5.2	< 10
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	alpha-BHC	BCA8080T	ug/l	3.2	NA	NA	NA	NA	NA	NA	NA	NA
			beta-BHC	BCA8080T	ug/l	1.0	NA	NA	NA	NA	NA	NA	NA	NA
			delta-BHC	BCA8080T	ug/l	1.2	NA	NA	NA	NA	NA	NA	NA	NA
			gamma-BHC	BCA8080T	ug/l	5.0	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-12	VOCs	Acetone	BCA8240.DT	ug/l	< 500	< 500	< 500	< 2000	< 1000	1100	< 500	NA	< 500
			Benzene	BCA8240.DT	ug/l	4200	3300	5300	4300	2000	6500	7200	NA	3300
			Chlorobenzene	BCA8010T	ug/l	NA	2400	6100	4900	3600	6600	4800	NA	3100
				BCA8240.DT	ug/l	7000	2900	4600	4100	2800	5300	6100	NA	2500
			Chloroform	BCA8010T	ug/l	NA	< 30	< 50	15	30	160	180	NA	320
				BCA8240.DT	ug/l	51	< 30	< 30	< 100	< 50	210	< 30	NA	210
			Cyclohexane	BCA8240.DT	ug/l	NA	< 500	< 500	< 2000	390	< 1000	< 500	NA	< 500
			1,4-Dichlorobenzene	BCA8010T	ug/l	NA	< 30	< 50	7.6	< 20	< 30	< 20	NA	< 30
				BCA8240.DT	ug/l	< 50	< 50	< 50	< 200	< 100	< 100	< 50	NA	< 50
			1,2-Dichloroethane	BCA8010T	ug/l	NA	98	220	150	130	170	140	NA	63
				BCA8240.DT	ug/l	< 30	< 30	< 30	< 100	< 50	< 50	< 30	NA	84
			Ethylbenzene	BCA8240.DT	ug/l	890	440	920	830	550	1300	1800	NA	430

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-12	VOCs	Naphthalene	BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	190	750	NA	190
			n-Propylbenzene	BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	120	< 50	NA	58
			Toluene	BCA8240.DT	ug/l	110	< 50	< 50	< 200	< 100	910	2000	NA	1500
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	400	690	640	410	290	920	NA	310
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	260	< 50	NA	< 50
			Xylenes (Total)	BCA8240.DT	ug/l	1000	390	510	500	180	820	2200	NA	810
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	beta-BHC	BCA8080T	ug/l	0.10	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	18000	32000	NA	12000
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	120000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	5200
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	32000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	990
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	51000
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	320000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	120000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	290
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	1.22
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	1100
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	67000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	100
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	800000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	320000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	540
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.8
	XMW-13	VOCs	Acetone	BCA8240.DT	ug/l	< 5000	< 2000	< 2000	< 2000	< 1000	< 1000	< 1000	2700	< 1000
			Benzene	BCA8240.DT	ug/l	17000	19000	18000	14000	14000	20000	17000	12000	17000
			Chlorobenzene	BCA8010T	ug/l	NA	2500	2400	2500	3200	4200	3000	4500	4100
				BCA8240.DT	ug/l	2700	2900	2400	2100	2500	3000	2900	2200	2900
			Chloroform	BCA8010T	ug/l	NA	810	1100	500	970	1100	490	600	980
				BCA8240.DT	ug/l	560	590	770	630	580	780	540	420	510
			Cyclohexane	BCA8240.DT	ug/l	NA	< 2000	< 2000	< 2000	< 1000	< 1000	310	< 1000	< 1000
			Dibromochloromethane	BCA8010T	ug/l	NA	31	< 50	34	< 30	< 20	95	< 50	< 30

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	XMW-13	VOCs	Dibromochloromethane	BCA8240.DT	ug/l	< 500	< 200	< 200	< 200	< 100	< 100	< 100	< 100	< 100
			1,2-Dichloroethane	BCA8010T	ug/l	NA	330	270	290	340	390	330	240	470
				BCA8240.DT	ug/l	< 300	< 100	< 100	< 100	540	< 50	< 50	320	410
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 30	< 50	< 5	< 30	< 20	< 30	< 50	57
				BCA8240.DT	ug/l	< 500	< 200	< 200	< 200	< 100	< 100	< 100	< 100	< 100
			Ethylbenzene	BCA8240.DT	ug/l	2100	1800	1800	1400	1800	1700	1500	640	880
			Methylene chloride	BCA8010T	ug/l	NA	41	< 50	20	< 30	25	< 65	< 200	< 100
				BCA8240.DT	ug/l	610	< 200	< 200	< 200	< 100	< 100	< 100	< 100	< 100
			Naphthalene	BCA8240.DT	ug/l	NA	660	< 200	520	1200	670	610	360	570
				BCA8270T	ug/l	590	680	610	620	450	400	400	510	340
			n-Propylbenzene	BCA8240.DT	ug/l	NA	< 200	< 200	< 200	210	180	160	< 100	150
			Tetrachloroethene	BCA8010T	ug/l	NA	67	72	86	120	94	< 30	< 50	80
				BCA8240.DT	ug/l	< 500	< 200	< 200	< 200	< 100	< 100	< 100	< 100	< 100
			Toluene	BCA8240.DT	ug/l	700	7400	6400	4600	5400	7500	7200	6300	8500
			Trichloroethene	BCA8010T	ug/l	NA	950	690	610	740	770	480	730	500
				BCA8240.DT	ug/l	570	570	740	520	540	470	370	200	230
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	1500	1600	1500	1800	1600	1400	850	1400
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	1000	1100	820	< 100	1000	770	< 100	< 100
			Xylenes (Total)	BCA8240.DT	ug/l	8800	5500	5100	3900	3100	5000	4700	2400	3200
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2-Methylnaphthalene	BCA8270T	ug/l	110	170	130	120	110	85	77	< 100	59
			N-Nitrosodimethylamine	BCA8270T	ug/l	79	< 30	< 30	< 12	< 30	< 30	< 30	< 100	< 30
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	30000	42000	47000	52000
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	350	380	420	400	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	400	430	460	400	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	160	150	170	160	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	150	160	180	160	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	260000	250000	260000	260000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	260000	250000	270000	240000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	260000
			Fe (Dissolved)	BCA6010D	ug/l	NA	10000	11000	12000	12000	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	10000	12000	13000	11000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	980
			K (Dissolved)	BCA6010D	ug/l	NA	6900	6400	6300	6300	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-13	Metals	K (Total)	BCA6010T	ug/l	NA	6800	6500	6700	6000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	6400
			Mg (Dissolved)	BCA6010D	ug/l	NA	92000	92000	96000	92000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	92000	92000	97000	86000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	93000
			Mn (Dissolved)	BCA6010D	ug/l	NA	5700	5700	6300	6100	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	5700	5800	6400	5600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	6000
			Na (Dissolved)	BCA6010D	ug/l	NA	220000	220000	220000	210000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	210000	220000	240000	200000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 3.5	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 5	2.4	< 2	2.6	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	11	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	540000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	560000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	150
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.43
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	2900
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	480
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1800000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	540000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1700
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.6
	XMW-14	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 500	< 500	< 2000	< 1000	< 500	< 100	300	< 500
			Benzene	BCA8240.DT	ug/l	NA	7300	< 30	7400	6600	4000	980	1200	7000
			Chlorobenzene	BCA8010T	ug/l	NA	190	180	230	300	220	120	150	470
				BCA8240.DT	ug/l	NA	230	220	220	230	150	130	97	320
			Chloroform	BCA8010T	ug/l	NA	< 50	< 50	5.6	< 30	< 3	< 1	< 5	< 10
				BCA8240.DT	ug/l	NA	< 30	< 30	< 100	< 50	< 30	< 5	< 5	< 30
			1,2-Dichloroethane	BCA8010T	ug/l	NA	720	670	550	730	820	290	490	760
				BCA8240.DT	ug/l	NA	< 30	610	< 100	< 50	630	360	360	630

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	XMW-14	VOCs	1,1-Dichloroethene	BCA8010T	ug/l	NA	< 50	< 50	< 5	< 30	< 3	1.3	< 5	< 10
				BCA8240.DT	ug/l	NA	< 30	< 30	< 100	< 50	< 30	< 5	< 5	< 30
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 50	< 50	< 5	< 30	14	24	17	< 10
				BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	< 50	17	< 10	< 50
			Ethylbenzene	BCA8240.DT	ug/l	NA	710	570	700	740	440	110	83	430
			Naphthalene	BCA8240.DT	ug/l	NA	240	170	< 200	360	< 120	34	39	180
				BCA8270T	ug/l	NA	220	180	270	130	100	27	32	120
			n-Propylbenzene	BCA8240.DT	ug/l	NA	57	< 50	< 200	< 100	< 50	< 10	< 10	53
			Tetrachloroethene	BCA8010T	ug/l	NA	< 50	< 50	< 5	< 30	13	8.9	11	14
				BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	< 50	< 10	< 10	< 50
			Toluene	BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	< 50	6.5	< 10	< 58
			1,1,2-Trichloroethane	BCA8010T	ug/l	NA	< 50	< 50	< 5	< 30	< 3	1.1	< 5	< 10
				BCA8240.DT	ug/l	NA	< 30	< 30	< 100	< 50	< 30	< 5	< 5	< 30
			Trichloroethene	BCA8010T	ug/l	NA	130	60	100	110	180	67	140	120
				BCA8240.DT	ug/l	NA	82	72	< 200	< 100	96	62	71	110
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	330	290	340	400	130	39	22	300
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	210	66	< 200	< 100	< 50	< 10	< 10	< 50
			Xylenes (Total)	BCA8240.DT	ug/l	NA	530	420	410	270	180	74	23	190
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	NA	< 40	< 20	< 20	< 7	< 7	15	< 10	< 10
			Isophorone	BCA8270T	ug/l	NA	< 30	< 10	< 10	5.3	< 5	< 5	< 5	6.2
			2-Methylnaphthalene	BCA8270T	ug/l	NA	41	32	40	27	19	< 5	< 5	15
			Phenol	BCA8270T	ug/l	NA	< 30	< 10	22	< 5	15	6.4	< 5	< 5
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	1000	96	400	1200
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	54	60	61	49	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	50	60	62	49	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	290	290	300	310	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	290	280	58	300	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	180000	190000	190000	200000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	180000	190000	120000	190000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	5.3	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-14	Metals	Cd (Total)	BCA7131T	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	8100	8100	7500	7700	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	8200	8000	< 45	7600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 91
			K (Dissolved)	BCA6010D	ug/l	NA	5300	5400	5300	5200	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5300	5300	7100	5100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	5000
			Mg (Dissolved)	BCA6010D	ug/l	NA	67000	71000	73000	68000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	67000	70000	30000	67000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	69000
			Mn (Dissolved)	BCA6010D	ug/l	NA	4600	4800	5000	4600	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	4700	4800	95	4500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4600
			Na (Dissolved)	BCA6010D	ug/l	NA	180000	180000	180000	180000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	180000	180000	68000	180000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	160000
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	160
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	790000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	250000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	140
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.81
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	2100
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	49000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1500000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	790000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	930
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.7
	XMW-15	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-16	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-16	Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-17	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-18	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-19	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-20	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-20	BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-21	VOCs	Benzene	BCA8240.DT	ug/l	NA	4400	81000	5800	14000	43000	48000	4100	1500
			sec-Butylbenzene	BCA8240.DT	ug/l	NA	710	< 2000	< 500	380	< 500	580	< 100	360
			Carbon disulfide	BCA8240.DT	ug/l	NA	130	< 4000	< 1000	< 400	< 1000	< 1000	< 200	< 100
			Chloroethane	BCA8010T	ug/l	NA	130	70	< 30	< 50	< 50	< 50	< 0.5	< 10
				BCA8240.DT	ug/l	NA	130	< 2000	< 500	< 200	< 500	< 500	< 100	< 50
			Ethylbenzene	BCA8240.DT	ug/l	NA	1600	20000	10000	12000	31000	39000	23000	6500
			Isopropylbenzene	BCA8240.DT	ug/l	NA	260	< 2000	< 500	< 200	< 500	< 500	< 100	180
			n-Propylbenzene	BCA8240.DT	ug/l	NA	180	< 2000	< 500	< 200	< 500	< 500	< 100	< 50
			Toluene	BCA8240.DT	ug/l	NA	170	< 2000	< 500	< 200	8500	< 500	< 100	< 50
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	< 50	< 2000	< 500	< 200	1700	< 500	< 100	< 50
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	< 50	< 2000	< 500	< 200	< 500	< 500	< 100	110
			Xylenes (Total)	BCA8240.DT	ug/l	NA	290	< 2000	< 500	< 200	7400	< 500	< 100	< 50
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	< 7.6	6.4	< 2
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-22	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-23	VOCs	Benzene	BCA8240.DT	ug/l	NA	< 3.8	< 0.5	11	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Ethylbenzene	BCA8240.DT	ug/l	NA	14	< 1	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	ND	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-23	BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+03	1E+04	1E+04	1E+04	1E+04	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+02	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	250000	250000	270000	250000	240000	250000	260000	270000
			Cu (Total)	BCA6010TG	ug/l	NA	< 20	< 20	< 20	32	< 20	< 20	< 20	< 20
			Fe (Total)	BCA6010TG	ug/l	NA	16000	< 160	2000	21000	1300	370	4300	< 40
			K (Total)	BCA6010TG	ug/l	NA	7100	7700	7900	7100	7200	8100	8100	8000
			Mg (Total)	BCA6010TG	ug/l	NA	92000	96000	100000	92000	94000	100000	110000	120000
			Mn (Total)	BCA6010TG	ug/l	NA	140	52	76	220	82	140	130	100
			Na (Total)	BCA6010TG	ug/l	NA	130000	150000	150000	140000	140000	160000	160000	160000
			Zn (Total)	BCA6010TG	ug/l	NA	< 10	< 10	< 10	< 14	17	< 10	14	19
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	360000	430000	430000	410000	400000	420000	430000	420000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	600000	660000	710000	770000
				BCA325.3T	ug/l	NA	540000	560000	560000	540000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	180	290	250	170	320	190	170	170
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	3.7	7.41	3.93	3.84
				BCAT	%	NA	2.9	0.82	1.8	0.93	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	44000
				BCA353.2T	ug/l	NA	4200	7100	12000	9300	5000	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	94000	72000	NA
				BCA353.2T	ug/l	NA	19000	31000	53000	41000	22000	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	2500	2500	4100	2800	3000	3200	3100	3100
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	99000	120000	85000	68000
				BCA375.4T	ug/l	NA	73000	93000	68000	74000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 100	< 100	< 100	< 100	< 100	< 100	140	110
			TDS	BCA160.1T	ug/l	NA	1400000	2000000	1600000	1700000	2000000	2300000	2800000	2900000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	360000	430000	430000	410000	400000	420000	430000	420000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1500	1700	1800
			pH	BCA150.1T	units	NA	7.1	7.2	7.2	7.0	7.0	7.4	6.9	7.0
	XMW-24	VOCs	Chloroform	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	< 0.5	0.60	NA	< 0.5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	250000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	9200

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-24	Metals	Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	100000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	120
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	21
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	330
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	390000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	580000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	220
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.86
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	79000
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	2600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	71000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	210
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	2000000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	390000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	970
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.3
	XMW-25	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-26	VOCs	All Analytes			NA	NA	NA	NA	NA	ND	ND	NA	ND
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	220000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	7400
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	80000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	15
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	210000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-26	Metals	Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	24
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	550000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	490000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	4.62
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	210000
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	2800
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	53000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	150
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1800000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	550000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	790
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.0
	XMW-27	VOCs	Benzene	BCA8240.DT	ug/l	120	NA	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	9.3	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8240.DT	ug/l	47	NA	NA	NA	NA	NA	NA	NA	NA
			Cyclohexane	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8240.DT	ug/l	< 1	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	14	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	120	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	9.5	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	170	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	4,4'-DDT	BCA8080T	ug/l	0.13	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-28	VOCs	Benzene	BCA8240.DT	ug/l	45000	55000	74000	47000	88000	61000	120000	130000	160000
			Chlorobenzene	BCA8010T	ug/l	NA	< 0.5	< 50	< 30	< 100	< 50	< 50	< 0.5	< 30
				BCA8240.DT	ug/l	720	< 1000	< 500	< 100	< 500	< 1000	< 1000	< 2000	< 3000
			Chloroethane	BCA8010T	ug/l	NA	16	< 50	< 30	< 100	< 50	< 50	< 0.5	< 30
				BCA8240.DT	ug/l	< 500	< 1000	< 500	< 100	< 500	< 1000	< 1000	< 2000	< 3000
			Ethylbenzene	BCA8240.DT	ug/l	1500	1500	1200	< 100	< 500	< 1000	960	< 2000	3100

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-28	VOCs	Isopropylbenzene	BCA8240.DT	ug/l	NA	< 1000	< 500	360	< 500	< 1000	< 1000	< 2000	< 3000
			Methylene chloride	BCA8010T	ug/l	NA	2.2	< 50	< 30	< 100	< 50	< 50	< 2	< 100
				BCA8240.DT	ug/l	< 500	< 1000	< 500	< 100	< 500	< 1000	< 1000	< 2000	< 3000
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	32	24	3.4
		SVOCs	Phenol	BCA8270T	ug/l	59	88	230	48	94	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+06	>1E+07	1E+06	>1E+07	1E+07>	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+07>	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	38	68	61	130	110	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	78	60	120	140	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	260	300	320	250	200	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	280	310	250	200	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	360000	410000	440000	350000	270000	NA	NA	NA	NA
			Ca (Total)	BCA6010DG	ug/l	350000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	410000	420000	340000	250000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	340000	260000	290000	310000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	1.6	< 1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	< 5	9.4	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	9.5	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	9700	18000	17000	26000	13000	NA	NA	NA	NA
			Fe (Total)	BCA6010DG	ug/l	920	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	19000	18000	27000	13000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	5200	1600	1100	1800
			K (Dissolved)	BCA6010D	ug/l	6500	6100	6100	5300	5900	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	6800	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	5600	5800	5500	5800	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	5600	5100	5000	5400
			Mg (Dissolved)	BCA6010D	ug/l	81000	99000	97000	83000	63000	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	79000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	96000	93000	85000	59000	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Water Table	XMW-28	Metals	Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	87000	64000	78000	80000
			Mn (Dissolved)	BCA6010D	ug/l	3000	4600	4600	3700	2100	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	2700	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	4300	4400	3800	2000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	3300	220	2200	1800
			Na (Dissolved)	BCA6010D	ug/l	90000	100000	100000	99000	85000	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	89000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	95000	96000	100000	83000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	97000	79000	96000	98000
			Ni (Dissolved)	BCA6010D	ug/l	< 40	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	140	< 40	< 40	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	4.2	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	16	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	11	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	14	20
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	250	190	200
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	840000	980000	1000000	920000	660000	900000	790000	830000	780000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	320000	300000	97000	470000
				BCA325.3T	ug/l	330000	370000	360000	290000	170000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	130	110	160	260	190	210	350	130	130
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.2	7.85	5.32	5.65
				BCAT	%	1.22	2.9	5.2	2.8	9.1	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1300
				BCA353.2T	ug/l	< 50	< 50	< 50	110	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	1900	NA
				BCA353.2T	ug/l	< 200	< 200	< 200	470	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	2500	2700	3000	780	1800	2900	2500	2500	2600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	40000	31000	120000	6600
				BCA375.4T	ug/l	27000	36000	54000	21000	26000	NA	NA	NA	NA
			Sulfide	BCA376.2T	ug/l	NA	NA	NA	NA	NA	NA	< 100	100	300
			Surfactants	BCA425.1T	ug/l	120	< 100	< 100	< 100	110	< 100	< 100	< 100	< 100
			TDS	BCA160.1T	ug/l	1500000	500000	1700000	1400000	1000000	1600000	1400000	1700000	1500000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	840000	980000	1000000	920000	660000	900000	790000	830000	780000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	560	370	< 200

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-28	Gen Mins	pH	BCA150.1T	units	6.8	6.7	6.8	6.5	6.7	6.5	6.9	6.6	6.6
	XMW-29	VOCs	Benzene	BCA8240.DT	ug/l	77000	40000	26000	21000	55000	3700	6600	24000	96000
			Chlorobenzene	BCA8010T	ug/l	NA	< 0.5	< 50	< 30	< 100	< 3	28	< 0.5	< 50
				BCA8240.DT	ug/l	< 1000	< 500	< 300	< 100	< 500	< 50	< 50	< 300	< 500
			Methylene chloride	BCA8010T	ug/l	NA	1.1	< 50	< 30	< 100	< 3	< 10	6.8	< 200
				BCA8240.DT	ug/l	< 1000	< 500	< 300	< 100	< 500	< 50	< 50	< 300	< 500
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	200	830	110
		SVOCs	Phenol	BCA8270T	ug/l	56	84	130	57	81	44	< 5	130	130
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+06	1E+05	1E+06	1E+05	1E+06	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+07>	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	920	< 100	< 100	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	320	380	460	260	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	310	410	470	260	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	85	95	97	80	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	78	90	97	72	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	140000	170000	190000	150000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	140000	170000	180000	130000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	75000	120000	120000	200000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	9.1	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	8	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	13000	19000	20000	12000	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	12000	18000	20000	11000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	26000	2600	1700	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	5800	5900	5800	5100	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5300	5600	5800	4600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	6300	6000	5700	5700
			Mg (Dissolved)	BCA6010D	ug/l	NA	42000	51000	55000	43000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	39000	48000	53000	37000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	23000	35000	39000	67000
			Mn (Dissolved)	BCA6010D	ug/l	NA	710	970	1100	930	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-29	Metals	Mn (Total)	BCA6010T	ug/l	NA	640	920	1000	810	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	810	980	930	2900
			Na (Dissolved)	BCA6010D	ug/l	NA	90000	89000	94000	92000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	84000	84000	92000	84000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	49000	64000	74000	98000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	20	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	670	840	1800
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	540000	700000	720000	580000	330000	500000	520000	760000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	41000	72000	75000	110000
				BCA325.3T	ug/l	NA	110000	98000	96000	100000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	370	360	490	400	290	580	350	430
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.4	2.75	1.63	4.86
				BCAT	%	NA	3	6.14	3.1	0.67	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	NA	< 50	< 50	81	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	NA	< 200	< 280	360	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	1300	1500	2200	1300	840	1200	1200	1600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	3900	5600	2200	< 2000
				BCA375.4T	ug/l	NA	63000	100000	19000	< 4000	NA	NA	NA	NA
			Sulfide	BCA376.2T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100
			Surfactants	BCA425.1T	ug/l	NA	150	< 100	< 100	< 100	< 100	< 100	120	130
			TDS	BCA160.1T	ug/l	NA	770000	840000	920000	750000	440000	640000	690000	970000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	540000	700000	720000	580000	330000	500000	520000	760000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	250	390	630
			pH	BCA150.1T	units	NA	7.1	6.9	6.7	6.9	6.7	6.7	6.7	6.7
	XMW-30	VOCs	Benzene	BCA8240.DT	ug/l	NA	17	< 0.5	2.2	< 0.5	< 0.5	< 0.5	< 0.5	3.9
			Ethylbenzene	BCA8240.DT	ug/l	NA	14	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	NA	< 5	< 5	< 5	6.3	< 5	< 5	< 5	< 5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+04	1E+04	1E+02+	1E+03	1E+04	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XMW-30	BTEX Deg	BTEX Degraders	BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+04	NA	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	220	< 100	< 100	< 100	100	< 100	< 100	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	340000	330000	340000	330000	300000	420000	380000	390000
			Cu (Total)	BCA6010TG	ug/l	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
			Fe (Total)	BCA6010TG	ug/l	NA	7900	< 76	660	620	370	< 40	650	< 40
			K (Total)	BCA6010TG	ug/l	NA	9700	10000	9700	9000	9700	10000	10000	9800
			Mg (Total)	BCA6010TG	ug/l	NA	58000	59000	58000	54000	54000	62000	66000	64000
			Mn (Total)	BCA6010TG	ug/l	NA	31	18	20	15	18	< 10	29	33
			Na (Total)	BCA6010TG	ug/l	NA	180000	190000	180000	170000	170000	190000	190000	180000
			Zn (Total)	BCA6010TG	ug/l	NA	< 10	< 12	< 10	< 10	< 10	< 10	18	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	< 100	190	< 160
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	440000	450000	470000	480000	460000	470000	500000	490000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	550000	660000	660000	650000
				BCA325.3T	ug/l	NA	620000	610000	590000	560000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	190	300	310	240	370	400	180	170
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.68	4.6	0.85	2.29
				BCAT	%	NA	4.5	3.15	2.5	0.35	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	86000
				BCA353.2T	ug/l	NA	4700	5900	14000	11000	12000	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	19000	100000	NA
				BCA353.2T	ug/l	NA	21000	26000	62000	49000	52000	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	2800	2800	4400	2600	2900	3600	3300	2900
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	93000	120000	88000	83000
				BCA375.4T	ug/l	NA	51000	59000	45000	66000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 100	< 100	< 100	< 100	130	< 100	370	140
			TDS	BCA160.1T	ug/l	NA	1600000	2400000	1800000	1500000	2000000	2700000	2800000	2000000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	440000	450000	470000	480000	460000	470000	500000	490000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	420	1500	1300
			pH	BCA150.1T	units	NA	6.9	7.3	7.0	6.8	6.7	6.8	6.7	6.8
	XP-01	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XP-01	Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XP-02	VOCs	Benzene	BCA8240.DT	ug/l	1.6	3.0	37	0.78	0.80	0.60	< 0.5	0.92	9.1
			Chlorobenzene	BCA8010T	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.8	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			1,1-Dichloroethane	BCA8010T	ug/l	NA	< 0.5	0.50	< 0.5	< 0.5	0.93	1.5	0.58	0.59
				BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	1.2	< 1	1.3	1.3
			1,1-Dichloroethene	BCA8010T	ug/l	NA	0.81	< 0.5	0.60	< 0.5	1.5	2.6	1.5	2.6
				BCA8240.DT	ug/l	< 0.5	< 0.5	0.99	1.1	< 0.5	2.2	2.0	2.6	3.1
			Naphthalene	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	1.4	< 1
				BCA8270T	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
			Tetrachloroethene	BCA8010T	ug/l	NA	23	21	27	20	81	77	85	120
				BCA8240.DT	ug/l	16	24	20	19	16	68	75	84	80
			Toluene	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	0.70	< 1	< 1	< 1	< 1
			1,1,1-Trichloroethane	BCA8010T	ug/l	NA	0.75	0.80	< 0.5	< 0.5	1.4	0.63	< 0.5	< 0.5
				BCA8240.DT	ug/l	1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Trichloroethene	BCA8010T	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	0.82	1.3	< 0.5	0.55
				BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.0
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Di-n-butylphthalate	BCA8270T	ug/l	< 5	6.8	< 5	< 5	< 10	< 5	< 5	< 5	< 5
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 100	< 100	< 100	290	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	30	27	35	14	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	34	26	32	20	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	92	99	100	88	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	90	93	100	89	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	190000	210000	220000	200000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	190000	200000	210000	200000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	150000
			Fe (Dissolved)	BCA6010D	ug/l	NA	2700	3600	1700	2500	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	2900	3700	1900	2900	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	5200	5700	5800	5400	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Water Table	XP-02	Metals	K (Total)	BCA6010T	ug/l	NA	5000	5400	5700	5100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4600
			Mg (Dissolved)	BCA6010D	ug/l	NA	62000	67000	67000	62000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	60000	64000	65000	60000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	49000
			Mn (Dissolved)	BCA6010D	ug/l	NA	2100	2300	2200	1900	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2000	2200	2200	1900	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1300
			Na (Dissolved)	BCA6010D	ug/l	NA	130000	140000	140000	130000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	120000	130000	130000	130000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 12	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 17	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	13
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	700000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	38000
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	2.89
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	1400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	410
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	870000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	700000
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.8
	XUBT-03	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
MBFB	PZL0021	VOCs	Benzene	BCA8240.DT	ug/l	580000	9200	11000	29000	35000	23000	17800	23000	28000
			Chlorobenzene	BCA8010T	ug/l	NA	< 100	< 50	< 50	< 500	< 30	< 30	11	< 30
				BCA8240.DT	ug/l	< 5000	< 100	< 100	< 500	< 200	< 200	< 200	< 300	< 300
			1,2-Dichloroethane	BCA8010T	ug/l	NA	< 100	< 50	< 50	< 500	< 30	70	44	< 30
				BCA8240.DT	ug/l	< 5000	< 50	< 50	< 300	< 100	< 100	< 100	< 200	< 200

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	PZL0021	VOCs	Methylene chloride	BCA8010T	ug/l	NA	< 100	< 50	< 50	< 500	< 30	< 100	< 20	< 100
				BCA8240.DT	ug/l	< 5000	< 100	< 100	< 500	< 200	740	< 200	280	< 300
			Toluene	BCA8240.DT	ug/l	14000	320	310	530	860	260	250	< 300	< 300
			Trichloroethene	BCA8010T	ug/l	NA	< 100	< 50	< 50	< 500	< 30	38	31	31
				BCA8240.DT	ug/l	< 5000	< 100	< 100	< 500	< 200	< 200	< 200	< 300	< 300
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	47	50	3.6
		SVOCs	Phenol	BCA8270T	ug/l	NA	5.3	8.5	21	27	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	< 100	190	140	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	440	< 100	130	< 100	NA	NA	NA	NA
			As (Dissolved)	BCA7060D	ug/l	NA	34	25	27	25	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	< 2	30	32	26	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	140	120	140	130	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	140	130	130	130	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	300000	280000	310000	340000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	300000	290000	310000	280000	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	18	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	2900	2800	3200	3200	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	3400	3000	3400	3200	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	7200	6400	7000	7000	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	7100	6500	7100	6600	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	83000	77000	81000	79000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	82000	76000	82000	74000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	2700	2500	2800	2600	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2700	2600	2700	2500	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	92000	83000	89000	90000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	90000	84000	94000	83000	NA	NA	NA	NA
			Ni (Dissolved)	BCA6010D	ug/l	NA	230	< 40	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	5.3	< 2	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	PZL0021	Metals	Zn (Dissolved)	BCA6010D	ug/l	NA	53	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	12	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0001	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0002	VOCs	Benzene	BCA8240.DT	ug/l	280000	260000	170000	250000	180000	270000	240000	310000	290000
				TEG8020T	ug/l	318500	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethene	BCA8010T	ug/l	NA	< 50	< 30	< 50	< 500	< 100	33	7.5	< 200
				BCA8240.DT	ug/l	< 3000	< 3000	< 500	< 5000	< 5000	< 1000	< 1000	< 20000	< 1000
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 50	< 30	< 50	< 500	< 100	45	43	< 200
				BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
			Ethylbenzene	BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG8020T	ug/l	195	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	< 50	< 30	< 50	< 500	< 100	240	95	< 200
				BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG601T	ug/l	88	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG8020T	ug/l	537	NA	NA	NA	NA	NA	NA	NA	NA
			1,1,1-Trichloroethane	BCA8010T	ug/l	NA	< 50	< 30	< 50	< 500	< 100	< 3	< 5	< 200
				BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG601T	ug/l	38	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	580	< 30	230	< 500	230	680	220	400
				BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG601T	ug/l	282	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 5000	< 5000	< 1000	< 10000	< 10000	< 2000	< 2000	< 30000	< 2000
				TEG8020T	ug/l	117	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	< 2	2.9	< 2
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0002	PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+06	1E+04	1E+07	>1E+07	1E+05 - 1E+07	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+01	NA	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	< 100	110	430	160	< 100	< 100	1100	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	310000	270000	330000	300000	280000	250000	270000	290000
			Fe (Total)	BCA6010TG	ug/l	NA	1600	2100	3100	2000	270	< 40	4500	290
			K (Total)	BCA6010TG	ug/l	NA	12000	10000	12000	11000	11000	10000	11000	11000
			Mg (Total)	BCA6010TG	ug/l	NA	90000	76000	94000	83000	82000	75000	89000	87000
			Mn (Total)	BCA6010TG	ug/l	NA	2900	2700	3100	3000	2800	3000	2700	3300
			Na (Total)	BCA6010TG	ug/l	NA	140000	120000	150000	130000	130000	120000	130000	120000
			Zn (Total)	BCA6010TG	ug/l	NA	< 10	< 10	< 10	< 10	< 10	< 10	350	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	420	< 100	300
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	630000	560000	640000	580000	600000	670000	680000	710000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	420000	440000	520000	470000
				BCA325.3T	ug/l	NA	510000	410000	490000	410000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	280	320	210	160	180	320	110	150
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.2	6.8	2.06	3.64
				BCAT	%	NA	1.3	1.55	NA	1.9	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	NA	54	< 50	93	< 50	80	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1000	1200	NA
				BCA353.2T	ug/l	NA	240	< 200	410	< 200	350	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	2600	2400	4900	2900	2800	2700	2900	2600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	97000	84000	61000	82000
				BCA375.4T	ug/l	NA	120000	120000	91000	130000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 100	120	< 100	< 100	< 100	< 100	130	110
			TDS	BCA160.1T	ug/l	NA	1600000	1400000	1400000	1500000	1400000	1800000	2200000	1600000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	630000	560000	640000	580000	600000	670000	680000	710000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	990	1400	1100
			pH	BCA150.1T	units	NA	6.8	6.84	6.7	6.8	6.8	6.8	6.8	6.7
	SWL0003	VOCs	Benzene	BCA8240.DT	ug/l	270000	520000	570000	470000	340000	430000	350000	330000	340000
				TEG8020T	ug/l	526100	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethene	BCA8010T	ug/l	NA	< 30	< 30	< 50	< 500	< 100	< 200	11	< 300
				BCA8240.DT	ug/l	< 3000	< 3000	< 3000	< 5000	< 5000	< 3000	< 3000	< 2000	< 1000
				TEG601T	ug/l	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0003	VOCs	cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 30	29	< 50	< 500	< 100	< 200	< 5	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
			Ethylbenzene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG8020T	ug/l	1154	NA	NA	NA	NA	NA	NA	NA	NA
			Styrene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG8020T	ug/l	95.3	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	< 30	140	< 50	< 500	< 100	< 200	13	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG601T	ug/l	3.3	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG8020T	ug/l	321	NA	NA	NA	NA	NA	NA	NA	NA
			1,1,1-Trichloroethane	BCA8010T	ug/l	NA	< 30	< 30	< 50	< 500	< 100	< 200	< 5	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG601T	ug/l	2.6	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	190	660	< 50	< 500	< 100	< 200	7.3	< 300
				BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG601T	ug/l	10.2	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 5000	< 5000	< 5000	< 10000	< 10000	< 5000	< 5000	< 3000	< 2000
				TEG8020T	ug/l	117	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0004	VOCs	Benzene	BCA8240.DT	ug/l	840000	1800000	1500000	1400000	900000	2200000	1400000	1200000	1700000
				TEG8020T	ug/l	1689000	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	< 5000	< 20000	< 20000	< 10000	< 10000
				TEG8020T	ug/l	145	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8010T	ug/l	NA	< 30	160	< 500	< 500	< 100	< 200	< 30	< 300
				BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	< 5000	< 20000	< 20000	< 10000	< 10000
				TEG601T	ug/l	< 50.00	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	7200	< 20000	< 20000	< 10000	< 10000
				TEG8020T	ug/l	1912	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8010T	ug/l	NA	< 30	870	< 500	< 500	< 100	< 200	< 30	< 300

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0004	VOCs	Trichloroethene	BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	< 5000	< 20000	< 20000	< 10000	< 10000
				TEG601T	ug/l	< 50.00	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 10000	< 10000	< 10000	< 20000	< 5000	< 20000	< 20000	< 10000	< 10000
				TEG8020T	ug/l	637	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	ND	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	>1E+01	<1E+01	<1E+01	1E+04 - 1E+05	1E+02	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+01	NA	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	< 120	230	< 100	< 100	< 100	< 100	120	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	210000	200000	240000	250000	210000	220000	220000	240000
			Fe (Total)	BCA6010TG	ug/l	NA	380	400	83	59	< 40	< 40	140	< 40
			K (Total)	BCA6010TG	ug/l	NA	11000	9600	11000	11000	10000	11000	11000	11000
			Mg (Total)	BCA6010TG	ug/l	NA	47000	46000	55000	66000	53000	53000	70000	70000
			Mn (Total)	BCA6010TG	ug/l	NA	430	360	400	410	370	350	480	480
			Na (Total)	BCA6010TG	ug/l	NA	91000	88000	110000	120000	98000	97000	120000	120000
			Zn (Total)	BCA6010TG	ug/l	NA	< 10	< 10	< 10	< 10	< 15	< 10	280	18
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	830	< 100	< 100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	530000	530000	570000	630000	570000	650000	720000	690000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	250000	270000	340000	290000
				BCA325.3T	ug/l	NA	240000	230000	290000	350000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	170	390	190	120	140	240	< 100	120
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.27	6.2	4.78	1.01
				BCAT	%	NA	0.46	0.65	2.19	1.6	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	680
				BCA353.2T	ug/l	NA	130	81	190	< 50	50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	NA	580	360	840	< 200	220	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	1700	1700	1900	2500	2100	2300	2300	2000
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	44000	71000	44000	29000
				BCA375.4T	ug/l	NA	24000	26000	68000	32000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 100	< 100	< 100	< 100	< 100	< 100	130	140
			TDS	BCA160.1T	ug/l	NA	920000	1100000	1100000	1200000	1000000	1400000	1500000	1200000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	530000	530000	570000	630000	570000	650000	720000	690000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0004	Gen Mins	Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	710	920	960
			pH	BCA150.1T	units	NA	6.8	6.9	6.9	6.8	6.9	6.8	6.8	6.7
	SWL0010	VOCs	Carbon disulfide	BCA8240.DT	ug/l	< 2	< 2	NA	< 2	< 2	< 2	< 2	3.0	< 2
			Chloroform	BCA8240.DT	ug/l	< 0.5	0.76	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	5.6	2	< 2	3.5	2.3	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	2.1	< 2	2.6	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	20	22	23	28	30	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	22	22	28	33	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	110000	110000	89000	93000	90000	NA	NA	NA	NA
			Ca (Total)	BCA6010DG	ug/l	110000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	100000	87000	89000	95000	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	6.7	7.9	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	10	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 40	< 40	< 40	< 81	< 40	NA	NA	NA	NA
			Fe (Total)	BCA6010DG	ug/l	45	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 59	54	110	230	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	6500	6000	5400	6000	5800	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	6600	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	5600	5300	5700	5900	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	27000	24000	21000	21000	21000	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	27000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	23000	20000	21000	22000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	64	31	22	19	39	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	31	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	28	21	34	44	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	84000	78000	75000	97000	110000	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	84000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	73000	74000	97000	110000	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	100	< 10	< 10	< 10	< 10	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0010	Metals	Zn (Total)	BCA6010DG	ug/l	< 10	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 10	< 10	< 10	< 16	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	160000	NA	NA	NA	NA	NA	NA	NA	NA
			Chloride	BCA325.3T	ug/l	200000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	280	NA	NA	NA	NA	NA	NA	NA	NA
			Ion Balance	BCAT	%	1.53	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as N)	BCA353.2T	ug/l	2700	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2T	ug/l	12000	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	1200	NA	NA	NA	NA	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	140000	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	710000	NA	NA	NA	NA	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	160000	NA	NA	NA	NA	NA	NA	NA	NA
			pH	BCA150.1T	units	8.0	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0011	VOCs	Benzene	BCA8240.DT	ug/l	< 0.5	5.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Chloroform	BCA8240.DT	ug/l	< 0.5	< 0.5	20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Freon 11	BCA8240.DT	ug/l	< 1	< 1	2.2	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010DG	ug/l	45000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	48000
			K (Total)	BCA6010DG	ug/l	4600	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4000
			Mg (Total)	BCA6010DG	ug/l	11000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	9800
			Mn (Total)	BCA6010DG	ug/l	19	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	13
			Na (Total)	BCA6010DG	ug/l	51000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	45000
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	170000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	26000
				BCA325.3T	ug/l	29000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	260	NA	NA	NA	NA	NA	NA	NA	160
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	0.18

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	SWL0011	Gen Mins	Ion Balance	BCAT	%	3.06	NA	NA	NA	NA	NA	NA	NA	NA
			Ortho Phosphate (as PO4)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	160
			Specific Conductivity	BCA120.1T	umhos	540	NA	NA	NA	NA	NA	NA	NA	520
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	60000
				BCA375.4T	ug/l	71000	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	330000	NA	NA	NA	NA	NA	NA	NA	350000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	170000
			pH	BCA150.1T	units	7.6	NA	NA	NA	NA	NA	NA	NA	7.6
	SWL0019	VOCs	Benzene	BCA8240.DT	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	0.59	< 0.5	< 0.5	< 0.5	< 0.5
			Carbon disulfide	BCA8240.DT	ug/l	< 2	< 2	NA	12	< 2	< 2	8.7	< 2	< 2
			1,1-Dichloroethane	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	1.0	< 1	< 1	< 1	< 1
			Vinyl chloride	BCA8240.DT	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	1.4	< 0.5	< 0.5	< 0.5
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	100	3.2	3.3
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	36	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	110000	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	71	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	5600	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	28000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	430	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	87000	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	360000	NA	NA	NA	NA	NA	NA	NA	NA
			Chloride	BCA325.3T	ug/l	72000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	180	NA	NA	NA	NA	NA	NA	NA	NA
			Ion Balance	BCAT	%	0.8	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as N)	BCA353.2T	ug/l	160	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2T	ug/l	720	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	1100	NA	NA	NA	NA	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	110000	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	660000	NA	NA	NA	NA	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	360000	NA	NA	NA	NA	NA	NA	NA	NA
			pH	BCA150.1T	units	7.2	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0023	VOCs	Acetone	BCA8240.DT	ug/l	< 100	23	< 10	< 10	< 10	< 10	< 10	< 10	< 10

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0023	VOCs	1,2-Dichloroethane	BCA8240.DT	ug/l	46	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Ethylbenzene	BCA8020T	ug/l	NA	NA	2.4	NA	NA	NA	NA	NA	NA
				BCA8240.DT	ug/l	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Methyl isobutyl ketone (MIBK)	BCA8240.DT	ug/l	< 30	< 3	< 3	480	< 3	< 3	< 3	< 3	< 3
			Toluene	BCA8015MT	ug/l	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	1.2	NA	< 0.5	4.1	6.4	3.5	5.5
				BCA8240.DT	ug/l	< 10	< 1	< 1	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+02	1E+02	1E+05 - 1E+06	1E+02	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	< 5.6	5.5	3.7	5	5.7	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	5.3	4.7	5.7	4.6	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	15	16	15	19	19	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	16	17	18	19	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	72000	78000	78000	80000	82000	NA	NA	NA	NA
			Ca (Total)	BCA6010DG	ug/l	70000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	77000	75000	86000	82000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	79000	77000	77000	84000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	0.4	< 1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 40	< 40	< 40	53	< 150	NA	NA	NA	NA
			Fe (Total)	BCA6010DG	ug/l	< 40	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 43	< 40	< 81	< 120	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	99	< 40	160	< 40
			K (Dissolved)	BCA6010D	ug/l	5000	5100	4700	5100	5000	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	4900	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	5100	4800	5400	4900	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	5000	4900	4800	4700
			Mg (Dissolved)	BCA6010D	ug/l	15000	16000	17000	18000	18000	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	15000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	16000	16000	19000	19000	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	SWL0023	Metals	Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	19000	19000	20000	21000
			Mn (Dissolved)	BCA6010D	ug/l	99	140	150	180	190	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	92	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	140	150	180	190	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	210	190	240	280
			Na (Dissolved)	BCA6010D	ug/l	85000	75000	66000	67000	67000	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	86000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	74000	66000	72000	66000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	64000	62000	59000	60000
			Zn (Dissolved)	BCA6010D	ug/l	< 10	< 10	< 10	< 10	< 14	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	< 10	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 10	< 10	< 11	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	120	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 100	290
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	170000	180000	180000	190000	180000	180000	190000	190000	200000
			Carbonate (as CaCO3)	BCA310.1T	ug/l	8500	< 2000	< 1000	< 1000	< 1000	< 1000	< 10000	< 10000	< 10000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	65000	59000	57000	58000
				BCA325.3T	ug/l	61000	67000	76000	91000	62000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	300	360	380	270	370	260	400	250	220
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	2.97	2.21	0.12	1.89
				BCAT	%	0.75	5.9	0.46	4.55	2.3	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	170	< 50	< 50	61	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 200	< 500	NA
				BCA353.2T	ug/l	770	< 200	< 200	270	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	830	780	810	910	840	910	950	850	800
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	120000	130000	130000	130000
				BCA375.4T	ug/l	150000	90000	120000	140000	140000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	260	750	760	410	200	290	270	340	300
			TDS	BCA160.1T	ug/l	NA	470000	490000	490000	540000	520000	560000	520000	540000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	180000	180000	180000	190000	180000	180000	190000	190000	200000
			pH	BCA150.1T	units	8.6	7.9	7.5	7.4	7.3	7.3	7.3	7.3	7.2
	SWL0029	VOCs	Benzene	BCA8015MT	ug/l	NA	NA	NA	0.92	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	< 0.5	NA	1.1	1.1	1.7	0.88	0.75
				BCA8240.DT	ug/l	NA	2.0	NA	NA	NA	NA	NA	NA	NA
				BCA8260T	ug/l	< 40	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0029	VOCs	Chloroform	BCA8240.DT	ug/l	NA	2.0	< 3	< 5	< 5	< 5	< 3	< 5	3.3
				BCA8260T	ug/l	< 20	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethane	BCA8240.DT	ug/l	NA	1.3	< 5	< 10	< 10	< 10	< 5	< 10	< 5
				BCA8260T	ug/l	< 20	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethene	BCA8240.DT	ug/l	NA	7.6	< 3	12	9.6	< 5	9.0	< 5	11
				BCA8260T	ug/l	< 20	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8240.DT	ug/l	NA	13	12	13	10	12	13	14	23
				BCA8260T	ug/l	< 20	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8240.DT	ug/l	NA	380	300	280	240	230	290	240	350
				BCA8260T	ug/l	< 270	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	NA	980	750	980	630	790	800	730	1100
				BCA8260T	ug/l	< 610	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			< 30	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	1E+03	1E+01+	1E+02	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	4.6	10	< 6.1	4	3.5	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	9.9	< 7	3.7	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	58	40	39	67	71	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	43	36	65	64	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	88000	81000	71000	88000	90000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	81000	66000	88000	80000	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	35	31	21	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	28	< 29	27	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	37	49	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	40	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 40	< 40	< 40	180	< 40	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	7400	7800	7100	8500	8600	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	7500	6800	8500	7900	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	15000	11000	11000	15000	15000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	11000	10000	15000	14000	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	84000	85000	78000	86000	83000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	82000	73000	87000	77000	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	38000	NA	160000	190000	210000	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0029	Gen Mins	Chloride	BCA325.3T	ug/l	110000	NA	120000	130000	110000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	370	NA	250	270	290	NA	NA	NA	NA
			Ion Balance	BCAT	%	24	NA	0.94	3.08	3.4	NA	NA	NA	NA
			Nitrate (as N)	BCA353.2T	ug/l	790	NA	1200	2900	740	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2T	ug/l	3500	NA	5600	13000	3300	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	940	NA	830	1000	1100	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	89000	NA	55000	58000	72000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	120	NA	< 100	< 100	< 100	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	760000	NA	490000	520000	560000	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	38000	NA	160000	190000	210000	NA	NA	NA	NA
			pH	BCA150.1T	units	8.3	NA	8.4	7.9	7.8	NA	NA	NA	NA
	SWL0032	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0037	VOCs	Benzene	BCA8240.DT	ug/l	NA	0.53	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			sec-Butylbenzene	BCA8240.DT	ug/l	NA	< 1	10	9.3	14	11	11	8.8	10
			Isopropylbenzene	BCA8240.DT	ug/l	NA	1.2	1.0	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	6	6.7	5.2	3.7	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	5.9	5.8	5	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	10	11	12	12	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	10	< 11	< 12	13	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	66000	71000	64000	72000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	66000	66000	64000	75000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	69000	66000	66000	74000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	SWL0037	Metals	Cd (Dissolved)	BCA7131D	ug/l	NA	2.4	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	2.7	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	< 40	49	< 110	200	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	< 55	< 40	140	240	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	260	< 40	260	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	3800	4200	4300	3800	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	3900	4000	4100	3700	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	3700	3500	3500	3800
			Mg (Dissolved)	BCA6010D	ug/l	NA	12000	13000	12000	12000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	12000	12000	12000	13000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	12000	12000	13000	13000
			Mn (Dissolved)	BCA6010D	ug/l	NA	73	100	120	120	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	74	94	120	130	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	120	110	120	120
			Na (Dissolved)	BCA6010D	ug/l	NA	56000	60000	55000	54000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	57000	55000	54000	56000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	54000	49000	51000	51000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 29	< 10	140	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	160	< 100	< 100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	190000	190000	220000	200000	200000	200000	200000	200000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	49000	53000	49000	54000
				BCA325.3T	ug/l	NA	58000	56000	54000	56000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	380	320	340	390	290	350	240	280
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.3	7.31	1.55	0.68
				BCAT	%	NA	1.07	4.03	6.6	1.1	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	NA	< 50	< 50	63	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	NA	< 200	< 200	280	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	640	670	750	690	750	780	710	690
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	62000	78000	70000	74000
				BCA375.4T	ug/l	NA	57000	64000	61000	73000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 100	< 100	< 100	< 100	< 100	< 100	< 100	160
			TDS	BCA160.1T	ug/l	NA	390000	390000	390000	420000	400000	420000	410000	380000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0037	Gen Mins	Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	190000	190000	220000	200000	200000	200000	200000	200000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1600	< 1300	< 1000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	190	310	< 200
			pH	BCA150.1T	units	NA	7.9	7.8	7.9	7.7	7.6	7.6	7.6	7.6
	SWL0041	VOCs	Benzene	BCA8240.DT	ug/l	NA	14000	13000	14000	1300	12000	120000	8100	8500
			Bromochloromethane	BCA8010T	ug/l	NA	NA	NA	21.6	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8010T	ug/l	NA	< 200	3.7	< 30	< 50	< 20	< 10	< 5	< 10
				BCA8240.DT	ug/l	NA	< 100	< 200	< 200	< 20	< 100	< 1000	< 50	< 50
			Chloroform	BCA8010T	ug/l	NA	< 200	2.4	< 30	< 50	< 20	< 10	< 5	< 10
				BCA8240.DT	ug/l	NA	< 50	< 100	< 100	< 10	< 50	< 500	< 30	< 30
			Dibromochloromethane	BCA8010T	ug/l	NA	< 200	3.7	< 30	< 50	< 20	< 10	< 5	< 10
				BCA8240.DT	ug/l	NA	< 100	< 200	< 200	< 20	< 100	< 1000	< 50	< 50
			1,2-Dichloroethane	BCA8010T	ug/l	NA	< 200	8.3	< 30	< 50	< 20	28	< 5	< 10
				BCA8240.DT	ug/l	NA	< 50	< 100	< 100	< 10	< 50	< 500	< 30	< 30
			Ethylbenzene	BCA8240.DT	ug/l	NA	600	500	410	36	290	3200	130	240
			Methylene chloride	BCA8010T	ug/l	NA	< 200	0.61	< 30	< 50	< 20	< 40	< 20	< 40
				BCA8240.DT	ug/l	NA	< 100	< 200	< 200	< 20	< 100	< 1000	< 50	< 50
			Naphthalene	BCA8240.DT	ug/l	NA	< 100	< 200	< 200	< 20	< 100	< 1000	< 50	< 50
				BCA8270T	ug/l	NA	35	27	16	22	15	11	7.4	< 5
			Trichloroethene	BCA8010T	ug/l	NA	< 200	0.98	< 30	< 50	< 20	< 10	< 5	< 10
				BCA8240.DT	ug/l	NA	< 100	< 200	< 200	< 20	< 100	< 1000	< 50	< 50
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	7.2	7.0	< 2
		SVOCs	2,4-Dimethylphenol	BCA8270T	ug/l	NA	< 5	< 5	< 5	41	26	11	< 5	< 5
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	< 100	< 100	< 100	< 100	5600	< 100	< 100
				BCAICT	ug/l	NA	< 100	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 100	< 100	120	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	7.3	8.6	9.8	11	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	6.6	< 8.4	10	6.4	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	84	79	80	83	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	86	81	83	78	NA	NA	NA	NA
			Be (Dissolved)	BCA6010D	ug/l	NA	< 1	< 1	< 1	1.2	NA	NA	NA	NA
			Be (Total)	BCA6010T	ug/l	NA	< 1	< 1	< 1	< 1	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	SWL0041	Metals	Ca (Dissolved)	BCA6010D	ug/l	NA	700000	700000	670000	730000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	730000	750000	730000	670000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	650000	620000	590000	650000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	8.8	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	14	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	NA	24	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	30	NA	NA	NA	NA	NA	NA	NA
			Cu (Dissolved)	BCA6010D	ug/l	NA	< 20	< 20	< 20	23	NA	NA	NA	NA
			Cu (Total)	BCA6010T	ug/l	NA	< 20	< 20	< 20	25	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20
			Fe (Dissolved)	BCA6010D	ug/l	NA	240	370	460	1100	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	360	500	620	1100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	95	59	2800	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	12000	11000	11000	11000	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	12000	12000	12000	10000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	11000	9600	9600	9700
			Mg (Dissolved)	BCA6010D	ug/l	NA	130000	140000	150000	140000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	140000	140000	150000	130000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	130000	110000	120000	120000
			Mn (Dissolved)	BCA6010D	ug/l	NA	690	800	910	910	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	720	850	930	840	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	820	750	910	950
			Na (Dissolved)	BCA6010D	ug/l	NA	480000	450000	440000	460000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	510000	480000	470000	420000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	430000	370000	350000	350000
			Ni (Dissolved)	BCA6010D	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	190	< 40	< 40	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 2	2.8	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 17	< 10	290	27
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	170	< 100	< 100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	350000	310000	340000	320000	320000	330000	350000	350000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	1500000	1200000	1200000	1200000
				BCA325.3T	ug/l	NA	1600000	1500000	1500000	1500000	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0041	Gen Mins	Fluoride	BCA340.2T	ug/l	NA	160	120	130	120	120	170	< 100	< 100
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	4.3	3.9	5.1	0.73
				BCAT	%	NA	3.27	9.2	5.7	7.8	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 20000
				BCA353.2T	ug/l	NA	< 50	< 50	86	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1100	910	NA
				BCA353.2T	ug/l	NA	NA	< 200	380	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	6000	5900	6700	6300	6100	6000	5200	5300
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	420000	540000	380000	840000
				BCA375.4T	ug/l	NA	540000	370000	410000	490000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	8900	16000	40000	71000	53000	6500	10000	49000
			TDS	BCA160.1T	ug/l	NA	4700000	4100000	5100000	4200000	3900000	5100000	4200000	3800000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	350000	310000	340000	320000	320000	330000	350000	350000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 400	19000	< 30000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	16000	16000	< 5000
			pH	BCA150.1T	units	NA	6.8	6.7	6.7	6.7	6.6	6.6	6.7	6.7
	SWL0047	VOCs	sec-Butylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	12	13
			Chloroform	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 0.5	< 0.5
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	0.62	< 0.5
			Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	85	67
			Isopropylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	6.5	7.9
			n-Propylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	1.1	< 1
			Tetrachloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	1.4	< 0.5
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 10
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+04	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	92000	96000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5300	5600
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	23000	25000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	67	93
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	76000	72000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	23	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	250	190

NA - C[illegible]ound or compound class was not analyzed during this event. ND - Not detected above lab[illegible]ory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	SWL0047	Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	200000	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	130000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	290	160
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	2.3	1.7
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1000	1000
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	120000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	110	130
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	660000	630000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	200000	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	510	230
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.5	7.5
	SWL0048	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	42000	43000
			Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	7000	16000
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2,4-Dimethylphenol	BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	9.0	< 5
			Phenol	BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	17	5.7
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+04	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	190000	190000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	< 40	43
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6500	5500
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	58000	58000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1900	2300
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	89000	81000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	16	< 10
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	670000	680000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	140000	140000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	250	230
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.74	3.13
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1700	1600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	56000	58000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1100000	990000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	670000	680000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	480	270
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.8	6.8

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0049	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	170	160
			Chlorobenzene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	2100	1800
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	1900	1900
			Chloroform	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	6.2	< 10
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	< 10
			Cyclohexane	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	210	260
			1,4-Dichlorobenzene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	13	< 10
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 20
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	6.3	< 5
			1,2-Dichloroethane	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	79	110
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	69	150
			Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	66	98
			Isopropylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	17	22
			n-Propylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	13	< 20
			Trichloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	6.1	< 10
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 20
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	84	< 20
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 20
			Xylenes (Total)	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	15	36
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	NA	11	5.0
		SVOCs	2-Methylnaphthalene	BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	7.6
			N-Nitrosodipropylamine	BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	7.5
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	26000	16000
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+04	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	220000	220000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	< 40	43
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5700	5200
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	79000	78000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	3700	3800
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	200000	200000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	20	< 10
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	750000	780000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	270000	270000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	240	300
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.84	1.26

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	SWL0049	Gen Mins	Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	2500	2400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	200000	160000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1500	1200
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1700000	1500000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	750000	780000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	940	610
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.7	6.9
	SWL0050	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	53000	82000
			1,2-Dichloroethane	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	57
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 500	< 300
			Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 1000	2300
			Naphthalene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 1000	< 500
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	160	270
			Toluene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 1000	940
			Xylenes (Total)	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 1000	1400
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2-Methylnaphthalene	BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	14	26
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+02>	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	210000	260000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6600	1700
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5000	6900
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	64000	82000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	2400	2900
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	220000	310000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	30	< 10
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	350000	410000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	420000	650000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	250	180
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	1.32	0.73
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	2500	3000
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	320000	300000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	10000	33000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1800000	2100000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	350000	410000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0050	Gen Mins	Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	450	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.7	6.8
	SWL0052	VOCs	Acetone	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	12	< 10
			Freon 12	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	12	12
			Tetrachloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	3.8	3.8
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	3.4	3.8
			Trichloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 0.5	0.53
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+04	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	150000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	120	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6300	6500
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	29000	30000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	69	89
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	85000	84000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	390	< 10
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	240000	240000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	97000	110000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	150	280
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.5	2.17
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	11000
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	12000	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1300	1300
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	250000	250000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	140	130
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	910000	880000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	240000	240000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	1000	610
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.4	7.5
	SWL0056	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	NA	2.3	< 2

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XDM-02	Gen Mins	Chloride	BCA325.3T	ug/l	150000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	110	NA	NA	NA	NA	NA	NA	NA	NA
			Ion Balance	BCAT	%	5.88	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as N)	BCA353.2T	ug/l	1000	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2T	ug/l	4500	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	1800	NA	NA	NA	NA	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	1200	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	1200000	NA	NA	NA	NA	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	700000	NA	NA	NA	NA	NA	NA	NA	NA
			pH	BCA150.1T	units	7.0	NA	NA	NA	NA	NA	NA	NA	NA
	XG-01WC	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	21	1.7	2.9	3.2
			sec-Butylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	1.9	2.1	4.1	5.8
			Carbon disulfide	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	< 2	2.4	< 2	< 2
			Cyclohexane	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	19	38	87	82
			Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	3.7	4.3	3.2	7.0
			Isopropylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	3.0	3.9	7.4	9.3
			n-Propylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	< 1	< 1	2.0	2.7
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	250000	270000	280000	320000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	140	< 40	200	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	8400	8000	7900	8400
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	53000	58000	61000	72000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	480	460	750	1300
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	120000	120000	120000	130000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 17	24	150	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 100	1400
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	190000	230000	210000	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	480000	460000	510000	620000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	180	300	210	190
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.07	0.86	3.8	3.74
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	640	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	SWL0056	SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+03	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	160000	170000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	78	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6400	6700
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	40000	42000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	820	1000
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	90000	90000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	26	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	330	< 140
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	410000	400000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	130000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	130
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.52	4.11
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1400	1400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	160000	150000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	2000	2000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	980000	960000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	410000	400000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	760	410
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.9	7.0
	XDM-02	VOCs	Benzene	BCA8240.DT	ug/l	200000	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Phenol	BCA8270T	ug/l	24	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010DG	ug/l	210000	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	7500	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	53000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	250	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	110000	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	10	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	700000	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XG-02WC	Gen Mins	Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	300	260	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	8.0	7.9	7.9	7.5
	XGW-07C	VOCs	Toluene	BCA8240.DT	ug/l	NA	2.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	32	24	34	33	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	33	23	34	33	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	110000	62000	120000	110000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	110000	60000	110000	110000	NA	NA	NA	NA
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	10	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	7	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	72	< 40	< 40	< 130	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	67	180	91	230	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	NA	4900	3600	5400	5100	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5100	3500	5200	4800	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	NA	27000	15000	28000	27000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	28000	15000	27000	26000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	NA	240	68	250	240	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	250	66	280	280	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	NA	67000	52000	70000	70000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	70000	50000	69000	66000	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 2.7	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	2.7	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 18	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-01	VOCs	Benzene	BCA8240.DT	ug/l	NA	7200	8000	7000	8400	8800	5900	NA	6900
			Chlorobenzene	BCA8240.DT	ug/l	NA	64000	85000	80000	86000	86000	82000	NA	74000
			Chloroform	BCA8240.DT	ug/l	NA	17000	19000	16000	16000	21000	11000	NA	15000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XG-01WC	Gen Mins	Nitrate (as NO3)	BCA353.2T	ug/l	NA	NA	NA	NA	NA	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	2500	2500	2500	2700
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	190000	230000	210000	240000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	28000	5300	8200	70000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	1500000	1900000	1900000	2100000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	190000	230000	210000	190000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 400	13000	< 1000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	540	360	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	7.4	7.3	7.3	7.1
	XG-02WC	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	13	< 0.5	< 0.5	< 0.5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 170	< 100	130	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	68000	61000	60000	65000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	77	< 40	83	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	4600	3900	4000	3900
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	12000	12000	12000	14000
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	61000	53000	53000	55000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 14	45	120	18
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 100	240
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	140000	140000	150000	160000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	69000	62000	53000	58000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	260	510	340	290
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	4.94	5.2	1.31	0.36
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	9600
				BCA353.2T	ug/l	NA	NA	NA	NA	NA	2700	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	12000	10000	NA
				BCA353.2T	ug/l	NA	NA	NA	NA	NA	12000	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	790	750	700	730
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	79000	94000	91000	95000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	260	< 100	< 100	120
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	440000	450000	420000	410000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	140000	140000	150000	160000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XMW-01	VOCs	1,2-Dichlorobenzene	BCA8240.DT	ug/l	NA	< 1000	< 500	< 1000	< 500	< 1000	< 500	NA	< 500
				BCA8270T	ug/l	NA	75	87	100	66	69	86	NA	80
			1,3-Dichlorobenzene	BCA8240.DT	ug/l	NA	< 1000	< 500	< 1000	< 500	< 1000	< 500	NA	< 500
				BCA8270T	ug/l	NA	5.7	7.8	< 10	5.4	5.3	< 30	NA	6.0
			1,4-Dichlorobenzene	BCA8240.DT	ug/l	NA	< 1000	< 500	< 1000	< 500	< 1000	< 500	NA	< 500
				BCA8270T	ug/l	NA	140	160	210	120	150	170	NA	140
			Naphthalene	BCA8240.DT	ug/l	NA	< 1000	< 500	< 1000	< 500	< 1000	< 500	NA	< 500
				BCA8270T	ug/l	NA	5.9	5.6	41	39	< 5	< 30	NA	25
			Tetrachloroethene	BCA8240.DT	ug/l	NA	3900	4100	3900	4300	4100	4100	NA	3600
			1,2,4-Trichlorobenzene	BCA8270T	ug/l	NA	110	140	200	120	100	170	NA	110
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2-Chlorophenol	BCA8270T	ug/l	NA	37	50	60	50	54	36	NA	35
			2,4-Dichlorophenol	BCA8270T	ug/l	NA	8.7	9.3	< 10	6.7	6.9	< 30	NA	7.1
			2,4,5-Trichlorophenol	BCA8270T	ug/l	NA	7.1	12	< 20	< 6	8.6	< 30	NA	< 5
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	180000	100000	NA	160000
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 100	220	< 100	< 100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	4.1	3.1	7.4	6.9	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	3.6	7.1	6.4	7.7	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	41	52	55	59	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	40	52	57	59	NA	NA	NA	NA
			Be (Dissolved)	BCA6010D	ug/l	NA	< 1	< 1	< 1	1.5	NA	NA	NA	NA
			Be (Total)	BCA6010T	ug/l	NA	< 1	< 1	1.2	1.3	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	690000	860000	790000	740000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	670000	840000	800000	750000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	850000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	9.5	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	7.1	NA	NA	NA	NA	NA	NA	NA
			Cu (Dissolved)	BCA6010D	ug/l	NA	< 20	< 20	< 20	29	NA	NA	NA	NA
			Cu (Total)	BCA6010T	ug/l	NA	< 20	< 20	23	29	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 20

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XMW-01	Metals	Fe (Dissolved)	BCA6010D	ug/l	NA	320	1300	1300	1700	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	400	1500	1400	1600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	17000	18000	17000	16000	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	16000	18000	18000	16000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	19000
			Mg (Dissolved)	BCA6010D	ug/l	NA	190000	220000	230000	220000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	190000	220000	230000	210000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	230000
			Mn (Dissolved)	BCA6010D	ug/l	NA	2300	2500	2700	2500	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2200	2500	2700	2400	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	2500
			Na (Dissolved)	BCA6010D	ug/l	NA	560000	600000	560000	520000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	540000	580000	590000	520000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	570000
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	260
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	710000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1900000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.89
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	6400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	570000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	8100
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	5600000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	710000
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.7
	XMW-01T	VOCs	Benzene	BCA8240.DT	ug/l	220	< 30	< 30	< 100	60	< 50	< 50	30	< 30
			1,1-Dichloroethane	BCA8240.DT	ug/l	15000	1800	1200	3000	5600	2900	6000	4000	3800
			1,2-Dichloroethane	BCA8240.DT	ug/l	< 50	< 30	< 30	< 100	< 30	< 50	58	47	39
			1,1-Dichloroethene	BCA8240.DT	ug/l	720	220	190	330	650	380	730	570	530
			cis-1,2-Dichloroethene	BCA8240.DT	ug/l	110	100	100	210	150	150	170	270	260
			Tetrachloroethene	BCA8240.DT	ug/l	< 100	1800	2300	1600	960	1600	1400	1100	1300
			1,1,1-Trichloroethane	BCA8240.DT	ug/l	3300	120	< 50	< 200	430	< 100	310	280	150
			Trichloroethene	BCA8240.DT	ug/l	420	5400	8300	6600	4700	5700	5800	6400	5800
			Vinyl chloride	BCA8240.DT	ug/l	< 50	< 30	< 30	< 100	100	< 50	110	90	< 30
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-01T	SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-02	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-02T	VOCs	Chloroform	BCA8240.DT	ug/l	7.3	< 5	3.2	< 10	11	< 20	< 20	< 20	< 30
				TEG601T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			1,1-Dichloroethene	BCA8240.DT	ug/l	21	20	9.9	12	28	< 20	46	36	< 30
				TEG601T	ug/l	5.3	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8240.DT	ug/l	16	15	9.5	< 20	22	32	47	57	< 50
				TEG601T	ug/l	6.1	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	< 10	< 10	< 5	< 20	< 10	< 30	< 30	< 30	61
				TEG602T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Tetrachloroethene	BCA8240.DT	ug/l	400	410	170	200	620	990	1100	1200	810
			Trichloroethene	BCA8240.DT	ug/l	910	960	400	570	1700	2600	2900	3200	2300
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-03	VOCs	Acetone	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 25	26
			Benzene	BCA8020T	ug/l	NA	NA	NA	NA	NA	NA	NA	2.9	3.8
			Chloroform	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	9.4	2.1
			1,1-Dichloroethene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 0.5	1.7
			Tetrachloroethene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	22	31

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-03	VOCs	Trichloroethene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	17	19
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+02	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	140000	150000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	390	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5500	5500
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	44000	48000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1500	1500
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	110000	110000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	24	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	660	670
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	420000	420000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	210000	220000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	210	210
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.73	1.68
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	740	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1600	1600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	50000	59000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	110	130
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	970000	1000000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	420000	420000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	720	730
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.0	6.9
	XMW-04	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-05	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method Units	1993	1994				1995			1996
					Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XMW-05	SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-06	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-07	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-08	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-09	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-09	Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-10	VOCs	Benzene	BCA8240.DT	ug/l	NA	< 3	< 3	< 50	< 0.5	0.55	< 0.5	< 0.5	2.6
			Chlorobenzene	BCA8240.DT	ug/l	NA	220	170	130	97	87	100	3.7	270
			Chloroform	BCA8240.DT	ug/l	NA	< 3	< 3	< 50	1.1	20	1.7	2.5	1.4
			Tetrachloroethene	BCA8240.DT	ug/l	NA	< 5	< 5	< 100	2.2	2.4	2.0	1.5	< 2
			Trichloroethene	BCA8240.DT	ug/l	NA	10	11	< 100	14	8.3	13	9.1	6.4
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-11	VOCs	Acetone	BCA8240.DT	ug/l	< 1000	< 100	< 200	< 2000	< 200	< 100	< 100	77	< 100
			Benzene	BCA8240.DT	ug/l	500	20	< 10	< 100	< 10	8.9	< 5	< 3	7.2
			Chlorobenzene	BCA8240.DT	ug/l	7000	1700	1400	900	1200	1200	850	780	510
			Chloroform	BCA8240.DT	ug/l	140	< 5	< 10	< 100	< 10	< 5	< 5	< 3	< 5
			Tetrachloroethene	BCA8240.DT	ug/l	300	130	100	< 200	120	150	97	86	99
			Trichloroethene	BCA8240.DT	ug/l	< 100	< 10	< 20	< 200	< 20	8.8	< 10	5.2	< 10
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	alpha-BHC	BCA8080T	ug/l	3.2	NA	NA	NA	NA	NA	NA	NA	NA
			beta-BHC	BCA8080T	ug/l	1.0	NA	NA	NA	NA	NA	NA	NA	NA
			delta-BHC	BCA8080T	ug/l	1.2	NA	NA	NA	NA	NA	NA	NA	NA
			gamma-BHC	BCA8080T	ug/l	5.0	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-12	VOCs	Acetone	BCA8240.DT	ug/l	< 500	< 500	< 500	< 2000	< 1000	1100	< 500	NA	< 500
			Benzene	BCA8240.DT	ug/l	4200	3300	5300	4300	2000	6500	7200	NA	3300
			Chlorobenzene	BCA8010T	ug/l	NA	2400	6100	4900	3600	6600	4800	NA	3100
				BCA8240.DT	ug/l	7000	2900	4600	4100	2800	5300	6100	NA	2500
			Chloroform	BCA8010T	ug/l	NA	< 30	< 50	15	30	160	180	NA	320
				BCA8240.DT	ug/l	51	< 30	< 30	< 100	< 50	210	< 30	NA	210

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XMW-12	VOCs	Cyclohexane	BCA8240.DT	ug/l	NA	< 500	< 500	< 2000	390	< 1000	< 500	NA	< 500
			1,4-Dichlorobenzene	BCA8010T	ug/l	NA	< 30	< 50	7.6	< 20	< 30	< 20	NA	< 30
				BCA8240.DT	ug/l	< 50	< 50	< 50	< 200	< 100	< 100	< 50	NA	< 50
			1,2-Dichloroethane	BCA8010T	ug/l	NA	98	220	150	130	170	140	NA	63
				BCA8240.DT	ug/l	< 30	< 30	< 30	< 100	< 50	< 50	< 30	NA	84
			Ethylbenzene	BCA8240.DT	ug/l	890	440	920	830	550	1300	1800	NA	430
			Naphthalene	BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	190	750	NA	190
			n-Propylbenzene	BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	120	< 50	NA	58
			Toluene	BCA8240.DT	ug/l	110	< 50	< 50	< 200	< 100	910	2000	NA	1500
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	400	690	640	410	290	920	NA	310
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	260	< 50	NA	< 50
			Xylenes (Total)	BCA8240.DT	ug/l	1000	390	510	500	180	820	2200	NA	810
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	beta-BHC	BCA8080T	ug/l	0.10	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	18000	32000	NA	12000
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	120000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	5200
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	32000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	990
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	51000
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	320000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	120000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	290
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	1.22
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	1100
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	67000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	100
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	800000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	320000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	540
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.8
	XMW-13	VOCs	Acetone	BCA8240.DT	ug/l	< 5000	< 2000	< 2000	< 2000	< 1000	< 1000	< 1000	2700	< 1000
			Benzene	BCA8240.DT	ug/l	17000	19000	18000	14000	14000	20000	17000	12000	17000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-13	VOCs	Chlorobenzene	BCA8010T	ug/l	NA	2500	2400	2500	3200	4200	3000	4500	4100
				BCA8240.DT	ug/l	2700	2900	2400	2100	2500	3000	2900	2200	2900
			Chloroform	BCA8010T	ug/l	NA	810	1100	500	970	1100	490	600	980
				BCA8240.DT	ug/l	560	590	770	630	580	780	540	420	510
			Cyclohexane	BCA8240.DT	ug/l	NA	< 2000	< 2000	< 2000	< 1000	< 1000	310	< 1000	< 1000
			Dibromochloromethane	BCA8010T	ug/l	NA	31	< 50	34	< 30	< 20	95	< 50	< 30
				BCA8240.DT	ug/l	< 500	< 200	< 200	< 200	< 100	< 100	< 100	< 100	< 100
			1,2-Dichloroethane	BCA8010T	ug/l	NA	330	270	290	340	390	330	240	470
				BCA8240.DT	ug/l	< 300	< 100	< 100	< 100	540	< 50	< 50	320	410
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 30	< 50	< 5	< 30	< 20	< 30	< 50	57
				BCA8240.DT	ug/l	< 500	< 200	< 200	< 200	< 100	< 100	< 100	< 100	< 100
			Ethylbenzene	BCA8240.DT	ug/l	2100	1800	1800	1400	1800	1700	1500	640	880
			Methylene chloride	BCA8010T	ug/l	NA	41	< 50	20	< 30	25	< 65	< 200	< 100
				BCA8240.DT	ug/l	610	< 200	< 200	< 200	< 100	< 100	< 100	< 100	< 100
			Naphthalene	BCA8240.DT	ug/l	NA	660	< 200	520	1200	670	610	360	570
				BCA8270T	ug/l	590	680	610	620	450	400	400	510	340
			n-Propylbenzene	BCA8240.DT	ug/l	NA	< 200	< 200	< 200	210	180	160	< 100	150
			Tetrachloroethene	BCA8010T	ug/l	NA	67	72	86	120	94	< 30	< 50	80
				BCA8240.DT	ug/l	< 500	< 200	< 200	< 200	< 100	< 100	< 100	< 100	< 100
			Toluene	BCA8240.DT	ug/l	700	7400	6400	4600	5400	7500	7200	6300	8500
			Trichloroethene	BCA8010T	ug/l	NA	950	690	610	740	770	480	730	500
				BCA8240.DT	ug/l	570	570	740	520	540	470	370	200	230
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	1500	1600	1500	1800	1600	1400	850	1400
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	1000	1100	820	< 100	1000	770	< 100	< 100
			Xylenes (Total)	BCA8240.DT	ug/l	8800	5500	5100	3900	3100	5000	4700	2400	3200
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2-Methylnaphthalene	BCA8270T	ug/l	110	170	130	120	110	85	77	< 100	59
			N-Nitrosodimethylamine	BCA8270T	ug/l	79	< 30	< 30	< 12	< 30	< 30	< 30	< 100	< 30
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	30000	42000	47000	52000
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	350	380	420	400	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	400	430	460	400	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	160	150	170	160	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	150	160	180	160	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	260000	250000	260000	260000	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-13	Metals	Ca (Total)	BCA6010T	ug/l	NA	260000	250000	270000	240000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	260000
			Fe (Dissolved)	BCA6010D	ug/l	NA	10000	11000	12000	12000	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	10000	12000	13000	11000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	980
			K (Dissolved)	BCA6010D	ug/l	NA	6900	6400	6300	6300	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	6800	6500	6700	6000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	6400
			Mg (Dissolved)	BCA6010D	ug/l	NA	92000	92000	96000	92000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	92000	92000	97000	86000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	93000
			Mn (Dissolved)	BCA6010D	ug/l	NA	5700	5700	6300	6100	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	5700	5800	6400	5600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	6000
			Na (Dissolved)	BCA6010D	ug/l	NA	220000	220000	220000	210000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	210000	220000	240000	200000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 3.5	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 5	2.4	< 2	2.6	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	11	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	540000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	560000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	150
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.43
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	2900
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	480
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1800000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	540000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1700
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.6
	XMW-14	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 500	< 500	< 2000	< 1000	< 500	< 100	300	< 500
			Benzene	BCA8240.DT	ug/l	NA	7300	< 30	7400	6600	4000	980	1200	7000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-14	VOCs	Chlorobenzene	BCA8010T	ug/l	NA	190	180	230	300	220	120	150	470
				BCA8240.DT	ug/l	NA	230	220	220	230	150	130	97	320
			Chloroform	BCA8010T	ug/l	NA	< 50	< 50	5.6	< 30	< 3	< 1	< 5	< 10
				BCA8240.DT	ug/l	NA	< 30	< 30	< 100	< 50	< 30	< 5	< 5	< 30
			1,2-Dichloroethane	BCA8010T	ug/l	NA	720	670	550	730	820	290	490	760
				BCA8240.DT	ug/l	NA	< 30	610	< 100	< 50	630	360	360	630
			1,1-Dichloroethene	BCA8010T	ug/l	NA	< 50	< 50	< 5	< 30	< 3	1.3	< 5	< 10
				BCA8240.DT	ug/l	NA	< 30	< 30	< 100	< 50	< 30	< 5	< 5	< 30
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	< 50	< 50	< 5	< 30	14	24	17	< 10
				BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	< 50	17	< 10	< 50
			Ethylbenzene	BCA8240.DT	ug/l	NA	710	570	700	740	440	110	83	430
			Naphthalene	BCA8240.DT	ug/l	NA	240	170	< 200	360	< 120	34	39	180
				BCA8270T	ug/l	NA	220	180	270	130	100	27	32	120
			n-Propylbenzene	BCA8240.DT	ug/l	NA	57	< 50	< 200	< 100	< 50	< 10	< 10	53
			Tetrachloroethene	BCA8010T	ug/l	NA	< 50	< 50	< 5	< 30	13	8.9	11	14
				BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	< 50	< 10	< 10	< 50
			Toluene	BCA8240.DT	ug/l	NA	< 50	< 50	< 200	< 100	< 50	6.5	< 10	< 58
			1,1,2-Trichloroethane	BCA8010T	ug/l	NA	< 50	< 50	< 5	< 30	< 3	1.1	< 5	< 10
				BCA8240.DT	ug/l	NA	< 30	< 30	< 100	< 50	< 30	< 5	< 5	< 30
			Trichloroethene	BCA8010T	ug/l	NA	130	60	100	110	180	67	140	120
				BCA8240.DT	ug/l	NA	82	72	< 200	< 100	96	62	71	110
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	330	290	340	400	130	39	22	300
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	210	66	< 200	< 100	< 50	< 10	< 10	< 50
			Xylenes (Total)	BCA8240.DT	ug/l	NA	530	420	410	270	180	74	23	190
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	NA	< 40	< 20	< 20	< 7	< 7	15	< 10	< 10
			Isophorone	BCA8270T	ug/l	NA	< 30	< 10	< 10	5.3	< 5	< 5	< 5	6.2
			2-Methylnaphthalene	BCA8270T	ug/l	NA	41	32	40	27	19	< 5	< 5	15
			Phenol	BCA8270T	ug/l	NA	< 30	< 10	22	< 5	15	6.4	< 5	< 5
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	1000	96	400	1200
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	54	60	61	49	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	50	60	62	49	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	290	290	300	310	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	290	280	58	300	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XMW-14	Metals	Ca (Dissolved)	BCA6010D	ug/l	NA	180000	190000	190000	200000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	180000	190000	120000	190000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	5.3	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	8100	8100	7500	7700	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	8200	8000	< 45	7600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 91
			K (Dissolved)	BCA6010D	ug/l	NA	5300	5400	5300	5200	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5300	5300	7100	5100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	5000
			Mg (Dissolved)	BCA6010D	ug/l	NA	67000	71000	73000	68000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	67000	70000	30000	67000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	69000
			Mn (Dissolved)	BCA6010D	ug/l	NA	4600	4800	5000	4600	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	4700	4800	95	4500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4600
			Na (Dissolved)	BCA6010D	ug/l	NA	180000	180000	180000	180000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	180000	180000	68000	180000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	160000
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	160
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	790000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	250000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	140
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.81
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	2100
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	49000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1500000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	790000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	930
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.7
	XMW-15	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-15	Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-16	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-17	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-18	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-19	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-19	Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-20	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-21	VOCs	Benzene	BCA8240.DT	ug/l	NA	4400	81000	5800	14000	43000	48000	4100	1500
			sec-Butylbenzene	BCA8240.DT	ug/l	NA	710	< 2000	< 500	380	< 500	580	< 100	360
			Carbon disulfide	BCA8240.DT	ug/l	NA	130	< 4000	< 1000	< 400	< 1000	< 1000	< 200	< 100
			Chloroethane	BCA8010T	ug/l	NA	130	70	< 30	< 50	< 50	< 50	< 0.5	< 10
				BCA8240.DT	ug/l	NA	130	< 2000	< 500	< 200	< 500	< 500	< 100	< 50
			Ethylbenzene	BCA8240.DT	ug/l	NA	1600	20000	10000	12000	31000	39000	23000	6500
			Isopropylbenzene	BCA8240.DT	ug/l	NA	260	< 2000	< 500	< 200	< 500	< 500	< 100	180
			n-Propylbenzene	BCA8240.DT	ug/l	NA	180	< 2000	< 500	< 200	< 500	< 500	< 100	< 50
			Toluene	BCA8240.DT	ug/l	NA	170	< 2000	< 500	< 200	8500	< 500	< 100	< 50
			1,2,4-Trimethylbenzene	BCA8240.DT	ug/l	NA	< 50	< 2000	< 500	< 200	1700	< 500	< 100	< 50
			1,3,5-Trimethylbenzene	BCA8240.DT	ug/l	NA	< 50	< 2000	< 500	< 200	< 500	< 500	< 100	110
			Xylenes (Total)	BCA8240.DT	ug/l	NA	290	< 2000	< 500	< 200	7400	< 500	< 100	< 50
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	< 7.6	6.4	< 2
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-22	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-26	VOCs	All Analytes			NA	NA	NA	NA	NA	ND	ND	NA	ND
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	220000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	7400
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	80000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	15
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	210000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	24
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	550000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	490000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	4.62
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	210000
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	2800
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	53000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	150
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1800000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	550000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	790
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.0
	XMW-27	VOCs	Benzene	BCA8240.DT	ug/l	120	NA	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	9.3	NA	NA	NA	NA	NA	NA	NA	NA
			Chloroform	BCA8240.DT	ug/l	47	NA	NA	NA	NA	NA	NA	NA	NA
			Cyclohexane	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
			cis-1,2-Dichloroethene	BCA8240.DT	ug/l	< 1	NA	NA	NA	NA	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	14	NA	NA	NA	NA	NA	NA	NA	NA
			Toluene	BCA8240.DT	ug/l	120	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	9.5	NA	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	170	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XMW-27	Pest, PCB's	4,4'-DDT	BCA8080T	ug/l	0.13	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XMW-28	VOCs	Benzene	BCA8240.DT	ug/l	45000	55000	74000	47000	88000	61000	120000	130000	160000
			Chlorobenzene	BCA8010T	ug/l	NA	< 0.5	< 50	< 30	< 100	< 50	< 50	< 0.5	< 30
				BCA8240.DT	ug/l	720	< 1000	< 500	< 100	< 500	< 1000	< 1000	< 2000	< 3000
			Chloroethane	BCA8010T	ug/l	NA	16	< 50	< 30	< 100	< 50	< 50	< 0.5	< 30
				BCA8240.DT	ug/l	< 500	< 1000	< 500	< 100	< 500	< 1000	< 1000	< 2000	< 3000
			Ethylbenzene	BCA8240.DT	ug/l	1500	1500	1200	< 100	< 500	< 1000	960	< 2000	3100
			Isopropylbenzene	BCA8240.DT	ug/l	NA	< 1000	< 500	360	< 500	< 1000	< 1000	< 2000	< 3000
			Methylene chloride	BCA8010T	ug/l	NA	2.2	< 50	< 30	< 100	< 50	< 50	< 2	< 100
				BCA8240.DT	ug/l	< 500	< 1000	< 500	< 100	< 500	< 1000	< 1000	< 2000	< 3000
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	32	24	3.4
		SVOCs	Phenol	BCA8270T	ug/l	59	88	230	48	94	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+06	>1E+07	1E+06	>1E+07	1E+07>	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+07>	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	38	68	61	130	110	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	78	60	120	140	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	260	300	320	250	200	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	280	310	250	200	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	360000	410000	440000	350000	270000	NA	NA	NA	NA
			Ca (Total)	BCA6010DG	ug/l	350000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	410000	420000	340000	250000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	340000	260000	290000	310000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	1.6	< 1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	< 1	NA	NA	NA	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	< 5	9.4	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	9.5	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-28	Metals	Fe (Dissolved)	BCA6010D	ug/l	9700	18000	17000	26000	13000	NA	NA	NA	NA
			Fe (Total)	BCA6010DG	ug/l	920	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	19000	18000	27000	13000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	5200	1600	1100	1800
			K (Dissolved)	BCA6010D	ug/l	6500	6100	6100	5300	5900	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	6800	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	5600	5800	5500	5800	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	5600	5100	5000	5400
			Mg (Dissolved)	BCA6010D	ug/l	81000	99000	97000	83000	63000	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	79000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	96000	93000	85000	59000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	87000	64000	78000	80000
			Mn (Dissolved)	BCA6010D	ug/l	3000	4600	4600	3700	2100	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	2700	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	4300	4400	3800	2000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	3300	220	2200	1800
			Na (Dissolved)	BCA6010D	ug/l	90000	100000	100000	99000	85000	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	89000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	95000	96000	100000	83000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	97000	79000	96000	98000
			Ni (Dissolved)	BCA6010D	ug/l	< 40	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Ni (Total)	BCA6010T	ug/l	NA	< 40	140	< 40	< 40	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	4.2	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	16	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	11	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	14	20
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	250	190	200
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	840000	980000	1000000	920000	660000	900000	790000	830000	780000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	320000	300000	97000	470000
				BCA325.3T	ug/l	330000	370000	360000	290000	170000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	130	110	160	260	190	210	350	130	130
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.2	7.85	5.32	5.65
				BCAT	%	1.22	2.9	5.2	2.8	9.1	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1300

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XMW-28	Gen Mins	Nitrate (as N)	BCA353.2T	ug/l	< 50	< 50	< 50	110	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	1900	NA
				BCA353.2T	ug/l	< 200	< 200	< 200	470	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	2500	2700	3000	780	1800	2900	2500	2500	2600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	40000	31000	120000	6600
				BCA375.4T	ug/l	27000	36000	54000	21000	26000	NA	NA	NA	NA
			Sulfide	BCA376.2T	ug/l	NA	NA	NA	NA	NA	NA	< 100	100	300
			Surfactants	BCA425.1T	ug/l	120	< 100	< 100	< 100	110	< 100	< 100	< 100	< 100
			TDS	BCA160.1T	ug/l	1500000	500000	1700000	1400000	1000000	1600000	1400000	1700000	1500000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	840000	980000	1000000	920000	660000	900000	790000	830000	780000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	560	370	< 200
			pH	BCA150.1T	units	6.8	6.7	6.8	6.5	6.7	6.5	6.9	6.6	6.6
	XMW-29	VOCs	Benzene	BCA8240.DT	ug/l	77000	40000	26000	21000	55000	3700	6600	24000	96000
			Chlorobenzene	BCA8010T	ug/l	NA	< 0.5	< 50	< 30	< 100	< 3	28	< 0.5	< 50
				BCA8240.DT	ug/l	< 1000	< 500	< 300	< 100	< 500	< 50	< 50	< 300	< 500
			Methylene chloride	BCA8010T	ug/l	NA	1.1	< 50	< 30	< 100	< 3	< 10	6.8	< 200
				BCA8240.DT	ug/l	< 1000	< 500	< 300	< 100	< 500	< 50	< 50	< 300	< 500
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	200	830	110
		SVOCs	Phenol	BCA8270T	ug/l	56	84	130	57	81	44	< 5	130	130
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+06	1E+05	1E+06	1E+05	1E+06	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+07>	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	920	< 100	< 100	< 100
			As (Dissolved)	BCA7060D	ug/l	NA	320	380	460	260	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	310	410	470	260	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	85	95	97	80	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	78	90	97	72	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	140000	170000	190000	150000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	140000	170000	180000	130000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	75000	120000	120000	200000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	9.1	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XMW-29	Metals	Cr (Total)	BCA7191T	ug/l	NA	8	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	13000	19000	20000	12000	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	12000	18000	20000	11000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	26000	2600	1700	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	5800	5900	5800	5100	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5300	5600	5800	4600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	6300	6000	5700	5700
			Mg (Dissolved)	BCA6010D	ug/l	NA	42000	51000	55000	43000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	39000	48000	53000	37000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	23000	35000	39000	67000
			Mn (Dissolved)	BCA6010D	ug/l	NA	710	970	1100	930	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	640	920	1000	810	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	810	980	930	2900
			Na (Dissolved)	BCA6010D	ug/l	NA	90000	89000	94000	92000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	84000	84000	92000	84000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	49000	64000	74000	98000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	20	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	670	840	1800
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	540000	700000	720000	580000	330000	500000	520000	760000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	41000	72000	75000	110000
				BCA325.3T	ug/l	NA	110000	98000	96000	100000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	370	360	490	400	290	580	350	430
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.4	2.75	1.63	4.86
				BCAT	%	NA	3	6.14	3.1	0.67	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	NA	< 50	< 50	81	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	NA	< 200	< 280	360	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	1300	1500	2200	1300	840	1200	1200	1600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	3900	5600	2200	< 2000
				BCA375.4T	ug/l	NA	63000	100000	19000	< 4000	NA	NA	NA	NA
			Sulfide	BCA376.2T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 100	< 100
			Surfactants	BCA425.1T	ug/l	NA	150	< 100	< 100	< 100	< 100	< 100	120	130
			TDS	BCA160.1T	ug/l	NA	770000	840000	920000	750000	440000	640000	690000	970000

NA - C[illegible]und or compound class was not analyzed during this event. ND - Not detected above lab[illegible]ory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-29	Gen Mins	Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	540000	700000	720000	580000	330000	500000	520000	760000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	250	390	630
			pH	BCA150.1T	units	NA	7.1	6.9	6.7	6.9	6.7	6.7	6.7	6.7
	XMW-30	VOCs	Benzene	BCA8240.DT	ug/l	NA	17	< 0.5	2.2	< 0.5	< 0.5	< 0.5	< 0.5	3.9
			Ethylbenzene	BCA8240.DT	ug/l	NA	14	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	NA	< 5	< 5	< 5	6.3	< 5	< 5	< 5	< 5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+04	1E+04	1E+02+	1E+03	1E+04	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+04	NA	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	220	< 100	< 100	< 100	100	< 100	< 100	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	340000	330000	340000	330000	300000	420000	380000	390000
			Cu (Total)	BCA6010TG	ug/l	NA	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
			Fe (Total)	BCA6010TG	ug/l	NA	7900	< 76	660	620	370	< 40	650	< 40
			K (Total)	BCA6010TG	ug/l	NA	9700	10000	9700	9000	9700	10000	10000	9800
			Mg (Total)	BCA6010TG	ug/l	NA	58000	59000	58000	54000	54000	62000	66000	64000
			Mn (Total)	BCA6010TG	ug/l	NA	31	18	20	15	18	< 10	29	33
			Na (Total)	BCA6010TG	ug/l	NA	180000	190000	180000	170000	170000	190000	190000	180000
			Zn (Total)	BCA6010TG	ug/l	NA	< 10	< 12	< 10	< 10	< 10	< 10	18	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	< 100	190	< 160
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	440000	450000	470000	480000	460000	470000	500000	490000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	550000	660000	660000	650000
				BCA325.3T	ug/l	NA	620000	610000	590000	560000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	190	300	310	240	370	400	180	170
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.68	4.6	0.85	2.29
				BCAT	%	NA	4.5	3.15	2.5	0.35	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	86000
				BCA353.2T	ug/l	NA	4700	5900	14000	11000	12000	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	19000	100000	NA
				BCA353.2T	ug/l	NA	21000	26000	62000	49000	52000	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	2800	2800	4400	2600	2900	3600	3300	2900
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	93000	120000	88000	83000
				BCA375.4T	ug/l	NA	51000	59000	45000	66000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 100	< 100	< 100	< 100	130	< 100	370	140

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XMW-30	Gen Mins	TDS	BCA160.1T	ug/l	NA	1600000	2400000	1800000	1500000	2000000	2700000	2800000	2000000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	440000	450000	470000	480000	460000	470000	500000	490000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	420	1500	1300
			pH	BCA150.1T	units	NA	6.9	7.3	7.0	6.8	6.7	6.8	6.7	6.8
	XP-01	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XP-02	VOCs	Benzene	BCA8240.DT	ug/l	1.6	3.0	37	0.78	0.80	0.60	< 0.5	0.92	9.1
			Chlorobenzene	BCA8010T	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.8	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			1,1-Dichloroethane	BCA8010T	ug/l	NA	< 0.5	0.50	< 0.5	< 0.5	0.93	1.5	0.58	0.59
				BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	1.2	< 1	1.3	1.3
			1,1-Dichloroethene	BCA8010T	ug/l	NA	0.81	< 0.5	0.60	< 0.5	1.5	2.6	1.5	2.6
				BCA8240.DT	ug/l	< 0.5	< 0.5	0.99	1.1	< 0.5	2.2	2.0	2.6	3.1
			Naphthalene	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	1.4	< 1
				BCA8270T	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
			Tetrachloroethene	BCA8010T	ug/l	NA	23	21	27	20	81	77	85	120
				BCA8240.DT	ug/l	16	24	20	19	16	68	75	84	80
			Toluene	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	0.70	< 1	< 1	< 1	< 1
			1,1,1-Trichloroethane	BCA8010T	ug/l	NA	0.75	0.80	< 0.5	< 0.5	1.4	0.63	< 0.5	< 0.5
				BCA8240.DT	ug/l	1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
			Trichloroethene	BCA8010T	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	0.82	1.3	< 0.5	0.55
				BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.0
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Di-n-butylphthalate	BCA8270T	ug/l	< 5	6.8	< 5	< 5	< 10	< 5	< 5	< 5	< 5
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Al (Dissolved)	BCA6010D	ug/l	NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
			Al (Total)	BCA6010T	ug/l	NA	< 100	< 100	< 100	290	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 100

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFB	XP-02	Metals	As (Dissolved)	BCA7060D	ug/l	NA	30	27	35	14	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	34	26	32	20	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	92	99	100	88	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	90	93	100	89	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	190000	210000	220000	200000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	190000	200000	210000	200000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	150000
			Fe (Dissolved)	BCA6010D	ug/l	NA	2700	3600	1700	2500	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	2900	3700	1900	2900	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	5200	5700	5800	5400	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5000	5400	5700	5100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4600
			Mg (Dissolved)	BCA6010D	ug/l	NA	62000	67000	67000	62000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	60000	64000	65000	60000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	49000
			Mn (Dissolved)	BCA6010D	ug/l	NA	2100	2300	2200	1900	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2000	2200	2200	1900	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1300
			Na (Dissolved)	BCA6010D	ug/l	NA	130000	140000	140000	130000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	120000	130000	130000	130000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 12	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 17	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	13
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	700000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	38000
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	2.89
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	1400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	410
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	870000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	700000
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	6.8
	XP-03	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	93	< 0.5	< 0.5	< 0.5
			Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	4.8	< 1	< 1	< 1

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFB	XP-03	VOCs	Freon 12	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	< 5	1.6	< 5	< 5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	160000	150000	160000	160000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 40	< 40	80	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	6400	5600	6100	6000
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	31000	29000	31000	30000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	120	110	130	130
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	86000	75000	81000	79000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 15	16	170	11
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 100	610
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	180000	190000	190000	200000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	190000	180000	190000	170000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	210	320	240	220
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.43	4	1.63	2.5
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	10000
				BCA353.2T	ug/l	NA	NA	NA	NA	NA	3000	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	10000	< 500	NA
				BCA353.2T	ug/l	NA	NA	NA	NA	NA	13000	NA	NA	NA
			Nitrite	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	4100	< 5000	8200
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	1600	1600	1500	1400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	230000	240000	220000	210000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	2700	3700	2300	1900
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	950000	1100000	960000	950000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	180000	190000	190000	200000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 400	1900	< 1000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	960	760	1200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	7.5	7.4	7.4	6.6
MBFC	SWL0013	VOCs	Benzene	BCA8240.DT	ug/l	< 0.5	8.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0013	BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010DG	ug/l	48000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	51000
			K (Total)	BCA6010DG	ug/l	3600	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	3200
			Mg (Total)	BCA6010DG	ug/l	13000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	12000
			Mn (Total)	BCA6010DG	ug/l	21	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	46
			Na (Total)	BCA6010DG	ug/l	53000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	46000
			Zn (Total)	BCA6010DG	ug/l	< 10	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	14
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	160000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	36000
				BCA325.3T	ug/l	33000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	350	NA	NA	NA	NA	NA	NA	NA	240
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	0.65
				BCAT	%	0.14	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	70	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2T	ug/l	310	NA	NA	NA	NA	NA	NA	NA	NA
			Ortho Phosphate (as PO4)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	140
			Specific Conductivity	BCA120.1T	umhos	570	NA	NA	NA	NA	NA	NA	NA	560
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	62000
				BCA375.4T	ug/l	73000	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	340000	NA	NA	NA	NA	NA	NA	NA	400000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	160000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	290
			pH	BCA150.1T	units	7.8	NA	NA	NA	NA	NA	NA	NA	7.3
	SWL0014	VOCs	Benzene	BCA8240.DT	ug/l	< 0.5	0.66	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			1,2-Dichlorobenzene	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	0.66	< 1	< 1	< 1	< 1
				BCA8270T	ug/l	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 5	< 5
			1,4-Dichlorobenzene	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	0.99	< 1	< 1	< 1	< 1
				BCA8270T	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0014	SVOCs	All Analytes			ND	ND	ND	ND	ND	ND	ND	ND	ND
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	< 2	< 2	2.8	< 2	< 2	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	33	31	31	31	31	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	31	29	31	32	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	87000	82000	81000	78000	74000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	85000	75000	75000	77000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	82000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	3.4	1.1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	1	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	130	79	52	< 41	< 77	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	91	< 40	170	< 79	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 40
			K (Dissolved)	BCA6010D	ug/l	4900	4700	4700	4500	4300	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	4700	4400	4400	4100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4200
			Mg (Dissolved)	BCA6010D	ug/l	23000	22000	22000	21000	19000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	23000	20000	20000	20000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	22000
			Mn (Dissolved)	BCA6010D	ug/l	48	60	66	43	47	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	62	61	54	50	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	44
			Na (Dissolved)	BCA6010D	ug/l	60000	62000	61000	58000	56000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	62000	56000	57000	56000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	56000
			Pb (Dissolved)	BCA7421D	ug/l	< 2	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	2.3	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	21
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0014	Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	180000	NA	NA	NA	NA	NA	NA	NA	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	88000
				BCA325.3T	ug/l	53000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	300	NA	NA	NA	NA	NA	NA	NA	260
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	4.64
				BCAT	%	2.46	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1800
				BCA353.2T	ug/l	587	NA	NA	NA	NA	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2T	ug/l	2600	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	910	NA	NA	NA	NA	NA	NA	NA	860
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	140000
				BCA375.4T	ug/l	200000	NA	NA	NA	NA	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	180	NA	NA	NA	NA	NA	NA	NA	220
			TDS	BCA160.1T	ug/l	590000	NA	NA	NA	NA	NA	NA	NA	530000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	180000	NA	NA	NA	NA	NA	NA	NA	190000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	890
			pH	BCA150.1T	units	7.5	NA	NA	NA	NA	NA	NA	NA	7.3
	SWL0018	VOCs	Benzene	BCA8240.DT	ug/l	< 0.5	< 0.5	1.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Chloroethane	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3.5
			Chloroform	BCA8240.DT	ug/l	0.83	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Chloromethane	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.4
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7.5
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	ND	ND	ND	ND	ND	ND	ND	ND
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+03	>1E+04	1E+04	1E+04	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	33	25	30	29	27	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	26	27	29	28	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	57000	56000	61000	54000	58000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	58000	54000	53000	61000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	57000	55000	52000	61000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	< 5	9	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	8.5	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0018	Metals	Fe (Dissolved)	BCA6010D	ug/l	50	66	< 40	< 86	< 110	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	72	< 40	< 68	< 120	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	130	< 40	110	< 40
			K (Dissolved)	BCA6010D	ug/l	5400	4500	4600	4700	4200	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	4200	4100	4600	4100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	4200	4100	4000	4000
			Mg (Dissolved)	BCA6010D	ug/l	16000	17000	18000	16000	16000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	16000	16000	16000	17000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	16000	16000	15000	17000
			Mn (Dissolved)	BCA6010D	ug/l	69	90	110	100	95	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	86	94	96	96	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	98	67	78	110
			Na (Dissolved)	BCA6010D	ug/l	57000	58000	59000	54000	53000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	56000	52000	53000	54000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	53000	51000	55000	47000
			Zn (Dissolved)	BCA6010D	ug/l	< 10	< 10	< 10	< 10	< 14	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	110	< 10
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	160000	160000	150000	160000	150000	160000	150000	160000	160000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	63000	67000	52000	66000
				BCA325.3T	ug/l	75000	76000	83000	83000	75000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	340	270	580	350	440	400	600	410	370
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1	5.3	0.78	0.76
				BCAT	%	1.48	2.31	2.67	3.2	0.99	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	45	< 50	< 50	63	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	200	< 200	< 200	280	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	690	730	680	750	680	740	740	670	670
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	75000	83000	82000	74000
				BCA375.4T	ug/l	78000	85000	72000	70000	77000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	< 100	1000	< 100	200	< 100	< 100	< 100	< 100	150
			TDS	BCA160.1T	ug/l	390000	370000	380000	400000	410000	390000	400000	370000	390000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	160000	160000	150000	160000	150000	160000	150000	160000	160000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	210	< 200	210
			pH	BCA150.1T	units	7.8	7.6	7.9	7.7	7.6	7.3	7.6	7.7	7.5

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0027	VOCs	Chloromethane	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	2.6	< 1	< 1	< 1
			Freon 12	BCA8240.DT	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.4
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	22	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	57000	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	85000	86000
			Cd (Dissolved)	BCA7131D	ug/l	12	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 43	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	57	< 40
			K (Dissolved)	BCA6010D	ug/l	4900	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5600	5000
			Mg (Dissolved)	BCA6010D	ug/l	16000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	22000	22000
			Mn (Dissolved)	BCA6010D	ug/l	29	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	2500	57
			Na (Dissolved)	BCA6010D	ug/l	60000	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	59000	55000
			Zn (Dissolved)	BCA6010D	ug/l	< 11	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	26	24
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	130
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	180000	NA	NA	NA	NA	NA	NA	180000	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	77000	88000
				BCA325.3T	ug/l	49000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	290	NA	NA	NA	NA	NA	NA	280	380
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	6.3	2.55
				BCAT	%	0.82	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	680	NA	NA	NA	NA	NA	NA	820	860
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	93000	99000
				BCA375.4T	ug/l	90000	NA	NA	NA	NA	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	2500	NA	NA	NA	NA	NA	NA	2800	3600
			TDS	BCA160.1T	ug/l	430000	NA	NA	NA	NA	NA	NA	560000	550000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

B198.FRX with C:\DEL_AMO\TASKS\RI\B198HX.DBF on 05/16/97 at 12:33:16

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0027	Gen Mins	Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	180000	NA	NA	NA	NA	NA	NA	180000	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	490	360
			pH	BCA150.1T	units	7.8	NA	NA	NA	NA	NA	NA	7.6	6.8
	SWL0030	VOCs	Benzene	BCA8240.DT	ug/l	NA	2.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				BCA8260T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.1
				BCA8260T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	< 7	< 7	< 7	< 7	18	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			< 30	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	1E+04	1E+02 - 1E+03	1E+04	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	4.2	< 2.1	< 2	< 2	< 2	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	17	20	27	39	52	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	18	27	38	53	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	47000	46000	48000	46000	50000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	47000	50000	45000	51000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	50000	NA	NA	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	< 5	9.6	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	7	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	120	< 40	< 40	< 49	< 54	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 51	< 65	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	< 40	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	5700	5700	5400	6700	5900	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5400	5800	6300	6100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	5700	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	10000	9500	9400	10000	10000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	9300	10000	9800	10000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	9800	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	22	37	31	43	46	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	36	33	43	46	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	36	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0030	Metals	Na (Dissolved)	BCA6010D	ug/l	54000	52000	49000	56000	55000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	50000	53000	52000	56000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	52000	NA	NA	NA	NA	NA	NA
			Pb (Dissolved)	BCA7421D	ug/l	< 2	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	4.6	< 2	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	200000	NA	170000	170000	180000	NA	NA	NA	NA
			Chloride	BCA325.3T	ug/l	30000	NA	46000	33000	34000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	470	NA	600	410	440	NA	NA	NA	NA
			Ion Balance	BCAT	%	3.65	NA	1.46	1.2	1.9	NA	NA	NA	NA
			Nitrate (as N)	BCA353.2T	ug/l	< 50	NA	< 50	54	< 50	NA	NA	NA	NA
			Nitrate (as NO3)	BCA353.2T	ug/l	< 200	NA	< 200	240	< 200	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	550	NA	540	630	580	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	51000	NA	41000	61000	71000	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	510000	NA	290000	330000	320000	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	200000	NA	170000	170000	180000	NA	NA	NA	NA
			pH	BCA150.1T	units	7.9	NA	7.75	7.8	7.6	NA	NA	NA	NA
	SWL0033	VOCs	Benzene	BCA8015MT	ug/l	NA	NA	NA	21	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	29	NA	18	15	14	11	8.0
				BCA8240.DT	ug/l	NA	21	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8010T	ug/l	NA	3500	3500	2900	2600	4400	3000	3700	2900
				BCA8240.DT	ug/l	NA	2600	NA	3600	2600	2900	3800	3500	2100
			1,4-Dichlorobenzene	BCA8010T	ug/l	NA	< 30	< 50	< 50	< 10	< 20	< 20	< 30	< 30
				BCA8020T	ug/l	NA	NA	NA	NA	NA	14	NA	NA	NA
				BCA8240.DT	ug/l	NA	< 5	NA	< 100	< 20	< 50	< 30	< 50	< 30
				BCA8270T	ug/l	NA	8.3	8.8	8.4	9.9	NA	NA	NA	NA
			Ethylbenzene	BCA8240.DT	ug/l	NA	24	35	< 100	35	< 50	37	< 50	< 30
			Toluene	BCA8015MT	ug/l	NA	NA	NA	1.0	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	2.8	NA	1.0	1.0	< 0.78	< 0.52	< 3
				BCA8240.DT	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	24000	21000	20000	21000	23000	19000	15000
				BCAICT	ug/l	NA	20000	NA	NA	NA	NA	NA	NA	NA
				ICBCA	ug/l	NA	20000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+06	1E+04	1E+06	< NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

B198.FRX with C:\DEL_AMO\TASKS\RI\B198HX.DBF on 05/16/97 at 12:33:20

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFC	SWL0033	Metals	As (Dissolved)	BCA7060D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	2.6	< 2	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	38	41	46	51	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	38	38	48	53	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	110000	100000	98000	100000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	110000	99000	110000	96000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	92000	84000	95000	100000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	NA	1.6	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	2.6	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	71	84	71	130	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	< 72	< 70	120	110	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	67	< 40	< 40	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	5300	4500	4600	4700	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5300	4500	5000	4600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	4800	4400	4500	4500
			Mg (Dissolved)	BCA6010D	ug/l	NA	29000	26000	26000	25000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	29000	26000	28000	24000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	24000	22000	24000	26000
			Mn (Dissolved)	BCA6010D	ug/l	NA	280	320	340	300	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	290	320	350	290	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	280	230	270	290
			Na (Dissolved)	BCA6010D	ug/l	NA	74000	66000	67000	66000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	75000	66000	72000	64000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	65000	64000	65000	65000
			Zn (Dissolved)	BCA6010D	ug/l	NA	24	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	12	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	340	< 100	270
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	250000	230000	240000	230000	220000	220000	220000	240000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	89000	91000	94000	110000
				BCA325.3T	ug/l	NA	120000	120000	120000	91000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	330	210	260	260	220	400	240	180
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	4.25	3.22	1.2	1.1
				BCAT	%	NA	2.5	2.41	3.49	4	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFC	SWL0033	Gen Mins	Specific Conductivity	BCA120.1T	umhos	NA	990	970	960	1100	1000	1100	950	950
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	86000	100000	110000	90000
				BCA375.4T	ug/l	NA	110000	79000	54000	100000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	400	460	310	360	420	360	600	440
			TDS	BCA160.1T	ug/l	NA	580000	590000	3600000	650000	560000	590000	640000	620000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	250000	230000	240000	230000	220000	220000	220000	240000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 400	500	270
			pH	BCA150.1T	units	NA	7.3	7.52	7.4	7.3	7.3	7.4	7.3	7.4
	SWL0035	VOCs	Benzene	BCA8240.DT	ug/l	NA	99	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Methylene chloride	BCA8240.DT	ug/l	NA	< 1	< 1	< 4.7	< 1	< 1	< 1	1.2	< 1
			Toluene	BCA8240.DT	ug/l	NA	3.3	< 1	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	11	< 2	< 2
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	17	9.3	8	8.2	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	18	12	8.1	7.6	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	51	52	63	66	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	52	57	62	55	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	52000	53000	53000	53000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	53000	54000	55000	48000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	48000	47000	52000	51000
			Fe (Dissolved)	BCA6010D	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	48	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 40	< 40	< 40	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	3700	3500	4000	3800	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	3700	3800	3900	3500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	4000	3500	3800	3500
			Mg (Dissolved)	BCA6010D	ug/l	NA	14000	14000	15000	14000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	14000	14000	15000	13000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	13000	13000	14000	13000
			Mn (Dissolved)	BCA6010D	ug/l	NA	42	37	46	44	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	41	39	43	47	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	42	40	48	38
			Na (Dissolved)	BCA6010D	ug/l	NA	49000	47000	53000	51000	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

B198.FRX with C:\DEL_AMO\TASKS\RI\B198HX.DBF on 05/16/97 at 12:33:24

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0035	Metals	Na (Total)	BCA6010T	ug/l	NA	49000	49000	53000	46000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	49000	45000	50000	44000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	10	27	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	110	< 100	420
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	160000	160000	160000	170000	160000	160000	180000	170000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	41000	38000	40000	39000
				BCA325.3T	ug/l	NA	39000	54000	62000	43000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	370	460	350	320	390	430	400	300
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.5	6.89	0.8	2.7
				BCAT	%	NA	NA	0.39	1.27	0.44	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	NA	< 5	< 50	56	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	NA	NA	< 200	250	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	560	580	670	670	630	640	580	570
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	58000	75000	64000	68000
				BCA375.4T	ug/l	NA	67000	53000	52000	65000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	180	< 100	< 100	< 100	< 100	< 100	< 100	120
			TDS	BCA160.1T	ug/l	NA	350000	330000	330000	380000	340000	340000	350000	290000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	160000	160000	160000	170000	160000	160000	180000	170000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	170	340	< 200
			pH	BCA150.1T	units	NA	8.0	7.7	7.7	7.6	7.6	7.7	7.3	7.6
	SWL0040	VOCs	Benzene	BCA8240.DT	ug/l	NA	69000	90000	91000	95000	100000	110000	110000	120000
			Bromochloromethane	BCA8010T	ug/l	NA	NA	NA	21.3	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8010T	ug/l	NA	< 1000	2.7	< 300	< 50	< 50	< 50	< 30	< 200
				BCA8240.DT	ug/l	NA	< 500	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000
			Chloroform	BCA8010T	ug/l	NA	< 1000	8.1	< 300	< 50	< 50	< 50	< 30	< 200
				BCA8240.DT	ug/l	NA	< 300	< 500	< 500	< 500	< 500	< 500	< 500	< 500
			Dibromochloromethane	BCA8010T	ug/l	NA	< 1000	0.65	< 300	< 50	< 50	< 50	< 30	< 200
				BCA8240.DT	ug/l	NA	< 500	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000
			Ethylbenzene	BCA8240.DT	ug/l	NA	2200	3000	2600	3200	2700	3100	1500	3600
			Methylene chloride	BCA8010T	ug/l	NA	< 1000	1.9	< 300	< 50	< 50	< 200	< 100	< 500
				BCA8240.DT	ug/l	NA	< 500	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000
			Naphthalene	BCA8240.DT	ug/l	NA	< 500	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000

NA - C[illegible]ound or compound class was not analyzed during this event. ND - Not detected above lab[illegible]tory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0040	VOCs	Naphthalene	BCA8270T	ug/l	NA	480	520	610	490	399	480	550	530
			Trichloroethene	BCA8010T	ug/l	NA	< 1000	2.5	< 300	< 50	< 50	< 50	< 30	< 200
				BCA8240.DT	ug/l	NA	< 500	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	2.7	4.5	< 2
		SVOCs	Benzyl alcohol	BCA8270T	ug/l	NA	< 30	< 30	< 30	34	30.8	< 30	< 50	< 50
			2,4-Dimethylphenol	BCA8270T	ug/l	NA	530	520	740	460	418	730	< 30	420
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	< 100	< 100	1200	< 100	520	510	1200
				BCAICT	ug/l	NA	< 100	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ag (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	12	< 10	NA	NA	NA	NA
			Ag (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			As (Dissolved)	BCA7060D	ug/l	NA	5.4	< 5.7	3.6	< 2.1	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	4.8	< 5.8	4.4	3.1	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	85	79	53	64	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	86	77	71	65	NA	NA	NA	NA
			Be (Dissolved)	BCA6010D	ug/l	NA	< 1	< 1	< 1	1.5	NA	NA	NA	NA
			Be (Total)	BCA6010T	ug/l	NA	< 1	< 1	< 1	1.3	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	770000	780000	560000	800000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	790000	780000	810000	820000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	760000	760000	730000	760000
			Cu (Dissolved)	BCA6010D	ug/l	NA	< 20	< 20	< 20	29	NA	NA	NA	NA
			Cu (Total)	BCA6010T	ug/l	NA	< 20	< 20	< 20	29	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 20	< 20	< 20	< 20
			Fe (Dissolved)	BCA6010D	ug/l	NA	320	230	99	330	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	380	240	250	370	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	160	< 40	910	140
			K (Dissolved)	BCA6010D	ug/l	NA	18000	17000	12000	16000	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	18000	17000	17000	16000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	15000	15000	15000	16000
			Mg (Dissolved)	BCA6010D	ug/l	NA	170000	170000	130000	180000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	170000	160000	180000	170000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	170000	150000	160000	160000
			Mn (Dissolved)	BCA6010D	ug/l	NA	2500	3100	2700	3700	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	2500	3000	3600	3600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	3400	3200	3500	3500

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0040	Metals	Na (Dissolved)	BCA6010D	ug/l	NA	1200000	1200000	870000	1200000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	1200000	1100000	1300000	1200000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	1100000	1100000	1100000	1100000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	240	40
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	2000	< 100	250
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	390000	380000	440000	410000	390000	460000	420000	430000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	2600000	2200000	2300000	2200000
				BCA325.3T	ug/l	NA	2600000	2400000	2300000	2300000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	200	140	170	130	120	120	< 100	< 100
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.27	3	3.2	5.74
				BCAT	%	NA	4.77	7.54	7.49	7.1	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 20000
				BCA353.2T	ug/l	NA	< 50	< 50	61	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	1500	NA
				BCA353.2T	ug/l	NA	< 200	< 200	270	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	9000	9100	10000	10000	9900	9900	9100	8300
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	820000	1000000	870000	860000
				BCA375.4T	ug/l	NA	700000	830000	780000	960000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	310000	17000	180000	280000	240000	7400	10000	260000
			TDS	BCA160.1T	ug/l	NA	6900000	6600000	7100000	7600000	7000000	8200000	7600000	6600000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	390000	380000	440000	410000	390000	460000	420000	430000
			pH	BCA150.1T	units	NA	6.7	6.7	6.6	6.6	6.7	6.6	6.6	6.6
	SWL0043	VOCs	Xylenes (Total)	BCA8240.DT	ug/l	NA	NA	NA	< 1	< 1	< 1	1.6	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	ND	ND	ND	ND	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	< 100	< 100	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	1E+03	1E+02	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	NA	NA	6.1	10	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	NA	NA	8.3	7	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	NA	NA	34	29	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	NA	NA	36	30	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	NA	NA	57000	53000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	NA	NA	55000	57000	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFC	SWL0043	Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	55000
			K (Dissolved)	BCA6010D	ug/l	NA	NA	NA	4200	4200	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	NA	NA	4300	4200	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	3700
			Mg (Dissolved)	BCA6010D	ug/l	NA	NA	NA	16000	15000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	NA	NA	16000	16000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	15000
			Mn (Dissolved)	BCA6010D	ug/l	NA	NA	NA	22	50	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	NA	NA	35	55	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	53
			Na (Dissolved)	BCA6010D	ug/l	NA	NA	NA	50000	50000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	NA	NA	51000	52000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	47000
			Zn (Dissolved)	BCA6010D	ug/l	NA	NA	NA	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	NA	NA	< 10	< 11	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	13
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	870
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	170000	170000	NA	NA	NA	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	33000
				BCA325.3T	ug/l	NA	NA	NA	31000	31000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	490	400	NA	NA	NA	310
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.5
				BCAT	%	NA	NA	NA	3.2	0.96	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	660	620	NA	NA	NA	610
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	89000
				BCA375.4T	ug/l	NA	NA	NA	82000	84000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	600	1300	NA	NA	NA	650
			TDS	BCA160.1T	ug/l	NA	NA	NA	350000	390000	NA	NA	NA	360000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	170000	170000	NA	NA	NA	180000
			pH	BCA150.1T	units	NA	NA	NA	7.7	7.6	NA	NA	NA	7.2
	SWL0053	VOCs	Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 1	1.4
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+04	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0053	Metals	Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	140000	140000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6000	5900
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	41000	37000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	180	140
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	81000	76000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	340	< 10
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	180000	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	170000	120000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	160	280
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.55	3.66
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	6500
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	5900	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1500	1200
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	260000	250000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	9100	4000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1100000	900000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	180000	190000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	260	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.4	7.5
	SWL0054	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	14	16
			Chloroform	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	6.2	< 10
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
			1,1-Dichloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	< 10
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	16	25
			cis-1,2-Dichloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	16	< 10
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 10
			Tetrachloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	510	630
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	340	450
			Trichloroethene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	1200	1900
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	1100	1500
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	< 100	< 100

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0054	BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+05	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	190000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	< 40	50
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	7000	8100
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	36000	50000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	110	< 10
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	81000	86000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	21	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	180	< 150
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	260000	260000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	260000	370000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	310	140
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	2.01	3.2
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1500
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	1400	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1500	1800
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	59000	59000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	150
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1000000	1100000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	260000	260000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	580	570
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.0	7.0
	SWL0055	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	8800	4600
			Ethylbenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	400	290
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	150	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+06	NA
		Metals	Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	360	< 100
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150000	150000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	1800	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	4400	4400
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	40000	41000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	680	690
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150000	160000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	SWL0055	Metals	Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	22	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	190	200
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	300000	260000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	200000	210000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	230	250
			Ion Balance	BCA150.1T	%	NA	NA	NA	NA	NA	NA	NA	1.15	NA
				BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	4.98
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	720	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1800	1600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	260000	250000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	7000	36000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1400000	1300000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	300000	260000
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.3	7.3
	SWL0058	VOCs	Chlorobenzene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	1200	1300
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	1300	1500
			Chloroform	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	5.1
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
			1,4-Dichlorobenzene	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	11	< 5
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 10	< 10
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
			1,2-Dichloroethane	BCA8010T	ug/l	NA	NA	NA	NA	NA	NA	NA	8.5	14
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	12	17
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	6700	7000
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+06	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	120000	130000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	7300	7900
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	35000	39000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	42	69
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	100000	100000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	17	10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	100	< 100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	280000	280000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFC	SWL0058	Gen Mins	Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	220000	260000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	270	190
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.29	0.69
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	580	< 500
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1400	1400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	79000	78000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	< 200	200
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	920000	880000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	280000	280000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	330	590
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	6.9	7.2
	XBF-01	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-02	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-03	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-04	VOCs	Benzene	BCA8020T	ug/l	NA	NA	NA	NA	NA	NA	NA	61	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-04	VOCs	Benzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 100
			Chlorobenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	21000	13000
			1,2-Dichlorobenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 300	< 200
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	5.5	< 30
			1,4-Dichlorobenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 300	< 200
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	38	46
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	44000	42000
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+02	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	98000	110000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6400	6400
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	23000	26000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	230	230
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	62000	62000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	13	24
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	200000	210000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	97000	100000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	280	210
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	1.4	3.76
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	970	980
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	130000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	940	1300
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	700000	710000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	200000	210000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	490	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.2	7.4
	XBF-05	VOCs	Chlorobenzene	BCA8240.DT	ug/l	2700	1000	590	550	320	220	94	48	NA
			Toluene	BCA8015MT	ug/l	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	5.4	NA	< 0.5	< 0.5	< 0.5	< 0.5	NA
				BCA8240.DT	ug/l	< 20	< 5	< 20	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	ND	ND	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	2900	< 100	930	240	< 100	< 100	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-05	PCBSA	PCBSA	BCAICT	ug/l	NA	5300	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-06	VOCs	Acetone	BCA8240.DT	ug/l	< 2000	< 50	< 3000	< 5000	< 2000	< 500	< 2000	2300	< 3000
			Benzene	BCA8015MT	ug/l	NA	NA	NA	180	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	160	NA	160	140	180	110	160
				BCA8240.DT	ug/l	200	180	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	33000	25000	24000	25000	22000	9300	2500	19000	25000
			1,4-Dichlorobenzene	BCA8015MT	ug/l	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	NA	NA	NA	35	NA	NA	NA
				BCA8240.DT	ug/l	< 200	< 5	< 300	NA	< 200	< 50	< 200	< 200	< 300
				BCA8270T	ug/l	< 5	37	31	36	21	NA	NA	NA	NA
			Toluene	BCA8015MT	ug/l	NA	NA	NA	0.70	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	4.5	NA	< 0.5	3.5	< 20	0.51	< 0.5
				BCA8240.DT	ug/l	< 200	< 5	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	< 200	28	< 300	< 500	< 200	< 50	< 200	< 200	< 300
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	< 2.9	25	< 2
		SVOCs	All Analytes			ND	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	beta-BHC	BCA8080T	ug/l	0.10	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	110000	99000	89000	77000	80000	80000	75000
				BCAICT	ug/l	NA	120000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	63	63	58	59	54	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	63	59	310	57	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	130000	140000	130000	120000	120000	NA	NA	NA	NA
			Ca (Total)	BCA6010DG	ug/l	130000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	130000	130000	200000	120000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110000
			Fe (Dissolved)	BCA6010D	ug/l	< 40	41	< 40	< 40	< 85	NA	NA	NA	NA
			Fe (Total)	BCA6010DG	ug/l	< 40	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 57	52	7600	100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 40
			K (Dissolved)	BCA6010D	ug/l	7400	7700	7400	7100	6600	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	7300	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	7600	7300	5500	6900	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-06	Metals	K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	6700
			Mg (Dissolved)	BCA6010D	ug/l	32000	32000	32000	31000	27000	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	31000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	32000	31000	73000	28000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	28000
			Mn (Dissolved)	BCA6010D	ug/l	120	110	100	100	88	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	120	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	110	110	4900	90	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	84
			Na (Dissolved)	BCA6010D	ug/l	67000	70000	70000	68000	64000	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	67000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	69000	69000	190000	67000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	61000
			Zn (Dissolved)	BCA6010D	ug/l	52	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	19	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010T	ug/l	NA	< 12	12	< 10	< 17	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	26
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	210
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	190000	NA	NA	NA	NA	NA	NA	NA	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110000
				BCA325.3T	ug/l	160000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	200	NA	NA	NA	NA	NA	NA	NA	210
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.2
				BCAT	%	0.62	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	1200	NA	NA	NA	NA	NA	NA	NA	1000
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	150000
				BCA375.4T	ug/l	190000	NA	NA	NA	NA	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	1700	NA	NA	NA	NA	NA	NA	NA	1400
			TDS	BCA160.1T	ug/l	930000	NA	NA	NA	NA	NA	NA	NA	780000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	190000	NA	NA	NA	NA	NA	NA	NA	190000
			pH	BCA150.1T	units	7.6	NA	NA	NA	NA	NA	NA	NA	7.4
	XBF-07	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 50	< 5000	< 5000	< 2000	< 5000	< 2000	18000	< 5000
			Benzene	BCA8015MT	ug/l	NA	NA	NA	49	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	53	NA	54	59	3.8	54	69
				BCA8240.DT	ug/l	NA	< 5	NA	< 300	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	NA	36000	41000	32000	27000	30000	34000	22000	32000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFC	XBF-07	VOCs	1,4-Dichlorobenzene	BCA8020T	ug/l	NA	NA	NA	NA	NA	100	NA	NA	NA
				BCA8240.DT	ug/l	NA	< 5	< 500	< 500	< 200	< 500	< 200	< 500	< 500
			Toluene	BCA8015MT	ug/l	NA	NA	NA	0.50	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	< 0.5	NA	< 0.5	0.94	< 10	< 0.5	< 0.5
				BCA8240.DT	ug/l	NA	< 5	NA	< 500	NA	NA	NA	NA	NA
			Trichloroethene	BCA8240.DT	ug/l	NA	< 5	< 500	< 500	220	< 500	< 200	< 500	< 500
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	16	26	< 2
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	150000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	8000
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	37000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	620
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	69000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	310
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	160
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	240000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	170000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	140
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	1.48
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	1300
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1900
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1200000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	240000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	450
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.2
	XBF-08	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-08	Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-09	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-10	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 10	< 10	< 10	< 10	11	< 10	< 10	< 10
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	99000	NA
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5700	NA
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	27000	NA
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	31	NA
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	70000	NA
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	27	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	180000	NA
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	110000	NA
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	260	NA
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	4.3	NA
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1000	NA
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	NA
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	8600	NA
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	810000	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	180000	NA
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.4	NA
	XBF-11	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-11	BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-12	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-13	VOCs	Acetone	BCA8240.DT	ug/l	< 5000	< 3000	< 3000	< 2000	< 2000	< 2000	< 2000	1100	< 2000
			Benzene	BCA8240.DT	ug/l	26000	26000	24000	23000	19000	25000	19000	15000	21000
			Bromochloromethane	BCA8010T	ug/l	NA	NA	NA	26.3	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8010T	ug/l	NA	< 0.5	< 50	< 0.5	< 50	< 3	< 50	< 0.5	< 30
				BCA8240.DT	ug/l	500	< 300	< 300	< 200	< 200	< 200	< 200	< 100	300
			Chloroform	BCA8010T	ug/l	NA	< 1.9	< 50	1.3	< 50	< 3	< 50	< 0.5	< 30
				BCA8240.DT	ug/l	< 300	< 200	< 200	< 100	< 100	110	< 100	< 50	< 100
			1,2-Dichloroethane	BCA8010T	ug/l	NA	< 0.5	< 50	< 0.5	< 50	< 3	< 50	< 0.5	< 30
				BCA8240.DT	ug/l	< 300	< 200	< 200	< 100	< 100	< 100	< 100	< 50	340
			Ethylbenzene	BCA8240.DT	ug/l	690	590	530	480	540	610	580	310	480
			Methylene chloride	BCA8010T	ug/l	NA	0.50	< 50	< 0.5	< 50	< 3	< 56	< 2	< 100
				BCA8240.DT	ug/l	< 500	< 300	< 300	< 200	< 200	< 200	< 200	< 100	< 200
			Naphthalene	BCA8240.DT	ug/l	NA	< 300	< 300	< 200	< 200	< 200	< 200	< 100	< 200
				BCA8270T	ug/l	15	15	9.4	12	13	12	7.5	8.8	7.0
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	2,4-Dimethylphenol	BCA8270T	ug/l	< 5	< 5	50	< 5	< 5	38	< 5	< 5	< 5
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	44000	< 100	< 100	< 100	1200	< 100	840
				BCAICT	ug/l	NA	2000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+01	1E+03	1E+03 - 1E+04	1E+02 - 1E+03	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	17	< 2	15	18	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	19	11	18	18	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	160	150	160	160	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	150	160	160	160	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-13	Metals	Be (Dissolved)	BCA6010D	ug/l	NA	< 1	< 1	1.4	1.8	NA	NA	NA	NA
			Be (Total)	BCA6010T	ug/l	NA	< 1	< 1	1.3	1.5	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	960000	1000000	1000000	960000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	950000	1100000	970000	970000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	980000	880000	950000	800000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	9.6	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	9	NA	NA	NA	NA	NA	NA	NA
			Cu (Dissolved)	BCA6010D	ug/l	NA	< 20	< 20	26	35	NA	NA	NA	NA
			Cu (Total)	BCA6010T	ug/l	NA	< 20	< 20	25	36	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 29	< 20	< 20	< 20
			Fe (Dissolved)	BCA6010D	ug/l	NA	2600	2500	2800	3100	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	2500	2600	2900	2900	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	1800	540	1700	1400
			K (Dissolved)	BCA6010D	ug/l	NA	16000	15000	15000	15000	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	15000	16000	15000	15000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	15000	15000	15000	15000
			Mg (Dissolved)	BCA6010D	ug/l	NA	220000	220000	230000	230000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	220000	230000	230000	220000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	230000	190000	220000	220000
			Mn (Dissolved)	BCA6010D	ug/l	NA	850	820	890	920	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	800	860	900	860	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	920	900	930	870
			Na (Dissolved)	BCA6010D	ug/l	NA	400000	400000	420000	400000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	390000	400000	410000	400000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	410000	390000	400000	370000
			Zn (Dissolved)	BCA6010D	ug/l	NA	170	120	740	310	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	210	120	1500	220	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	140	89	77	120
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	280	< 100	140
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	220000	260000	240000	230000	230000	230000	250000	250000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	2300000	2100000	2200000	2200000
				BCA325.3T	ug/l	NA	2300000	2200000	2400000	2300000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	110	120	280	150	170	240	110	< 100
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	5.9	3.23	5.6	0.36

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-13	Gen Mins	Ion Balance	BCAT	%	NA	5.01	6.37	4.4	4.4	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	39000
				BCA353.2T	ug/l	NA	< 50	< 50	< 50	< 50	< 50	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	8000	8600	7600	7600	9300	8500	7700	7200
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	340000	410000	320000	350000
				BCA375.4T	ug/l	NA	290000	380000	260000	370000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	160000	65000	6300	150000	8200	130000	8000	150000
			TDS	BCA160.1T	ug/l	NA	5300000	6700000	5600000	5600000	7400000	8900000	6800000	8100000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	220000	260000	240000	230000	230000	230000	250000	250000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	65000	< 25000	< 30000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	5400	< 5000	< 200
			pH	BCA150.1T	units	NA	6.8	6.6	6.7	6.5	6.5	6.5	6.6	6.6
	XBF-14	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 50	< 300	< 2000	< 200	380	< 520	< 310	< 300
			Benzene	BCA8015MT	ug/l	NA	NA	NA	5.4	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	8.5	NA	7.5	8.7	5.0	5.4	7.5
				BCA8240.DT	ug/l	NA	9	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8010T	ug/l	NA	3400	2600	1300	2600	4100	3100	3300	2800
				BCA8240.DT	ug/l	NA	2900	2400	2100	2400	3400	2600	2300	3700
			Chloromethane	BCA8010T	ug/l	NA	< 50	< 50	< 10	< 10	< 20	< 20	< 20	< 10
				BCA8240.DT	ug/l	NA	< 5	< 30	< 200	< 20	< 20	190	< 20	< 30
			1,2-Dichlorobenzene	BCA8010T	ug/l	NA	< 50	< 50	< 10	< 10	< 20	38	< 20	< 10
				BCA8240.DT	ug/l	NA	< 5	< 30	< 200	< 20	< 20	< 20	< 20	< 30
			1,4-Dichlorobenzene	BCA8010T	ug/l	NA	< 50	< 50	< 10	< 10	< 20	< 20	< 20	< 10
				BCA8020T	ug/l	NA	NA	NA	NA	NA	12	NA	NA	NA
				BCA8240.DT	ug/l	NA	< 5	< 30	< 200	< 20	< 20	< 20	< 20	< 30
			Methylene chloride	BCA8010T	ug/l	NA	< 50	< 50	< 10	< 10	< 20	< 58	< 50	< 40
				BCA8240.DT	ug/l	NA	< 5	< 30	310	< 20	< 20	< 20	< 20	< 30
			Tetrachloroethene	BCA8010T	ug/l	NA	< 50	< 50	< 10	16	< 20	31	44	26
				BCA8240.DT	ug/l	NA	12	< 30	< 200	< 20	20	< 20	23	25
			Toluene	BCA8015MT	ug/l	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	2.4	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				BCA8240.DT	ug/l	NA	< 5	< 30	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	25000	24000	28000	29000	23000	26000	23000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-14	PCBSA	PCBSA	BCAICT	ug/l	NA	34000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	98000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	5700
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	27000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	68
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	71000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	41
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	160000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	230
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.7
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1200
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	1000
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	74000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	640000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	290
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.5
	XBF-15	VOCs	Benzene	BCA8020T	ug/l	NA	NA	NA	NA	NA	NA	NA	27	31
			Chlorobenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	30000	25000
			1,2-Dichlorobenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 500	< 300
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	7.1	7.2
			1,4-Dichlorobenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 500	< 300
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	47	52
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	110000	98000
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+01<	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150000	180000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	51	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	6800	6900
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	51000	57000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	110	160

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFC	XBF-15	Metals	Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	96000	93000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	43	35
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	280000	350000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	360000	140000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	190	140
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.037	3.41
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1600	1600
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	17000	280000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	2500	3100
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1200000	1300000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	280000	350000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	590	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.2	7.1
	XBF-16	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-17	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-18	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-18	Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-19	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	NA	NA	NA	NA	NA	1E+01	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	48000	47000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	80	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5100	4600
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	12000	12000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	42	37
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	47000	44000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	21	14
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	440	< 100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	180000	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	59000	42000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	330	280
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	5.96	3.89
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	670	560
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	44000	45000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	140	< 100
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	1000000	330000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	180000	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	320	< 200
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.7	7.9
	XBF-20	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-21	VOCs	Benzene	BCA8020T	ug/l	NA	NA	NA	NA	NA	NA	NA	5.9	NA
				BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 50

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFC	XBF-21	VOCs	Chlorobenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	6600	5800
			1,4-Dichlorobenzene	BCA8240.DT	ug/l	NA	NA	NA	NA	NA	NA	NA	< 100	< 100
				BCA8270T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	18
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	32000	31000
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	90000	99000
			Fe (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	62	< 40
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	5700	5900
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	25000	26000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	150	170
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	68000	69000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	50	24
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	210000	230000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	100000	98000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	300	220
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	0.25	1.09
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	1900
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	1000	970
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	130000	120000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	810	930
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	710000	670000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	210000	230000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	1500	470
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	7.5	7.4
	XBF-22	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-23	VOCs	Chlorobenzene	BCA8240.DT	ug/l	NA	23	25	23	21	15	14	12	18

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-23	VOCs	Toluene	BCA8240.DT	ug/l	NA	1.9	< 1	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	ND	ND	ND	ND	ND	ND	ND	ND
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	< 100	2000	< 100	< 100	< 100	220	< 100
				BCAICT	ug/l	NA	< 100	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+02	1E+01	1E+01	1E+02	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	3.1	3.7	4.1	4.1	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	2.6	5.2	4.6	3.8	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	50	62	56	58	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	46	62	57	59	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	130000	140000	150000	150000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	130000	140000	150000	150000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	140000	140000	150000	160000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	9.7	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	6.9	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	59	< 130	74	< 110	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	79	< 130	200	170	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	48	< 40	120	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	12000	8500	7900	7300	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	11000	8500	8000	7400	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	7300	7000	7200	7000
			Mg (Dissolved)	BCA6010D	ug/l	NA	36000	38000	42000	40000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	35000	38000	42000	41000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	40000	41000	44000	46000
			Mn (Dissolved)	BCA6010D	ug/l	NA	230	280	300	280	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	220	280	290	300	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	270	290	320	340
			Na (Dissolved)	BCA6010D	ug/l	NA	80000	80000	81000	81000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	76000	80000	84000	81000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	79000	79000	80000	79000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	70	< 13	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	130	86	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	21	52	54

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
MBFC	XBF-23	Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	240000	260000	260000	260000	260000	270000	270000	280000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	140000	150000	150000	160000
				BCA325.3T	ug/l	NA	180000	180000	160000	160000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	160	310	300	260	180	200	170	120
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	2.8	2.4	3.38	3.5
				BCAT	%	NA	0.25	3.2	7.5	2.6	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	2400
				BCA350.1T	ug/l	NA	NA	< 50	NA	NA	NA	NA	NA	NA
				BCA353.2T	ug/l	NA	< 50	NA	99	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 5000	780	NA
				BCA350.1T	ug/l	NA	NA	< 200	NA	NA	NA	NA	NA	NA
				BCA353.2T	ug/l	NA	< 200	NA	440	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	1300	1300	2000	1300	1300	1500	1500	1400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	190000	220000	200000	200000
				BCA375.4T	ug/l	NA	160000	210000	140000	190000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	11000	7800	350	9100	8900	9800	9200	800
			TDS	BCA160.1T	ug/l	NA	840000	940000	910000	890000	990000	1000000	1100000	1100000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	240000	260000	260000	260000	260000	270000	270000	280000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 20000	< 1000	8800
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 200	280	< 200
			pH	BCA150.1T	units	NA	7.3	7.4	7.3	7.3	6.9	7.6	7.0	7.4
	XBF-24	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-25	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-25	Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-26	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-27	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-28	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-29	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-30	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
MBFC	XBF-30	Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-31	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-32	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XBF-33	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
Gage	SWL0020	VOCs	Carbon disulfide	BCA8240.DT	ug/l	< 2	< 2	NA	< 2	3.4	< 2	< 2	< 2	< 2
			Chloromethane	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3.0
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Gage	SWL0020	Metals	Ba (Dissolved)	BCA6010D	ug/l	50	44	51	47	48	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	42	48	47	46	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	50000	53000	56000	57000	54000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	54000	51000	54000	53000	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	< 5	8.7	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	8.7	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 40	< 40	< 40	< 40	< 110	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	46	< 40	< 40	< 52	NA	NA	NA	NA
			Hg (Dissolved)	BCA7470D	ug/l	0.8	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA
			Hg (Total)	BCA7470T	ug/l	NA	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	3200	3900	3900	4000	3500	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	3600	3600	3700	3300	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	11000	11000	12000	12000	12000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	11000	11000	11000	11000	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	18	21	26	14	27	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	19	24	26	27	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	43000	46000	47000	46000	44000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	43000	43000	44000	43000	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	NA
			Chloride	BCA325.3T	ug/l	32000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	320	NA	NA	NA	NA	NA	NA	NA	NA
			Ion Balance	BCAT	%	1.47	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	540	NA	NA	NA	NA	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	60000	NA	NA	NA	NA	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	290	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	330000	NA	NA	NA	NA	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	NA
			pH	BCA150.1T	units	8.2	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0022	VOCs	Methylene chloride	BCA8240.DT	ug/l	2.4	< 1	< 1.4	< 1	< 1	< 1	< 1	< 1	< 1
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	< 2	2.6	< 2
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	SWL0022	Metals	Al (Dissolved)	BCA6010D	ug/l	130	NA	NA	NA	NA	NA	NA	NA	NA
			Al (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 100
			As (Dissolved)	BCA7060D	ug/l	5.5	NA	NA	NA	NA	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	49	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	47000	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	42000
			Hg (Dissolved)	BCA7470D	ug/l	0.3	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	3600	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	3300
			Mg (Dissolved)	BCA6010D	ug/l	11000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	10000
			Mn (Dissolved)	BCA6010D	ug/l	14	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	14
			Na (Dissolved)	BCA6010D	ug/l	45000	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	42000
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	180000	NA	NA	NA	NA	NA	NA	NA	160000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	26000
				BCA325.3T	ug/l	24000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	350	NA	NA	NA	NA	NA	NA	NA	330
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	4.24
				BCAT	%	2.13	NA	NA	NA	NA	NA	NA	NA	NA
			Ortho Phosphate (as PO4)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	240
			Specific Conductivity	BCA120.1T	umhos	520	NA	NA	NA	NA	NA	NA	NA	500
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	62000
				BCA375.4T	ug/l	57000	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	300000	NA	NA	NA	NA	NA	NA	NA	370000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	180000	NA	NA	NA	NA	NA	NA	NA	160000
			pH	BCA150.1T	units	8.6	NA	NA	NA	NA	NA	NA	NA	8.0
	SWL0025	VOCs	Acetone	BCA8240.DT	ug/l	< 12	< 10	< 10	< 10	< 10	< 10	< 10	< 10	14
			Carbon disulfide	BCA8240.DT	ug/l	< 2	< 2	NA	< 2	3.0	< 2	< 2	9.5	< 2
			Chloroethane	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4.3
			Chloromethane	BCA8240.DT	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.7
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	SWL0025	BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	50	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	51000	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	3300	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	13000	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	42	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	44000	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	180000	NA	NA	NA	NA	NA	NA	NA	NA
			Chloride	BCA325.3T	ug/l	21000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	320	NA	NA	NA	NA	NA	NA	NA	NA
			Ion Balance	BCAT	%	0.45	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	530	NA	NA	NA	NA	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	64000	NA	NA	NA	NA	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	360000	NA	NA	NA	NA	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	180000	NA	NA	NA	NA	NA	NA	NA	NA
			pH	BCA150.1T	units	8.0	NA	NA	NA	NA	NA	NA	NA	NA
	SWL0026	VOCs	All Analytes			NA	NA	ND	NA	NA	NA	NA	NA	NA
			Carbon disulfide	BCA8240.DT	ug/l	< 2	< 2	NA	10	< 2	< 2	< 2.6	< 2	< 2
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	1E+05	1E+05+	1E+04 - 1E+05	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	4.4	NA	NA	NA	NA	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	26	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	53000	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Total)	BCA6010TG	ug/l	NA	52000	49000	60000	52000	49000	49000	49000	51000
			Cd (Dissolved)	BCA7131D	ug/l	3.2	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 49	NA	NA	NA	NA	NA	NA	NA	NA
			Fe (Total)	BCA6010TG	ug/l	NA	< 40	< 40	< 40	9390	< 75	< 40	71	< 40
			Hg (Dissolved)	BCA7470D	ug/l	0.32	NA	NA	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	4100	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010TG	ug/l	NA	3100	3100	3700	3000	3200	3400	3000	2900
			Mg (Dissolved)	BCA6010D	ug/l	12000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010TG	ug/l	NA	12000	11000	13000	12000	11000	11000	12000	12000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	SWL0026	Metals	Mn (Dissolved)	BCA6010D	ug/l	14	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010TG	ug/l	NA	25	31	48	33	35	< 10	40	37
			Na (Dissolved)	BCA6010D	ug/l	58000	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010TG	ug/l	NA	43000	43000	49000	43000	43000	42000	43000	42000
			Zn (Dissolved)	BCA6010D	ug/l	< 16	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Total)	BCA6010TG	ug/l	NA	< 10	< 10	< 10	< 10	< 29	< 10	30	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	110	140	310
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	190000	170000	180000	180000	180000	210000	170000	170000	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	32000	34000	37000	38000
				BCA325.2T	ug/l	NA	36000	NA	NA	NA	NA	NA	NA	NA
				BCA325.3T	ug/l	30000	NA	33000	34000	31000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	430	520	340	340	390	320	320	320	410
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	6	4.5	1.48	1.7
				BCAT	%	4.18	3.87	1.16	6.8	1.4	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	530	1400	530	3300	520	580	590	560	550
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	39000	43000	39000	41000
				BCA375.4T	ug/l	50000	34000	40000	51000	43000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	220	160	180	200	150	200	150	180	250
			TDS	BCA160.1T	ug/l	320000	250000	310000	310000	330000	320000	320000	330000	320000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	190000	170000	180000	180000	180000	210000	170000	170000	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 2000	270	< 200
			pH	BCA150.1T	units	8.3	7.9	8.1	8.0	7.7	7.6	7.8	7.8	7.0
	SWL0031	VOCs	Benzene	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.86
				BCA8260T	ug/l	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
			Carbon disulfide	BCA8240.DT	ug/l	NA	< 2	NA	< 2	< 2	< 2	3.0	< 2	< 2
				BCA8260T	ug/l	< 1	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	ND	ND	ND
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			< 0	< 100	< 100	< 100	< 100	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	NA	<1E+01	1E+03	1E+04	1E+04	NA	NA	NA
				BCABIOGRAT	unit/l	NA	NA	NA	NA	NA	NA	1E+01	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	< 2	< 2.3	2.2	< 2	< 2	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	2.3	< 2	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	29	21	32	35	35	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	21	28	37	33	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	SWL0031	Metals	Ca (Dissolved)	BCA6010D	ug/l	50000	49000	55000	55000	53000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	50000	50000	55000	57000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	52000	NA	NA	NA	NA	NA	NA
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	< 5	9.3	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	6.5	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	< 40	< 40	< 40	< 40	< 69	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	58	< 40	< 40	< 74	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	< 40	NA	NA	NA	NA	NA	NA
			K (Dissolved)	BCA6010D	ug/l	3500	3200	3800	3500	3200	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	3100	3300	3500	3200	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	3000	NA	NA	NA	NA	NA	NA
			Mg (Dissolved)	BCA6010D	ug/l	12000	12000	13000	12000	12000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	12000	12000	13000	12000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	12000	NA	NA	NA	NA	NA	NA
			Mn (Dissolved)	BCA6010D	ug/l	35	54	61	37	45	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	52	54	51	52	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	50	NA	NA	NA	NA	NA	NA
			Na (Dissolved)	BCA6010D	ug/l	52000	47000	51000	46000	45000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	45000	45000	47000	47000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	43000	NA	NA	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	< 10	< 10	< 10	< 10	< 11	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	14	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	< 10	NA	NA	NA	NA	NA	NA
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	200000	NA	160000	180000	180000	NA	NA	NA	NA
			Chloride	BCA325.3T	ug/l	44000	NA	47000	51000	44000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	420	NA	560	710	460	NA	NA	NA	NA
			Ion Balance	BCAT	%	2.22	NA	2.52	0.06	0.34	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	4300	NA	560	600	580	NA	NA	NA	NA
			Sulfate	BCA375.4T	ug/l	43000	NA	36000	36000	38000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	200	NA	< 100	< 100	< 100	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	320000	NA	310000	340000	340000	NA	NA	NA	NA
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	200000	NA	160000	180000	180000	NA	NA	NA	NA
			pH	BCA150.1T	units	7.8	NA	7.8	7.9	7.6	NA	NA	NA	NA
	SWL0034	VOCs	Benzene	BCA8015MT	ug/l	NA	NA	NA	16	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	SWL0034	VOCs	Benzene	BCA8020T	ug/l	NA	NA	22	NA	14	11	11	13	17
				BCA8240.DT	ug/l	NA	12	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8010T	ug/l	NA	8600	8000	7100	5800	7900	6800	8800	11000
				BCA8240.DT	ug/l	NA	8300	NA	9400	6100	5400	6600	7200	7700
			1,4-Dichlorobenzene	BCA8010T	ug/l	NA	< 50	< 100	< 50	< 30	< 30	< 50	< 30	< 50
				BCA8020T	ug/l	NA	NA	NA	NA	NA	8.7	NA	NA	NA
				BCA8240.DT	ug/l	NA	< 5	NA	< 100	< 50	< 50	< 50	< 50	< 100
				BCA8270T	ug/l	NA	6.8	7.3	6.3	5.7	NA	NA	NA	NA
			Methyl Ethyl Ketone	BCA8240.DT	ug/l	NA	< 30	< 500	< 500	< 300	< 300	< 300	55	< 500
			Methylene chloride	BCA8010T	ug/l	NA	< 50	< 100	< 50	< 30	< 30	< 200	< 100	< 200
				BCA8240.DT	ug/l	NA	< 5	< 100	120	< 50	< 50	< 50	< 50	< 100
			Toluene	BCA8015MT	ug/l	NA	NA	NA	0.52	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	5.0	NA	0.58	< 0.75	< 0.5	< 0.5	< 10
				BCA8240.DT	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	NA	12	< 100	< 100	< 50	< 50	< 50	< 50	< 100
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	36000	34000	33000	25000	35000	38000	39000
				BCAICT	ug/l	NA	36000	NA	NA	NA	NA	NA	NA	NA
				ICBCA	ug/l	NA	36000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+06	>1E+07	1E+02	1E+04	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	30	18	11	7.1	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	32	18	11	7	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	45	39	39	42	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	44	36	40	41	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	120000	120000	110000	110000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	120000	110000	120000	100000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	94000	110000	130000	140000
			Cd (Dissolved)	BCA6010D	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Total)	BCA6010T	ug/l	NA	NA	< 5	< 5	< 5	NA	NA	NA	NA
			Cd (Dissolved)	BCA7131D	ug/l	NA	1	NA	NA	NA	NA	NA	NA	NA
			Cd (Total)	BCA7131T	ug/l	NA	1.1	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	< 40	< 40	< 40	< 40	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	63	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 40	< 40	< 40	< 40

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	SWL0034	Metals	K (Dissolved)	BCA6010D	ug/l	NA	5400	4900	5000	4800	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5200	5000	5200	4600	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	4700	4700	5000	5000
			Mg (Dissolved)	BCA6010D	ug/l	NA	29000	29000	30000	27000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	29000	29000	30000	25000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	24000	28000	32000	35000
			Mn (Dissolved)	BCA6010D	ug/l	NA	85	110	130	130	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	84	110	130	120	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	110	83	150	150
			Na (Dissolved)	BCA6010D	ug/l	NA	67000	64000	65000	62000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	65000	63000	68000	58000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	58000	61000	65000	66000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	33	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	730	< 100	370
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	190000	180000	180000	180000	170000	190000	190000	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	140000	180000	190000	210000
				BCA325.3T	ug/l	NA	180000	200000	180000	150000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	290	240	280	260	250	440	250	180
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	3.76	2.67	3.6	4.99
				BCAT	%	NA	0.67	2.65	7.93	4.3	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	1000	1100	2000	1100	1000	1200	1200	1200
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	64000	89000	94000	98000
				BCA375.4T	ug/l	NA	120000	70000	28000	85000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	< 240	270	170	190	200	< 100	270	260
			TDS	BCA160.1T	ug/l	NA	650000	680000	660000	640000	540000	840000	810000	760000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	190000	180000	180000	180000	170000	190000	190000	190000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1600	2600	< 1000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 400	580	310
			pH	BCA150.1T	units	NA	7.7	7.8	7.8	7.7	7.6	7.7	7.6	7.5
	SWL0036	VOCs	Methylene chloride	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	2.1	< 1
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	12	< 2	< 2
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Gage	SWL0036	Gen Mins	Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	49000	64000	53000	52000
				BCA375.4T	ug/l	NA	47000	53000	53000	58000	NA	NA	NA	NA
			TDS	BCA160.1T	ug/l	NA	310000	310000	320000	330000	320000	320000	320000	310000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	190000	180000	180000	180000	200000	190000	170000	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	180	< 200	< 200
			pH	BCA150.1T	units	NA	7.9	7.9	7.8	7.7	7.8	7.8	7.7	7.7
	XDA-1B	VOCs	Benzene	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	0.87	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Carbon Tetrachloride	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	1.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			1,1-Dichloroethene	BCA8240.DT	ug/l	NA	< 0.5	< 0.5	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Freon 11	BCA8240.DT	ug/l	NA	< 1	< 1	1.5	< 1	< 1	< 1	< 1	< 1
			Naphthalene	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	1.1	< 1
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	35000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4500
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	9600
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	24
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	40000
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	280
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	21000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	390
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	0.69
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	400
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	8600
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	120
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	250000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	250
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.8
	XG-01	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	SWL0036	BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	< 2	< 2	2.1	2.3	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	20	23	22	27	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	21	21	22	27	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	49000	52000	55000	51000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	51000	49000	55000	53000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	52000	51000	48000	53000
			Fe (Dissolved)	BCA6010D	ug/l	NA	< 40	< 40	< 40	< 65	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	< 40	< 40	< 40	< 79	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 49	< 40	85	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	3000	3300	3300	3100	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	3100	3100	3400	3000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	3200	2900	2800	2900
			Mg (Dissolved)	BCA6010D	ug/l	NA	12000	13000	13000	12000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	13000	12000	13000	12000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	12000	12000	12000	12000
			Mn (Dissolved)	BCA6010D	ug/l	NA	46	56	59	60	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	49	53	71	63	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	64	58	54	55
			Na (Dissolved)	BCA6010D	ug/l	NA	46000	47000	45000	42000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	47000	44000	46000	43000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	44000	41000	40000	41000
			Pb (Dissolved)	BCA7421D	ug/l	NA	< 2	< 2	< 2	< 2	NA	NA	NA	NA
			Pb (Total)	BCA7421T	ug/l	NA	< 2	< 2	6.9	< 2	NA	NA	NA	NA
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 25	< 10	120	13
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	200	< 100	330
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	190000	180000	180000	180000	200000	190000	170000	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	24000	31000	27000	28000
				BCA325.3T	ug/l	NA	32000	30000	30000	23000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	420	380	600	390	470	450	170	340
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	1.3	8.58	0.94	0.23
				BCAT	%	NA	2.28	1.67	0.36	1.1	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	520	540	580	540	580	600	550	530

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HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-01	Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-02	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-03	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-04	VOCs	Acetone	BCA8240.DT	ug/l	< 100	< 50	< 50	< 2000	< 50	< 1000	< 50	92	< 50
			Benzene	BCA8015MT	ug/l	NA	NA	NA	0.73	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	< 0.5	NA	0.99	0.59	< 0.5	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 5	< 5	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	600	580	530	480	620	1100	700	550	380
			Toluene	BCA8015MT	ug/l	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	2.2	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				BCA8240.DT	ug/l	< 10	< 5	< 5	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	3500	< 100	3700	3600	NA	3100	1500
				BCAICT	ug/l	NA	4300	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	52000

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-04	Metals	K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	3700
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	14000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	38
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	45000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	25
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	200
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	57000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	240
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	0.04
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	620
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	33000
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	310000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	290
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.8
	XG-05	VOCs	Acetone	BCA8240.DT	ug/l	< 500	< 1000	< 500	< 2000	< 500	1200	< 1000	< 1000	< 500
			Benzene	BCA8015MT	ug/l	NA	NA	NA	5.3	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	5.3	NA	6.8	6.7	< 10	4.7	5.7
				BCA8240.DT	ug/l	< 30	< 50	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	5700	9200	8600	8000	8300	7600	6600	6900	5600
			1,4-Dichlorobenzene	BCA8240.DT	ug/l	< 50	< 100	< 50	< 200	< 50	< 100	< 100	< 100	< 50
				BCA8270T	ug/l	6.5	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	50	47	5.7
		SVOCs	2-Chlorophenol	BCA8270T	ug/l	7.5	NA	NA	NA	NA	NA	NA	NA	NA
			Di-n-octylphthalate	BCA8270T	ug/l	17	NA	NA	NA	NA	NA	NA	NA	NA
			Bis(2-ethylhexyl)phthalate	BCA8270T	ug/l	17	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	27000	26000	26000	23000	25000	25000	23000
				BCAICT	ug/l	NA	27000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	65000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4100
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	18000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	45
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	47000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-05	Metals	Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	15
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	200
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	170000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	72000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	260
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	0.74
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	700
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	63000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	210
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	440000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	170000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	230
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.8
	XG-06	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 50	< 500	< 2000	< 200	470	< 200	< 500	< 500
			Benzene	BCA8020T	ug/l	NA	NA	< 0.5	NA	2.0	2.4	6.5	1.3	1.5
				BCA8240.DT	ug/l	NA	23	NA	1.7	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	NA	2600	2300	2100	2600	3500	3200	2900	2900
			Methylene chloride	BCA8240.DT	ug/l	NA	< 5	< 50	< 200	< 20	< 20	< 20	< 50	120
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	19000	18000	20000	20000	< 100	23000	22000
				BCAICT	ug/l	NA	21000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	67000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4300
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	18000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	61
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	47000
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	57000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	210
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	3.05
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	670
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	61000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-06	Gen Mins	TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	510000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	410
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	7.6
	XG-07	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-08	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 50	< 50	< 100	< 50	< 100	< 20	110	< 50
			Benzene	BCA8240.DT	ug/l	NA	4.8	< 3	< 5	< 3	< 5	< 1	< 3	< 3
			Chlorobenzene	BCA8240.DT	ug/l	NA	250	270	360	280	400	330	220	430
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	1600	< 100	1400	1700	1500	1800	< 100
				BCAICT	ug/l	NA	1500	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	48000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4100
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	14000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	38
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	44000
			Zn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	16
		Gen Mins	Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	39000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	370
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	0.79
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	540
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	38000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	120
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	320000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-08	Gen Mins	pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	8.0
	XG-09	VOCs	Acetone	BCA8240.DT	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	11	< 10
			Benzene	BCA8240.DT	ug/l	91	24	1.8	1.0	1.0	< 0.5	0.57	< 0.5	< 0.5
			Chlorobenzene	BCA8240.DT	ug/l	< 1	2.0	< 1	1.0	1.1	< 1	< 1	< 1	< 1
			Ethylbenzene	BCA8240.DT	ug/l	36	23	17	13	12	8.6	7.8	4.0	5.9
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	2.9	2.9	< 2
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	1000	1600	720	770	620	670	210
				BCAICT	ug/l	NA	2200	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+02	>1E+07	1E+02	1E+03	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	NA	59	61	55	56	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	60	61	57	55	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	84000	90000	85000	84000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	93000	90000	86000	79000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	76000	73000	71000	73000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	9.3	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	7.6	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	82	< 150	55	< 83	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	220	< 150	160	210	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 100	< 40	95	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	4000	4300	4100	4100	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	3900	4300	4200	4000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	4100	4000	3800	3900
			Mg (Dissolved)	BCA6010D	ug/l	NA	21000	22000	21000	20000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	22000	22000	21000	19000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	20000	19000	19000	20000
			Mn (Dissolved)	BCA6010D	ug/l	NA	57	62	54	53	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	59	62	56	52	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	50	18	50	47
			Na (Dissolved)	BCA6010D	ug/l	NA	54000	59000	56000	54000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	55000	59000	57000	54000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	54000	52000	51000	50000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	130	< 10	< 10	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-09	Metals	Zn (Total)	BCA6010T	ug/l	NA	< 17	130	100	28	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 16	< 10	23	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	170	330	100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	172000	190000	170000	180000	170000	170000	180000	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	85000	85000	66000	70000
				BCA325.3T	ug/l	NA	110000	94000	91000	85000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	220	290	410	320	440	450	280	270
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	2.8	4.51	2.67	1.96
				BCAT	%	NA	0.1	3.24	4.7	3.5	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	680
				BCA353.2T	ug/l	NA	< 50	< 50	< 50	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	1100	700	NA
				BCA353.2T	ug/l	NA	< 200	< 200	< 200	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	930	770	800	780	8500	850	790	740
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	75000	100000	74000	76000
				BCA375.4T	ug/l	NA	82000	89000	76000	76000	NA	NA	NA	NA
			Sulfide	BCA376.2T	ug/l	NA	NA	NA	NA	NA	NA	200	300	200
			Surfactants	BCA425.1T	ug/l	NA	490	10000	4000	10000	6300	5900	5500	6100
			TDS	BCA160.1T	ug/l	NA	500000	580000	550000	500000	530000	520000	520000	530000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	172000	190000	170000	180000	170000	170000	180000	180000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	5400	< 1000	< 10000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	210	240	< 200
			pH	BCA150.1T	units	NA	7.9	7.9	7.7	8.0	7.6	7.6	7.9	7.6
	XG-10	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-11	VOCs	Benzene	BCA8240.DT	ug/l	< 0.5	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			Methylene chloride	BCA8240.DT	ug/l	1.7	< 1	< 1	< 2.2	< 1	< 1	< 1	< 1	< 1
			Naphthalene	BCA8240.DT	ug/l	NA	< 1	< 1	< 1	< 1	< 1	< 1	1.7	< 1
				BCA8270T	ug/l	< 5	< 5	< 5	< 5	< 5	NA	NA	NA	NA
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	22	< 2	< 2

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-11	SVOCs	All Analytes			ND	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	440	< 100	360	400	380	480	< 100
				BCAICT	ug/l	NA	560	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	NA	43	48	47	47	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	42	48	46	48	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	66000	65000	66000	64000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	72000	65000	69000	65000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	61000
			Cr (Dissolved)	BCA6010D	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Total)	BCA6010T	ug/l	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA
			Cr (Dissolved)	BCA7191D	ug/l	NA	8.7	NA	NA	NA	NA	NA	NA	NA
			Cr (Total)	BCA7191T	ug/l	NA	7.5	NA	NA	NA	NA	NA	NA	NA
			Fe (Dissolved)	BCA6010D	ug/l	NA	40	< 40	< 40	< 43	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	82	< 40	< 40	< 99	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	3300	3700	3600	3400	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	3300	3700	3600	3500	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	3200
			Mg (Dissolved)	BCA6010D	ug/l	NA	16000	16000	17000	15000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	17000	16000	17000	15000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	15000
			Mn (Dissolved)	BCA6010D	ug/l	NA	53	53	52	47	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	52	53	50	48	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	47
			Na (Dissolved)	BCA6010D	ug/l	NA	49000	52000	52000	49000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	49000	52000	53000	50000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	45000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 14	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 10	< 14	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	20
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	410
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	52000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	280

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

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APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-11	Gen Mins	Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	2.5
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	640
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	63000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	100
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	390000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190000
			Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	260
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	8.0
	XG-12	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 50	< 200	< 1000	< 200	100	< 100	240	< 300
			Benzene	BCA8015MT	ug/l	NA	NA	NA	22	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	23	NA	31	24	23	19	19
				BCA8240.DT	ug/l	NA	23	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	NA	1200	1200	1300	1200	1600	1400	1100	1100
			1,4-Dichlorobenzene	BCA8020T	ug/l	NA	NA	NA	NA	NA	3.8	NA	NA	NA
				BCA8240.DT	ug/l	NA	< 5	< 20	< 100	< 20	< 10	< 10	< 10	< 30
				BCA8270T	ug/l	NA	< 5	< 5	< 5	< 5	NA	NA	NA	NA
			Naphthalene	BCA8240.DT	ug/l	NA	< 5	< 20	< 100	< 20	< 10	< 10	13	< 30
				BCA8270T	ug/l	NA	< 5	< 5	< 5	< 5	NA	NA	NA	NA
			Toluene	BCA8015MT	ug/l	NA	NA	NA	0.80	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	< 0.5	NA	< 0.5	< 0.5	< 3	< 0.5	< 0.5
				BCA8240.DT	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Xylenes (Total)	BCA8240.DT	ug/l	NA	10	< 20	< 100	< 20	< 10	60	< 10	< 30
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	ND	ND	ND	ND	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	12000	18000	17000	17000	18000	18000	15000
				BCAICT	ug/l	NA	18000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX Degraders	BCABIOGRAD	unit/l	NA	1E+02	1E+03	1E+02 - 1E+03	1E+03	NA	NA	NA	NA
		Metals	As (Dissolved)	BCA7060D	ug/l	NA	3.6	2.7	2.4	2.8	NA	NA	NA	NA
			As (Total)	BCA7060T	ug/l	NA	3.8	3.4	4.4	2.5	NA	NA	NA	NA
			Ba (Dissolved)	BCA6010D	ug/l	NA	64	64	67	68	NA	NA	NA	NA
			Ba (Total)	BCA6010T	ug/l	NA	65	62	67	71	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	NA	110000	110000	110000	110000	NA	NA	NA	NA
			Ca (Total)	BCA6010T	ug/l	NA	110000	110000	110000	110000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	100000	100000	100000	110000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993	1994				1995			1996
						Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Gage	XG-12	Metals	Fe (Dissolved)	BCA6010D	ug/l	NA	340	300	190	240	NA	NA	NA	NA
			Fe (Total)	BCA6010T	ug/l	NA	370	300	290	360	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	260	110	200	< 40
			K (Dissolved)	BCA6010D	ug/l	NA	5100	5000	5200	5000	NA	NA	NA	NA
			K (Total)	BCA6010T	ug/l	NA	5100	5000	5100	5100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	5200	5400	4900	5200
			Mg (Dissolved)	BCA6010D	ug/l	NA	28000	28000	29000	28000	NA	NA	NA	NA
			Mg (Total)	BCA6010T	ug/l	NA	28000	28000	28000	28000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	27000	27000	27000	29000
			Mn (Dissolved)	BCA6010D	ug/l	NA	120	110	110	100	NA	NA	NA	NA
			Mn (Total)	BCA6010T	ug/l	NA	120	110	100	100	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	110	74	100	110
			Na (Dissolved)	BCA6010D	ug/l	NA	65000	65000	67000	65000	NA	NA	NA	NA
			Na (Total)	BCA6010T	ug/l	NA	65000	64000	66000	66000	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	64000	64000	63000	63000
			Zn (Dissolved)	BCA6010D	ug/l	NA	< 10	< 10	< 10	< 10	NA	NA	NA	NA
			Zn (Total)	BCA6010T	ug/l	NA	< 17	< 10	< 10	< 10	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	< 10	< 10	17	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	110	290	100
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	190000	190000	190000	190000	190000	190000	180000	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	160000	150000	150000	150000
				BCA325.3T	ug/l	NA	180000	150000	150000	150000	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	NA	320	270	380	260	320	400	240	210
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	0.55	0.3	2.19	4.02
				BCAT	%	NA	0.7	3.8	7.8	3.8	NA	NA	NA	NA
			Nitrate (as N)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 500
				BCA353.2T	ug/l	NA	< 50	< 50	9.3	< 50	< 50	NA	NA	NA
			Nitrate (as NO3)	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	< 100	< 500	NA
				BCA353.2T	ug/l	NA	< 200	< 200	410	< 200	< 200	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	NA	1000	1000	1500	1100	1000	1200	1100	1000
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	90000	88000	88000	90000
				BCA375.4T	ug/l	NA	90000	90000	61000	93000	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	NA	1200	900	730	940	630	1500	800	810
			TDS	BCA160.1T	ug/l	NA	600000	650000	610000	600000	660000	700000	670000	660000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	190000	190000	190000	190000	190000	190000	180000	190000
			o-Phosphate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	2000	< 1000	< 1000

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-12	Gen Mins	Bromide	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	280	300	< 200
			pH	BCA150.1T	units	NA	7.7	7.7	7.8	7.6	7.5	7.6	7.6	7.7
	XG-13	VOCs	Acetone	BCA8240.DT	ug/l	NA	< 50	< 500	< 2000	< 200	260	< 200	< 300	< 300
			Benzene	BCA8015MT	ug/l	NA	NA	NA	2.0	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	< 0.5	NA	2.2	2.2	1.6	1.6	1.6
				BCA8240.DT	ug/l	NA	< 5	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	NA	1800	1600	1800	2000	2100	2600	1800	3000
			1,4-Dichlorobenzene	BCA8020T	ug/l	NA	NA	NA	NA	NA	2.6	NA	NA	NA
				BCA8240.DT	ug/l	NA	< 5	< 50	< 200	< 20	< 20	< 20	< 30	< 30
			Toluene	BCA8015MT	ug/l	NA	NA	NA	0.65	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	2.6	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
				BCA8240.DT	ug/l	NA	< 5	< 50	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	22000	23000	24000	24000	24000	25000	23000
				BCAICT	ug/l	NA	18000	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ca (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	56000
			K (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	4100
			Mg (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	17000
			Mn (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	47
			Na (Total)	BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	44000
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	40000
			Fluoride	BCA340.2T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	450
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	0.81
			Specific Conductivity	BCA120.1T	umhos	NA	NA	NA	NA	NA	NA	NA	NA	620
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	67000
			Surfactants	BCA425.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	190
			TDS	BCA160.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	410000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	180000
			pH	BCA150.1T	units	NA	NA	NA	NA	NA	NA	NA	NA	8.1
	XG-14	VOCs	Trichloroethene	BCA8240.DT	ug/l	NA	37	51	51	61	54	58	54	86
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-17	Metals	Ca (Total)	BCA6010DG	ug/l	52000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	62000
			K (Dissolved)	BCA6010D	ug/l	3600	NA	NA	NA	NA	NA	NA	NA	NA
			K (Total)	BCA6010DG	ug/l	3300	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	3300
			Mg (Dissolved)	BCA6010D	ug/l	14000	NA	NA	NA	NA	NA	NA	NA	NA
			Mg (Total)	BCA6010DG	ug/l	13000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	15000
			Mn (Dissolved)	BCA6010D	ug/l	63	NA	NA	NA	NA	NA	NA	NA	NA
			Mn (Total)	BCA6010DG	ug/l	60	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	65
			Na (Dissolved)	BCA6010D	ug/l	46000	NA	NA	NA	NA	NA	NA	NA	NA
			Na (Total)	BCA6010DG	ug/l	43000	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	46000
			Zn (Dissolved)	BCA6010D	ug/l	23	NA	NA	NA	NA	NA	NA	NA	NA
			Zn (Total)	BCA6010DG	ug/l	15	NA	NA	NA	NA	NA	NA	NA	NA
				BCA6010TG	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	< 10
		Gen Mins	Ammonia (as N)	BCA350.1T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	110
			Bicarbonate (as CaCO3)	BCA310.1T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	190000
			Chloride	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	51000
				BCA325.3T	ug/l	59000	NA	NA	NA	NA	NA	NA	NA	NA
			Fluoride	BCA340.2T	ug/l	250	NA	NA	NA	NA	NA	NA	NA	210
			Ion Balance	BCACALCT	%	NA	NA	NA	NA	NA	NA	NA	NA	0.66
				BCAT	%	6.26	NA	NA	NA	NA	NA	NA	NA	NA
			Specific Conductivity	BCA120.1T	umhos	630	NA	NA	NA	NA	NA	NA	NA	620
			Sulfate	BCA300.0T	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	54000
				BCA375.4T	ug/l	61000	NA	NA	NA	NA	NA	NA	NA	NA
			Surfactants	BCA425.1T	ug/l	< 100	NA	NA	NA	NA	NA	NA	NA	100
			TDS	BCA160.1T	ug/l	380000	NA	NA	NA	NA	NA	NA	NA	400000
			Total Alkalinity (as CaCO3)	BCA310.1T	ug/l	170000	NA	NA	NA	NA	NA	NA	NA	190000
			pH	BCA150.1T	units	8.0	NA	NA	NA	NA	NA	NA	NA	7.8
	XG-18	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - C[illegible]ound or compound class was not analyzed during this event. ND - Not detected above lab[illegible]tory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method	Units	1993 Feb-Dec	1994 Feb	1994 May	1994 Jul	1994 Oct	1995 Mar	1995 Jun	1995 Oct	1996 Feb
Gage	XG-14	SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-15	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-16	VOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA			NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes			NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-17	VOCs	Acetone	BCA8240.DT	ug/l	< 50	< 50	< 50	< 100	< 100	< 50	< 20	130	< 50
			Benzene	BCA8015MT	ug/l	NA	NA	NA	1.3	NA	NA	NA	NA	NA
				BCA8020T	ug/l	NA	NA	< 0.5	NA	1.4	1.4	1.1	1.4	0.96
				BCA8240.DT	ug/l	< 3	< 3	NA	NA	NA	NA	NA	NA	NA
			Chlorobenzene	BCA8240.DT	ug/l	390	350	220	290	320	320	310	220	330
			Methylene chloride	BCA8240.DT	ug/l	< 5	< 5	5.2	< 34	< 10	< 5	< 2	< 5	< 5
		Methane	Methane	BCACH4T	ug/l	NA	NA	NA	NA	NA	NA	56	5.5	< 2
		SVOCs	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes			ND	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA	BCA300.0T	ug/l	NA	NA	5200	4800	5000	4600	4700	4700	3700
				BCAICT	ug/l	NA	6300	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders			NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	Ba (Dissolved)	BCA6010D	ug/l	23	NA	NA	NA	NA	NA	NA	NA	NA
			Ca (Dissolved)	BCA6010D	ug/l	56000	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G1: Time-Series Summary of Detected Groundwater Analytes, Del Amo Monitoring Locations

HSU	Location	Analyte Class	Analyte	Lab/Method Units	1993	1994				1995			1996
					Feb-Dec	Feb	May	Jul	Oct	Mar	Jun	Oct	Feb
Gage	XG-18	BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XG-19	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XLG-01	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
	XLG-02	VOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Methane	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		SVOCs	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Pest, PCB's	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		PCBSA	PCBSA		NA	NA	NA	NA	NA	NA	NA	NA	NA
		BTEX Deg	BTEX degraders		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Metals	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA
		Gen Mins	All Analytes		NA	NA	NA	NA	NA	NA	NA	NA	NA

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory detection limit.

APPENDIX G2

TREND ANALYSIS CHARTS

APPENDIX G2

TREND ANALYSIS CHARTS

This appendix contains graphs of concentrations through time for Del Amo monitoring locations and compounds for which a trend of increasing or decreasing concentration has been identified. Trends were identified using a statistical program. A least-squares linear fit was applied to the time-series data for each monitoring location and compound (all VOCs, SVOCs, and metals), followed by a two-tailed Students T test to identify those locations where the linear fit exhibits a significant slope.

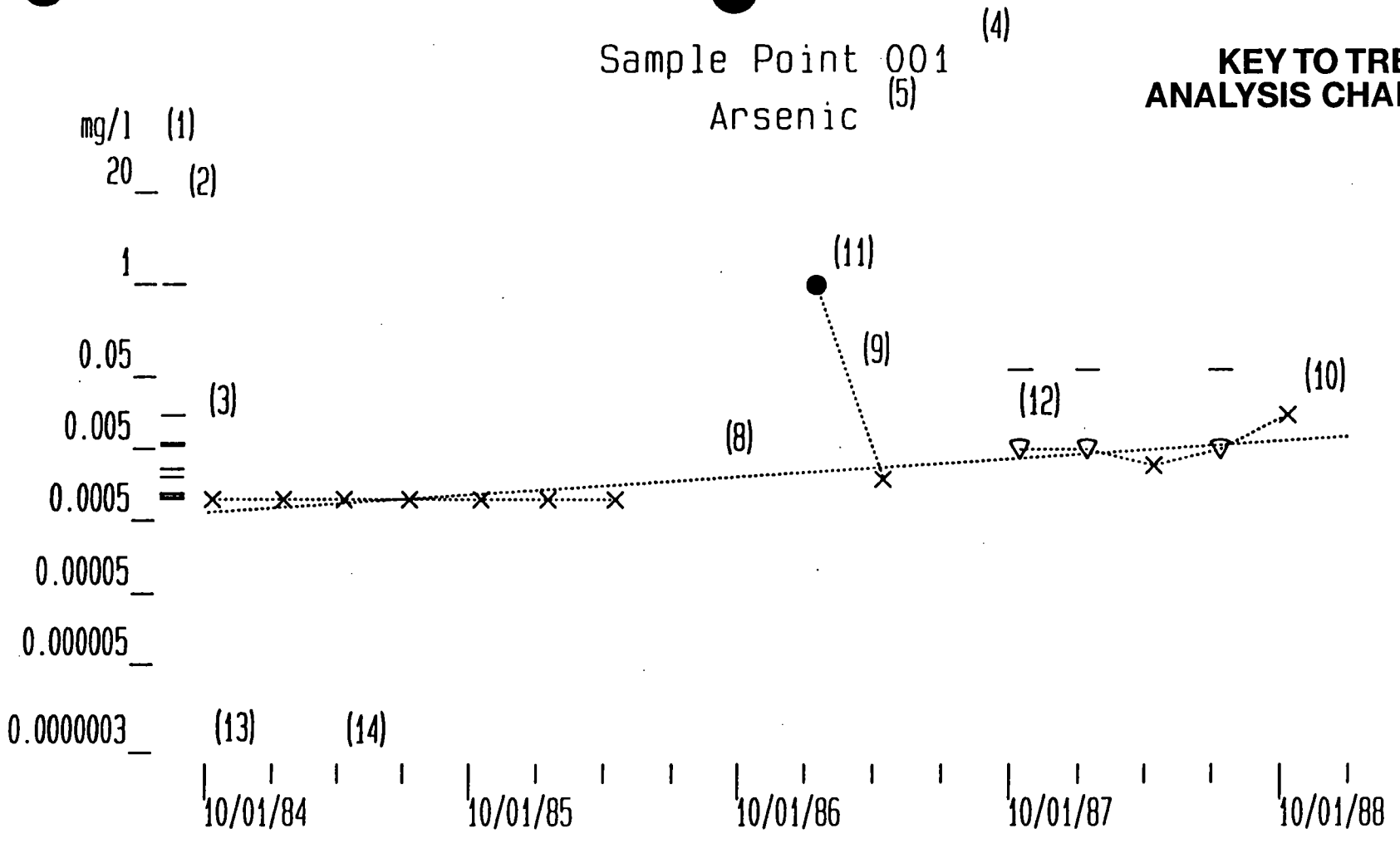
The graphs are presented in alpha-numeric order by hydrostratigraphic unit (water table, MBFB, MBFC, and Gage aquifer).

Symbols used on the graphs are explained below, according to the "Key to Trend Analysis Charts" on the following page:

(1) Units of measurement for the y-axis values.
(2) The horizontal ticks on the y-axis correspond to the numerical values indicated to their left.
(3) These horizontal ticks correspond in a one-to-one fashion with the plotted points. Each is approximately the same height as the corresponding point, so that values may be more precisely read on the y-axis, and the distribution of values may be seen. Where overlapping ticks would obscure each other, some ticks are moved slightly up or down so that they are all visible.
(4) Sample point identifier.
(5) Parameter name.
(6) and
(7) When logarithms are used, the exponential (power of 10) of the log-linear regression slope is reported. This is best interpreted as a multiplicative rate of exponential growth, with a rate of 1 corresponding to no growth, rates greater than one with increase in values over time, and rates between 0 and 1 with a decrease in values over time.
(8) The least-squares (regression) line.
(9) Data points are connected with a dashed line except where the sampling interval exceeds 1.9 times the mean sampling interval.
(10) The center of the "X" marks the datum. Data off the scale have the actual value displayed next to them.
(11) An outlier data point is represented with a filled circle. Outliers are shown, but are not used in computations.

(12) Concentrations of less than the method detection limit are plotted using an the open triangle symbol at a value of zero unless otherwise designated as an outlier. A dash is shown at the level of the detection limit.
(13) The slightly longer vertical ticks correspond to the dates printed below them.
(14) The shorter vertical ticks are intermediate dates, falling at natural intervals.
(15) Copyright notice.
(16) Date that the computations were performed.
(17) Facility name.

KEY TO TREND ANALYSIS CHARTS



(6)

Slope of regression line is 1.7867 (untransformed) units/year

All calculations based on log(10) of actual values (7)

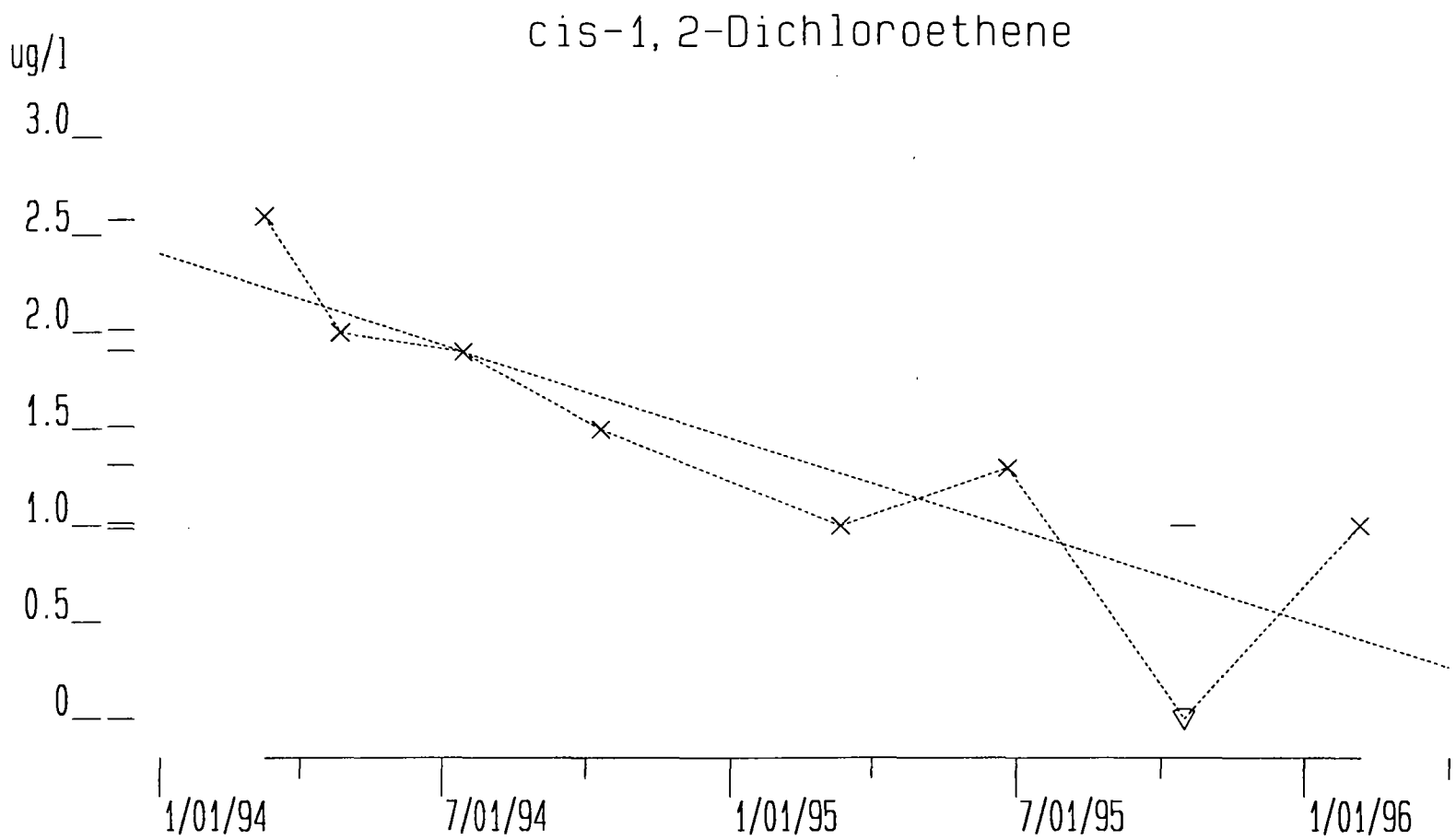
(15) (16) (17)

(C) DAMES & MOORE 1990-92

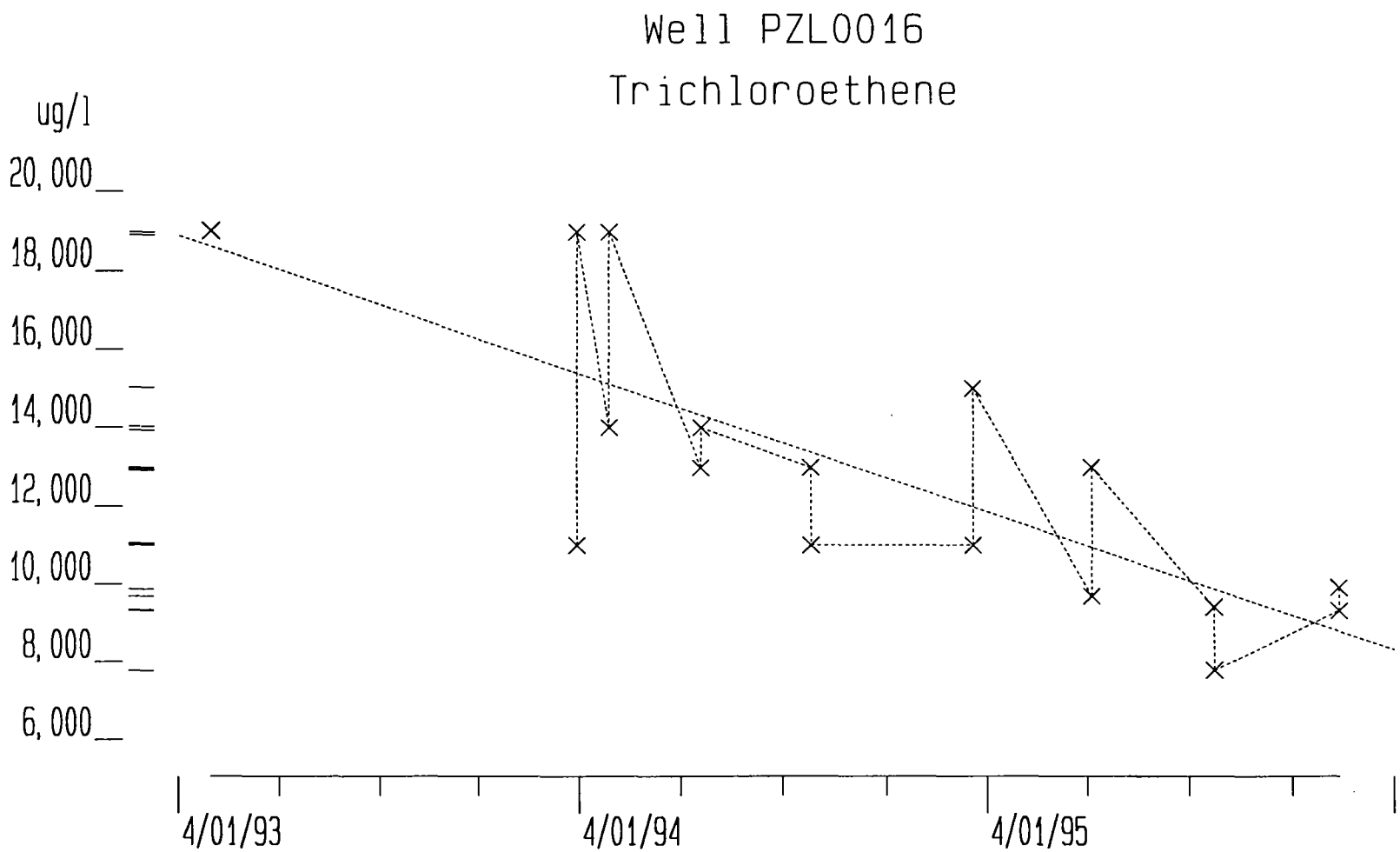
April 28, 1990

Trend Chart Key

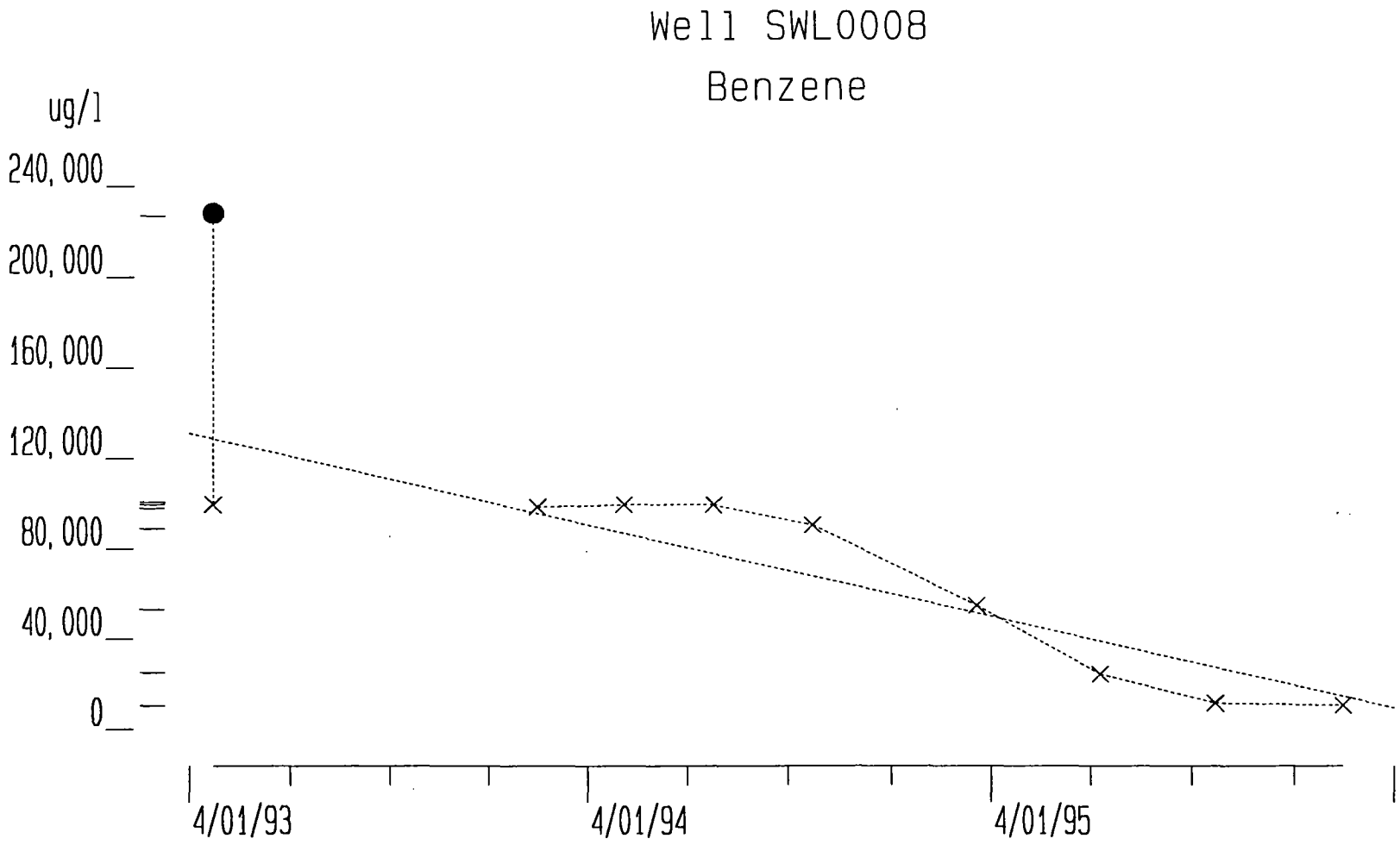
WATER TABLE MONITORING LOCATIONS



Slope of regression line is -0.9534 ug/l per year.



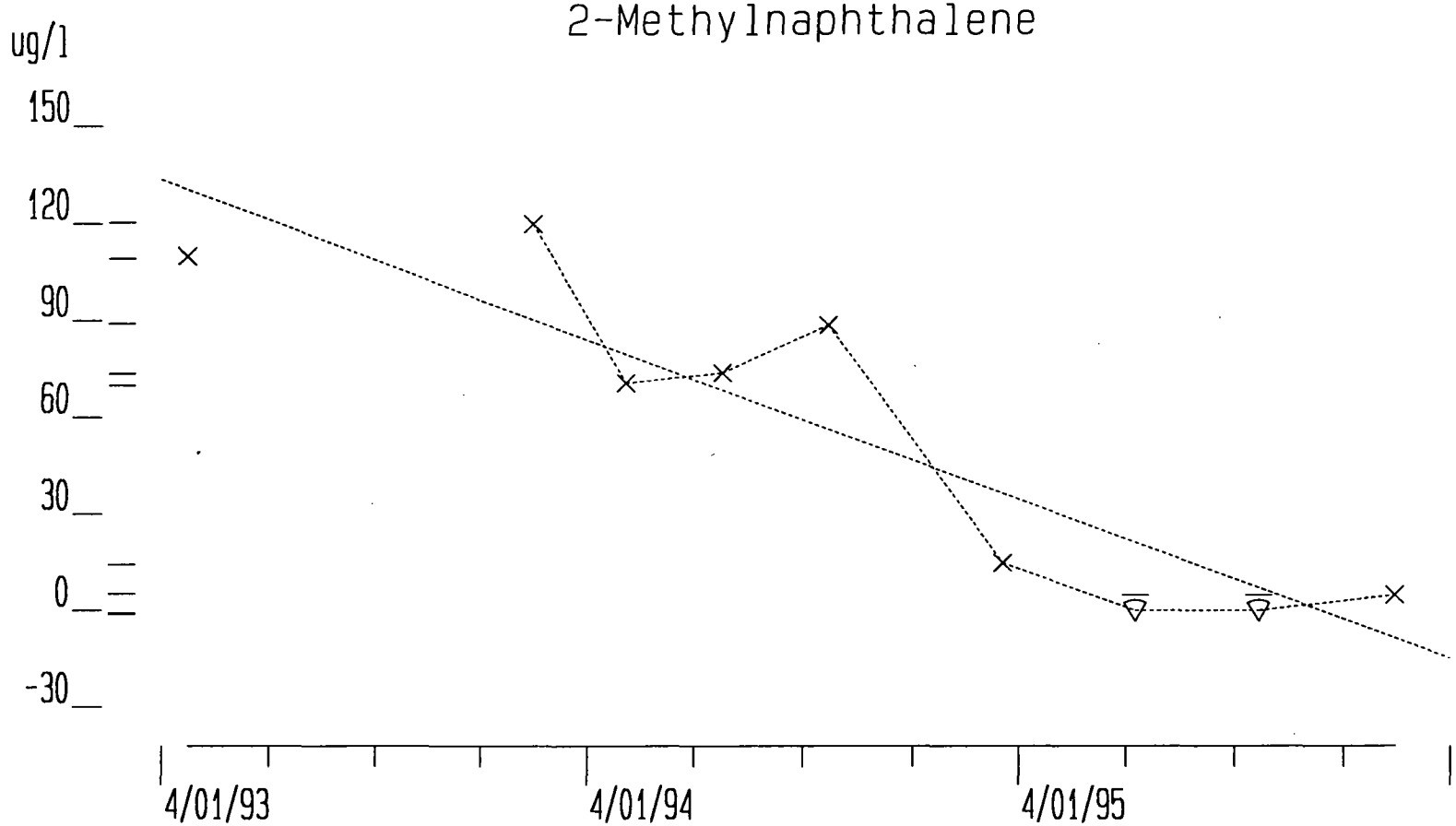
Slope of regression line is -3529.1276 ug/l per year.



Slope of regression line is -40483.7212 ug/l per year.

Well SWL0008

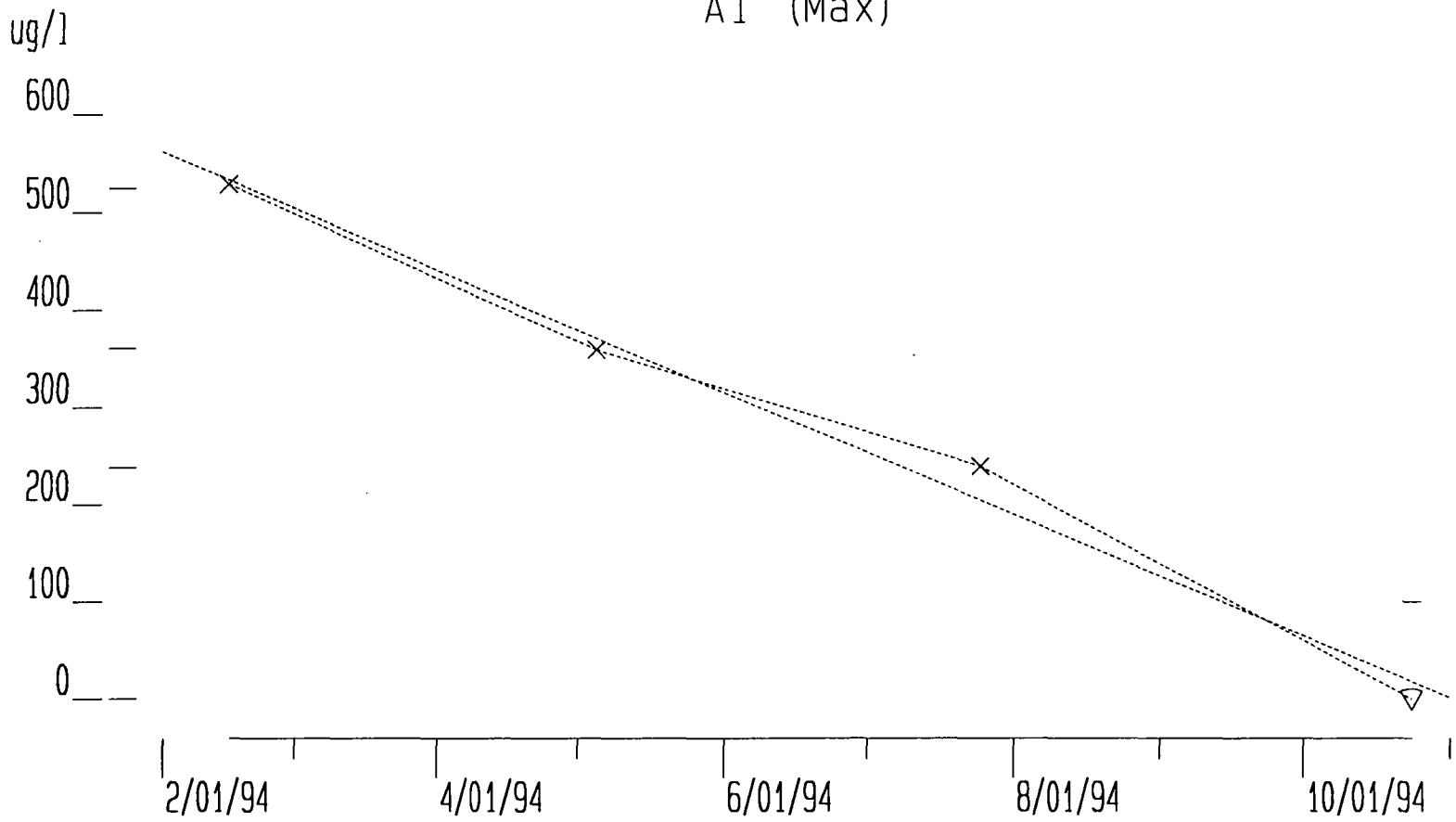
2-Methylnaphthalene



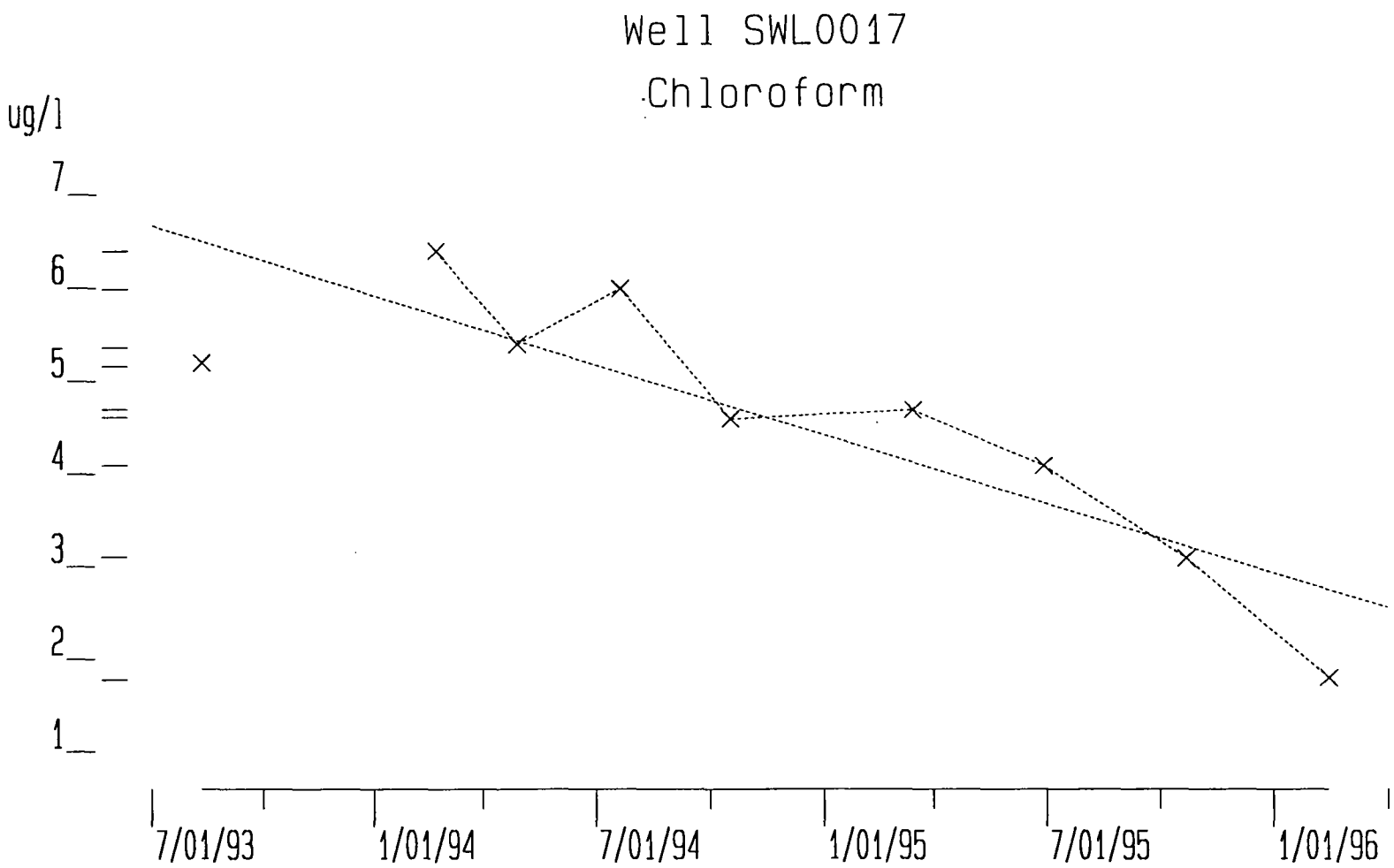
Slope of regression line is -49.4107 ug/l per year.

Well SWL0008

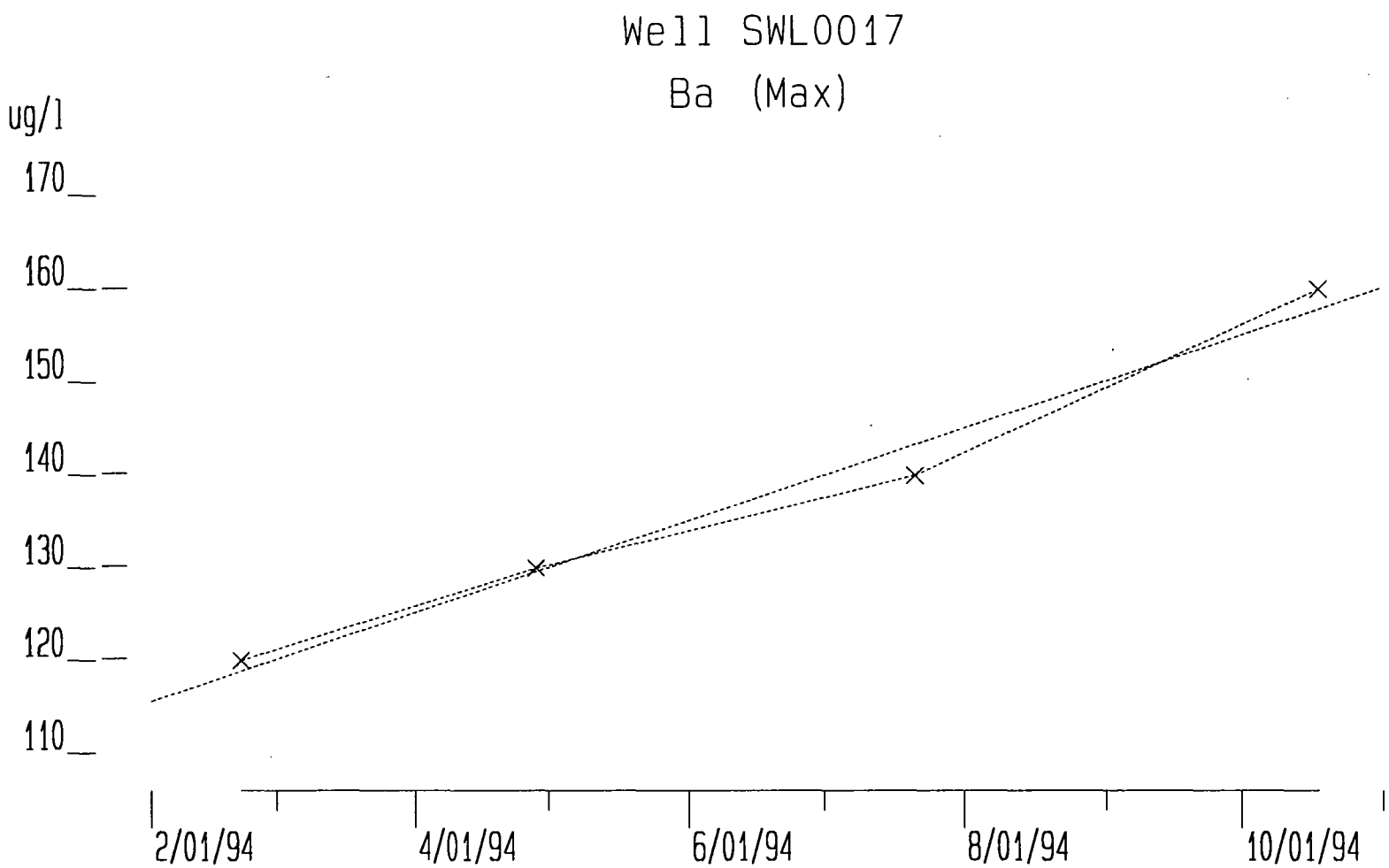
Al (Max)



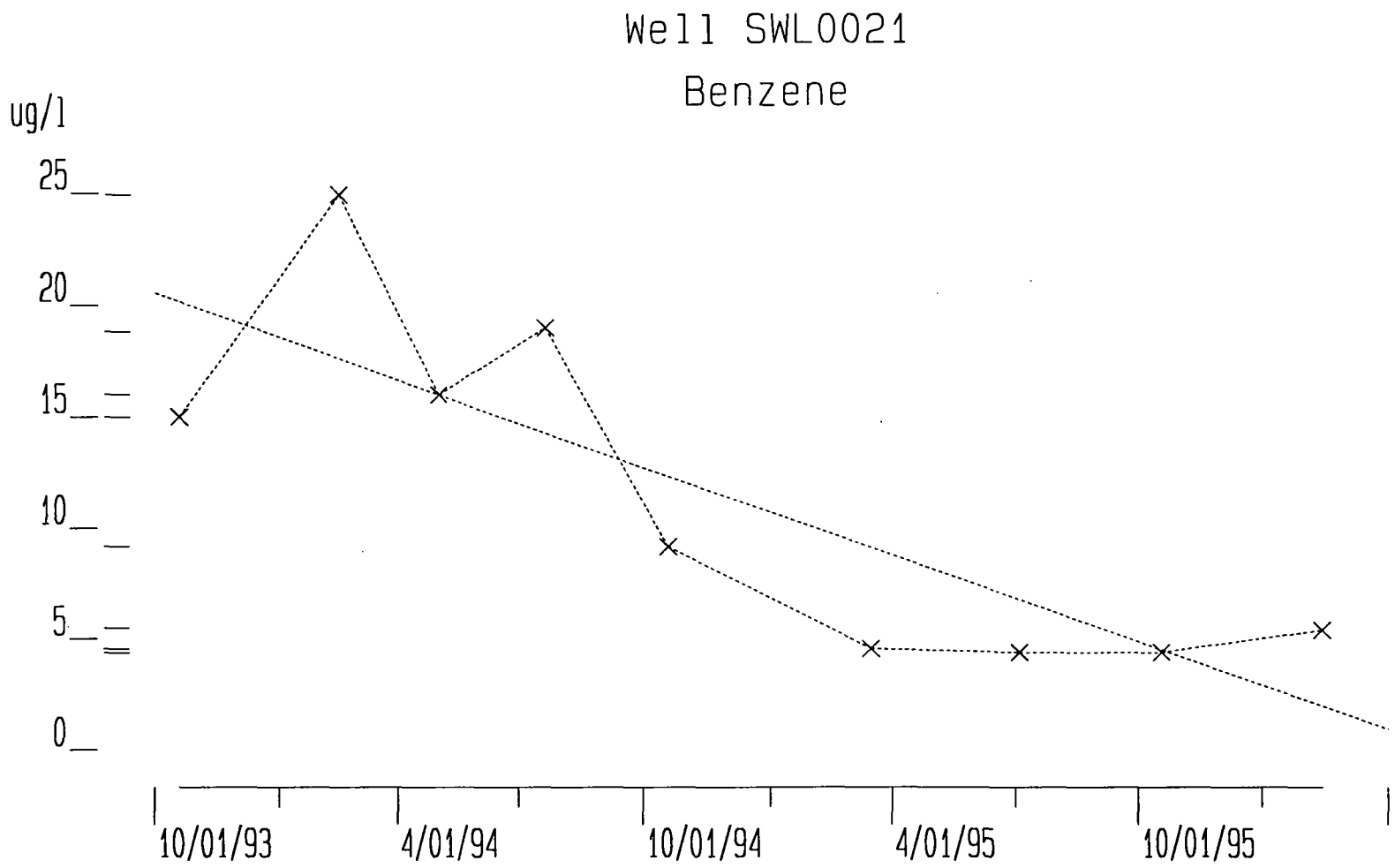
Slope of regression line is -750.9671 ug/l per year.



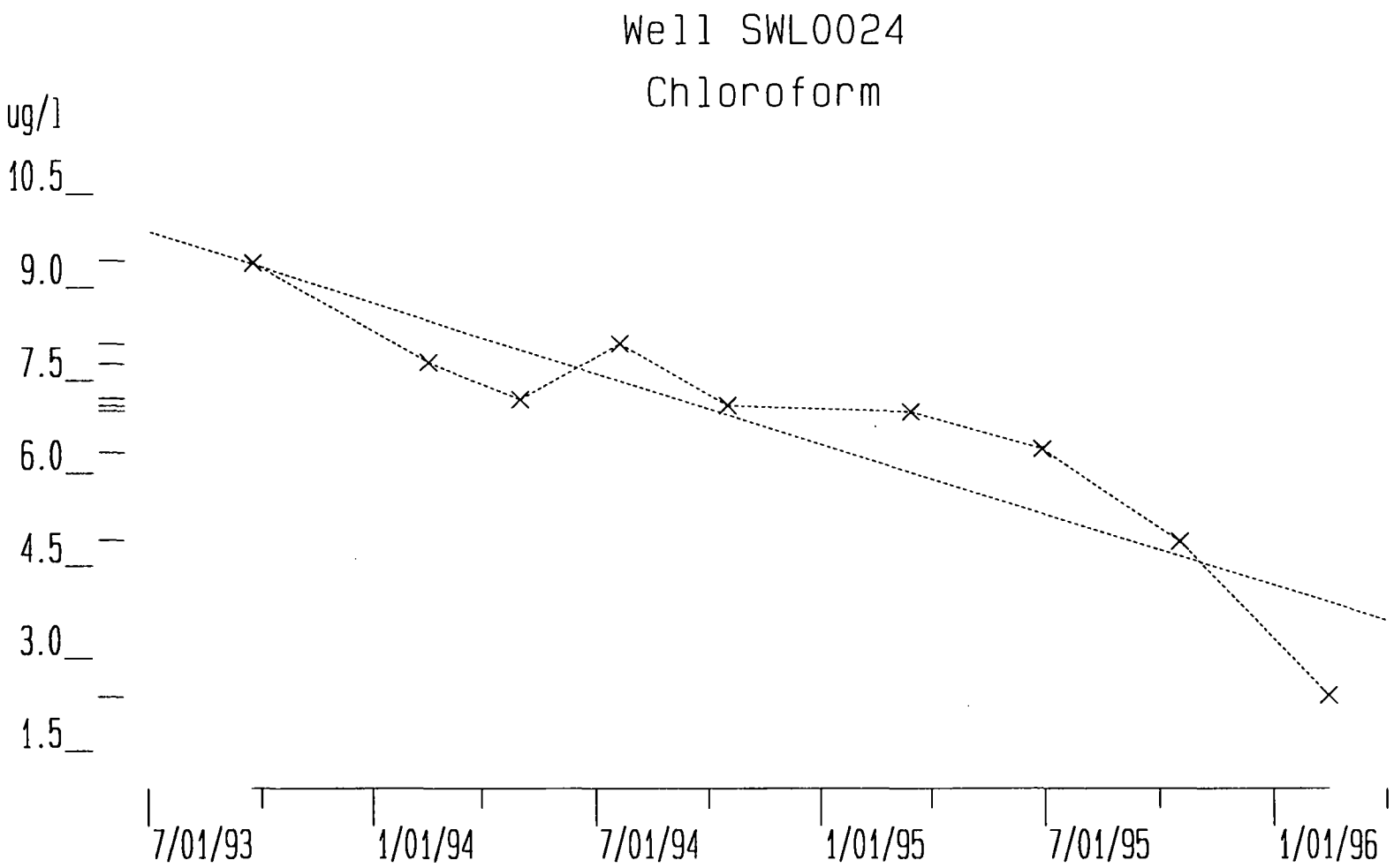
Slope of regression line is -1.4900 ug/l per year.



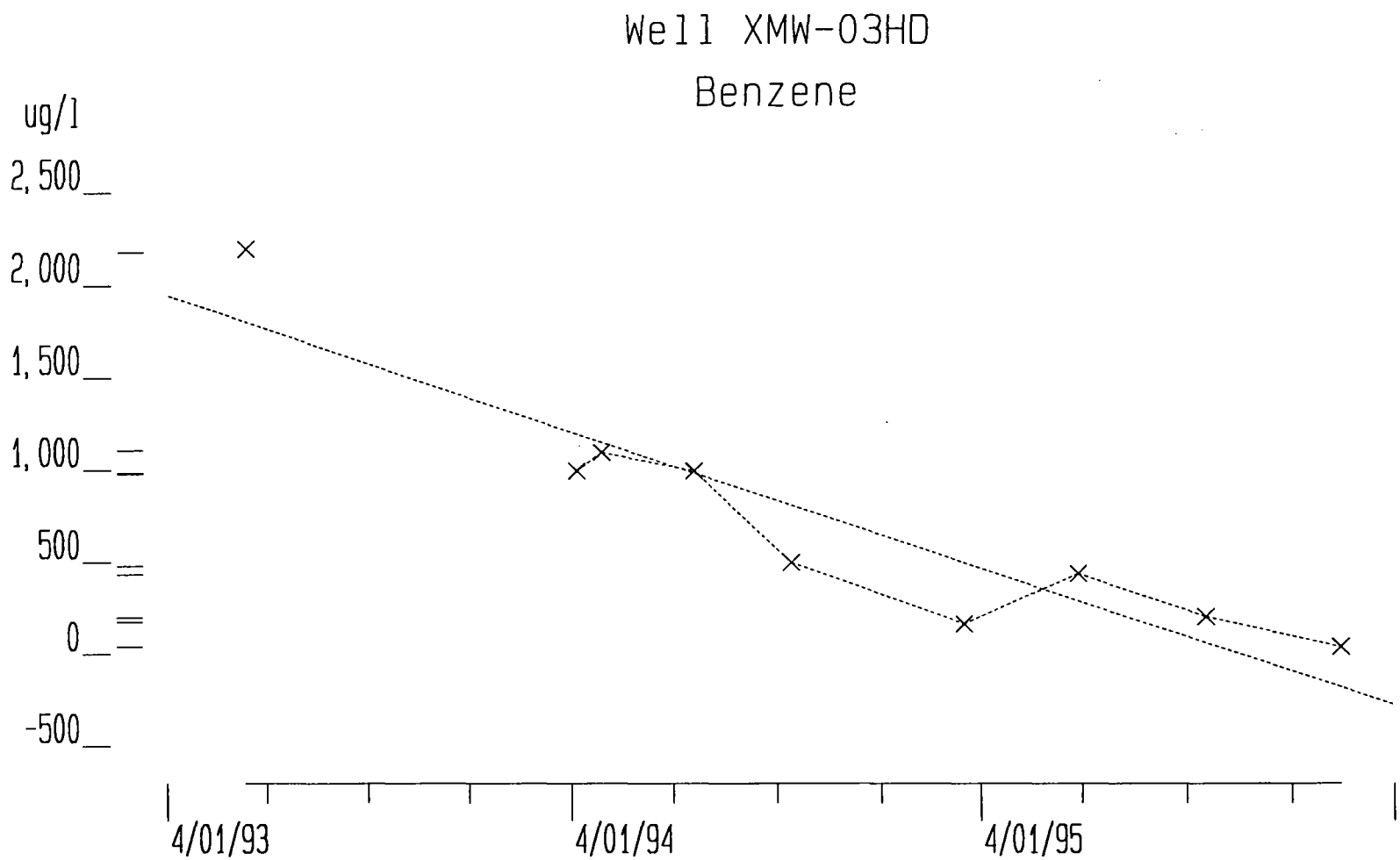
Slope of regression line is 59.5983 ug/l per year.



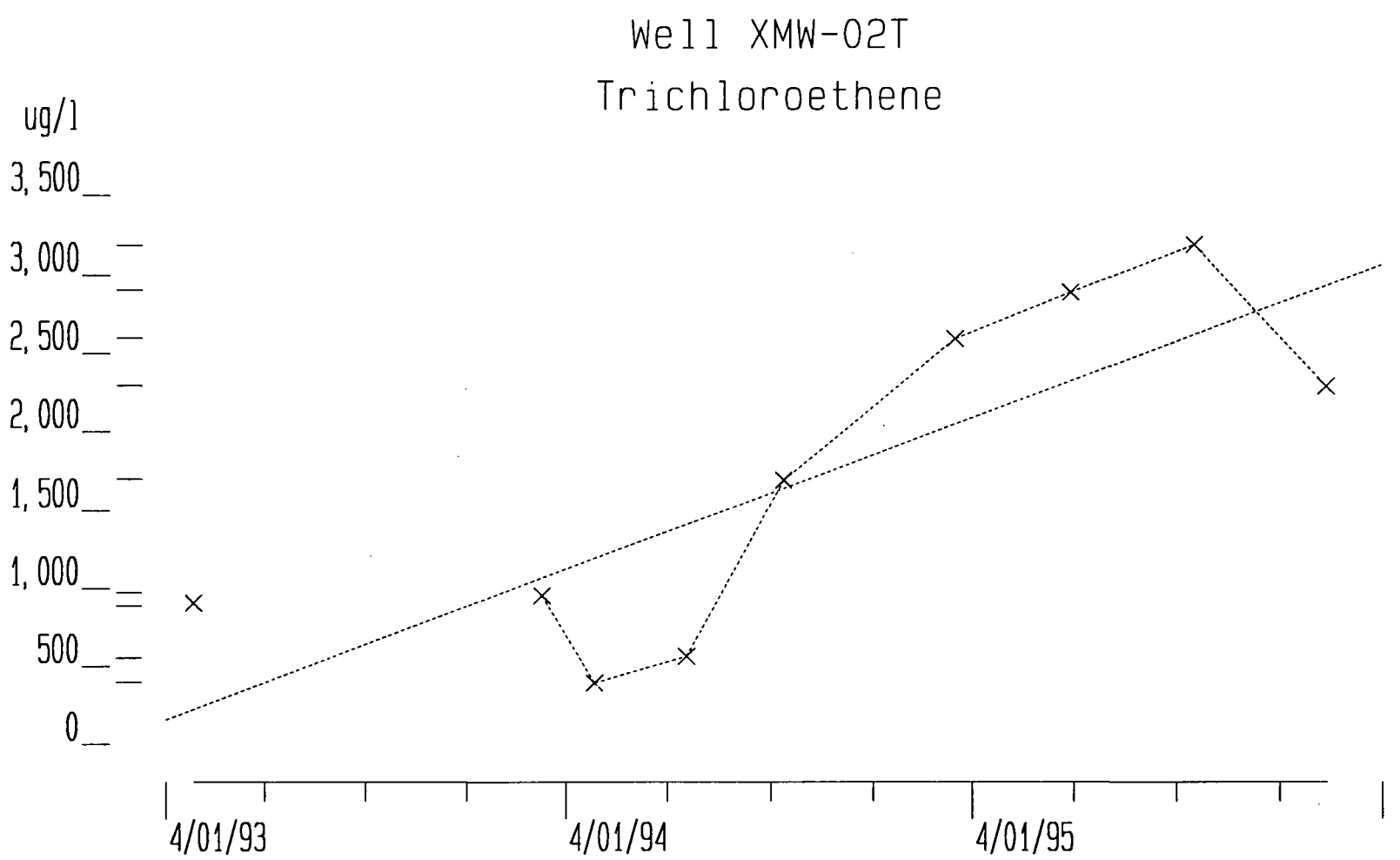
Slope of regression line is -7.8603 ug/l per year.



Slope of regression line is -2.2827 ug/l per year.



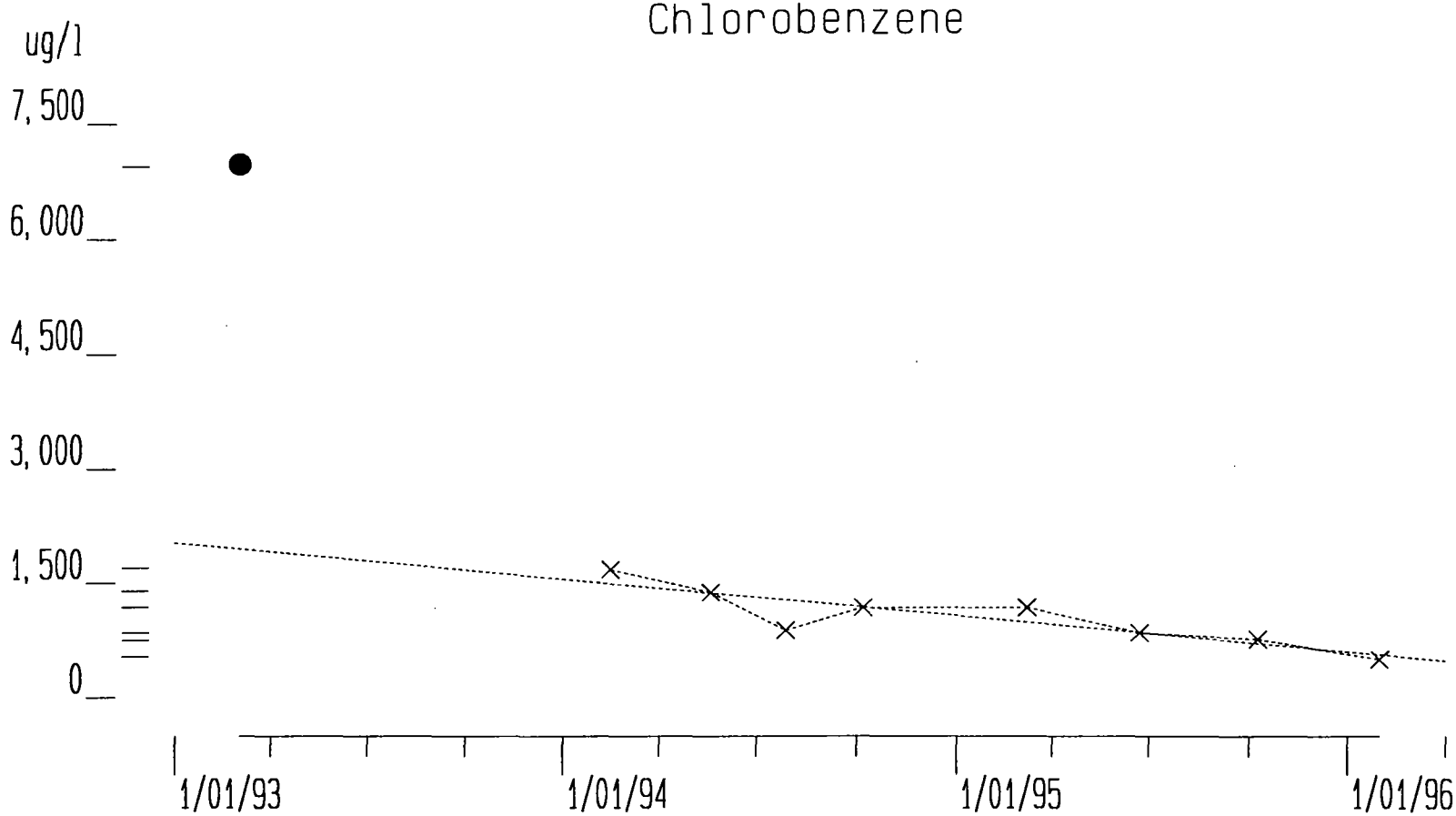
Slope of regression line is -739.6595 ug/l per year.



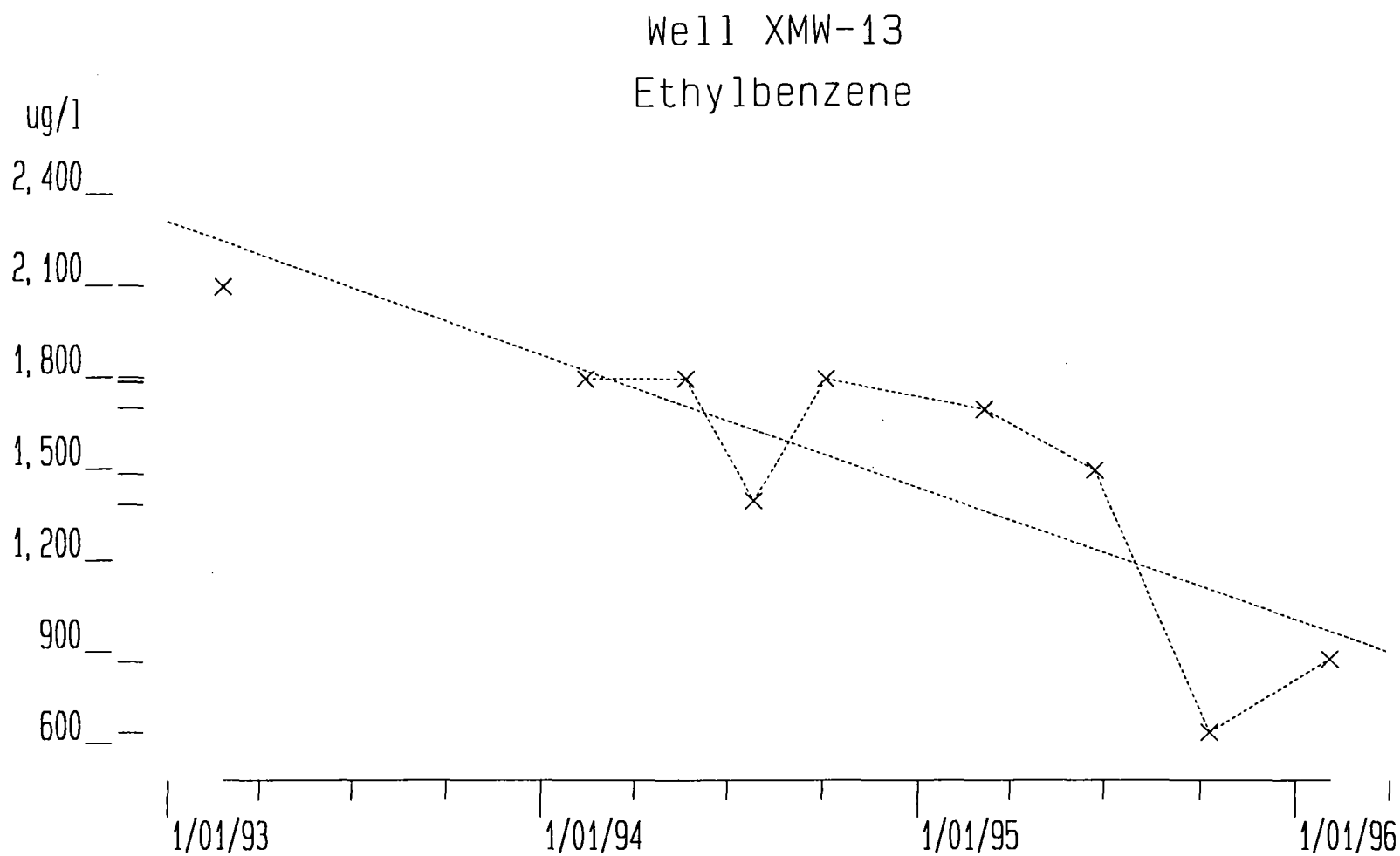
Slope of regression line is 968.0106 ug/l per year.

Well XMW-11

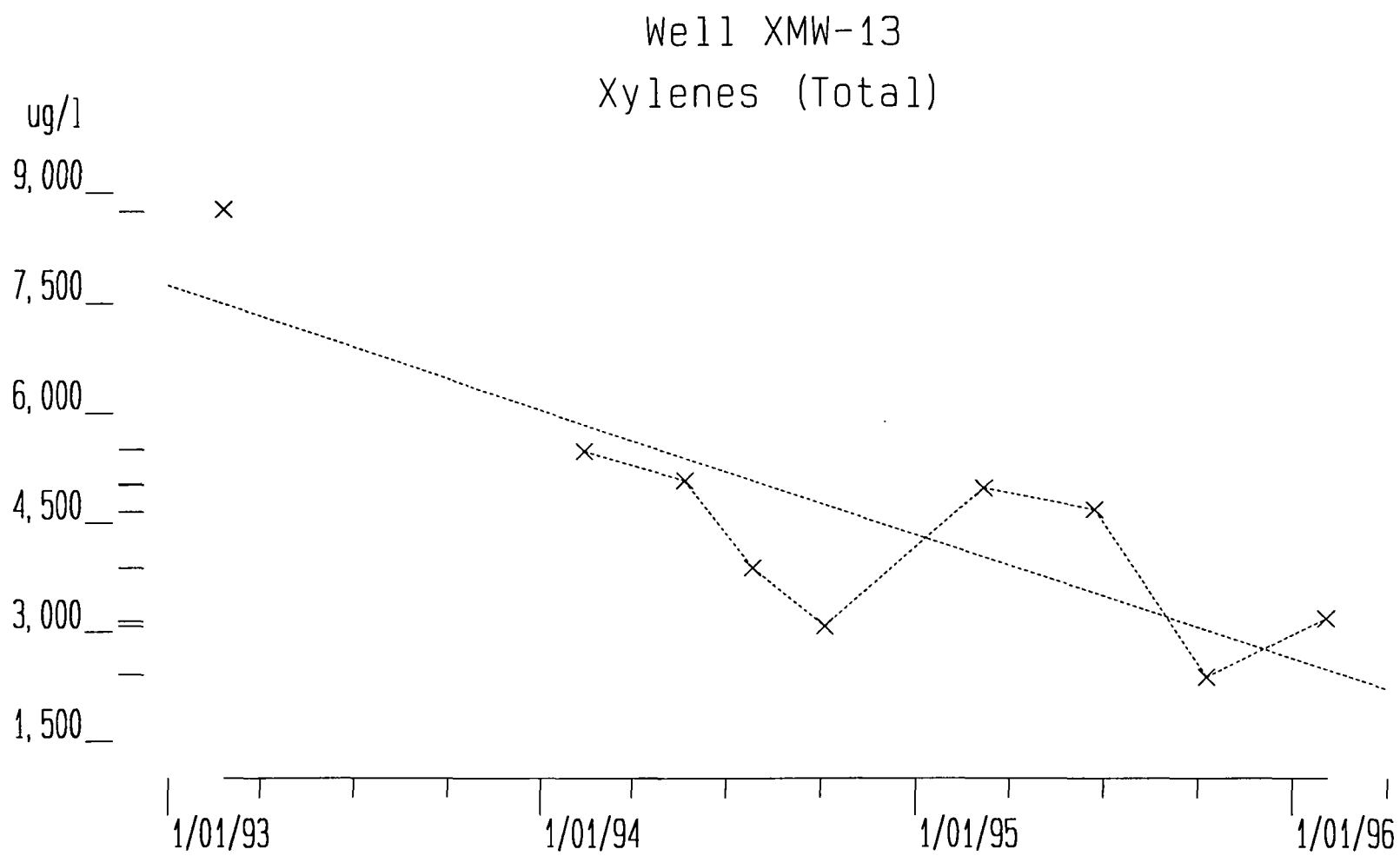
Chlorobenzene



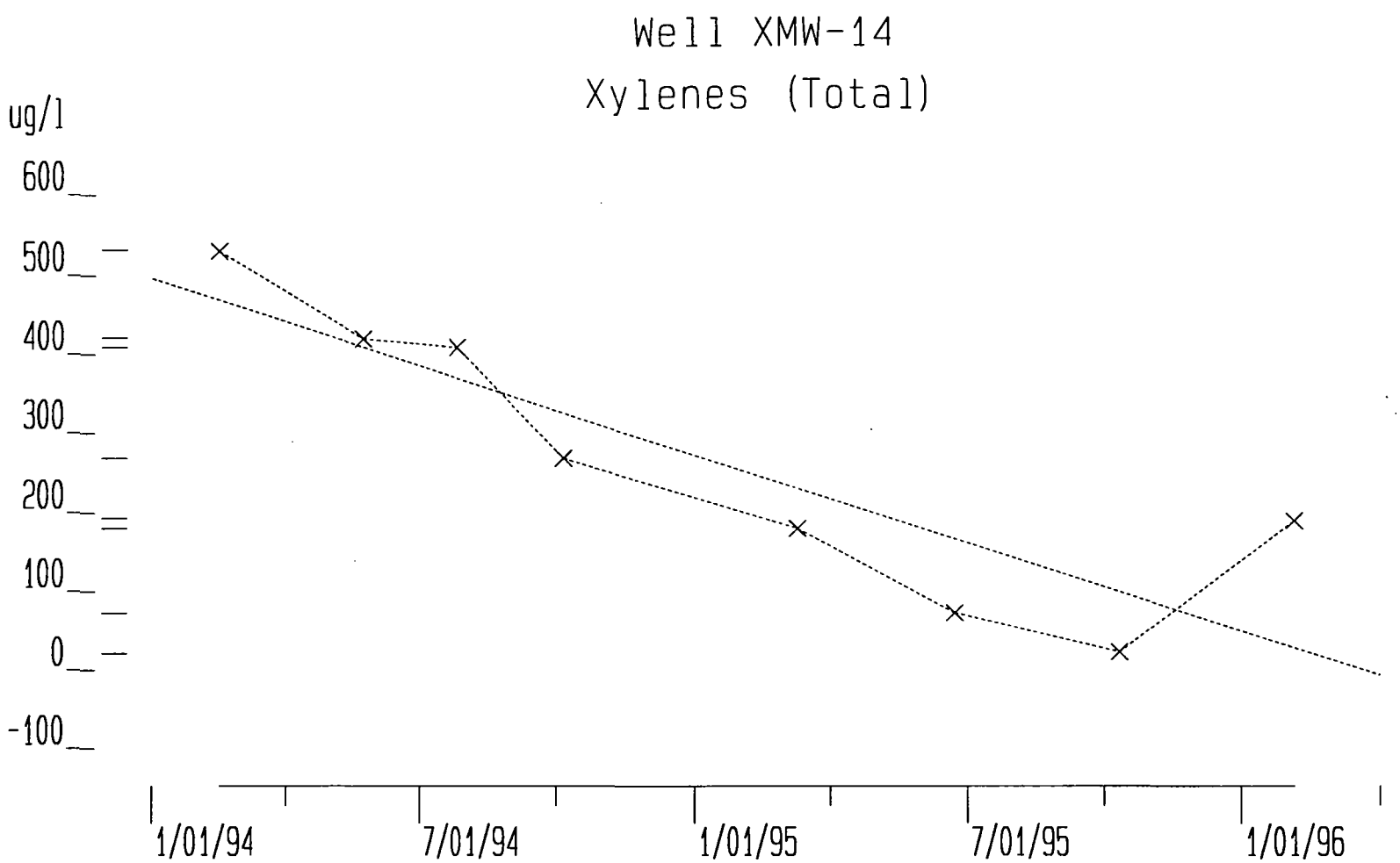
Slope of regression line is -476.7145 ug/l per year.



Slope of regression line is -433.7057 ug/l per year.



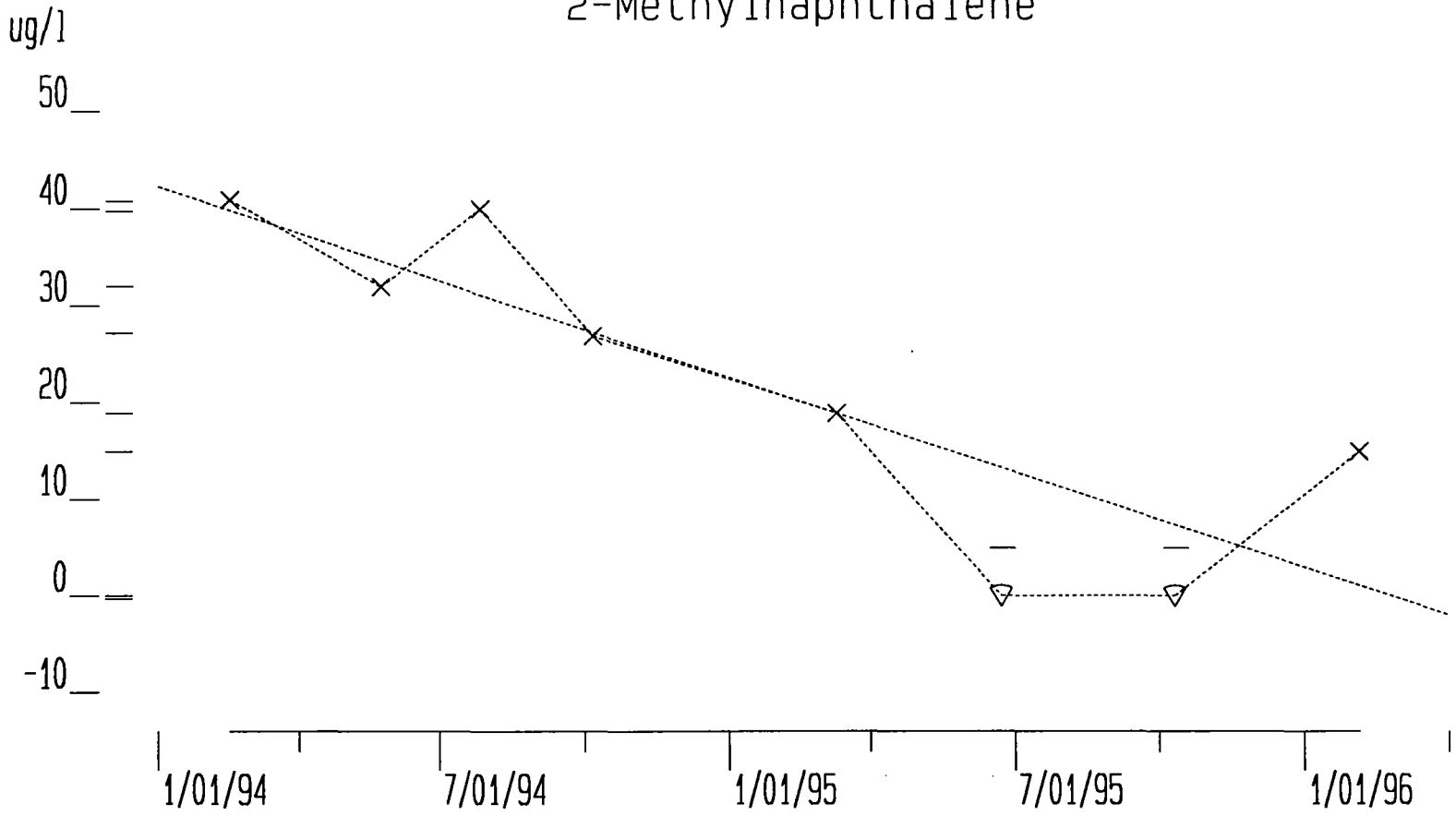
Slope of regression line is -1701.5755 ug/l per year.



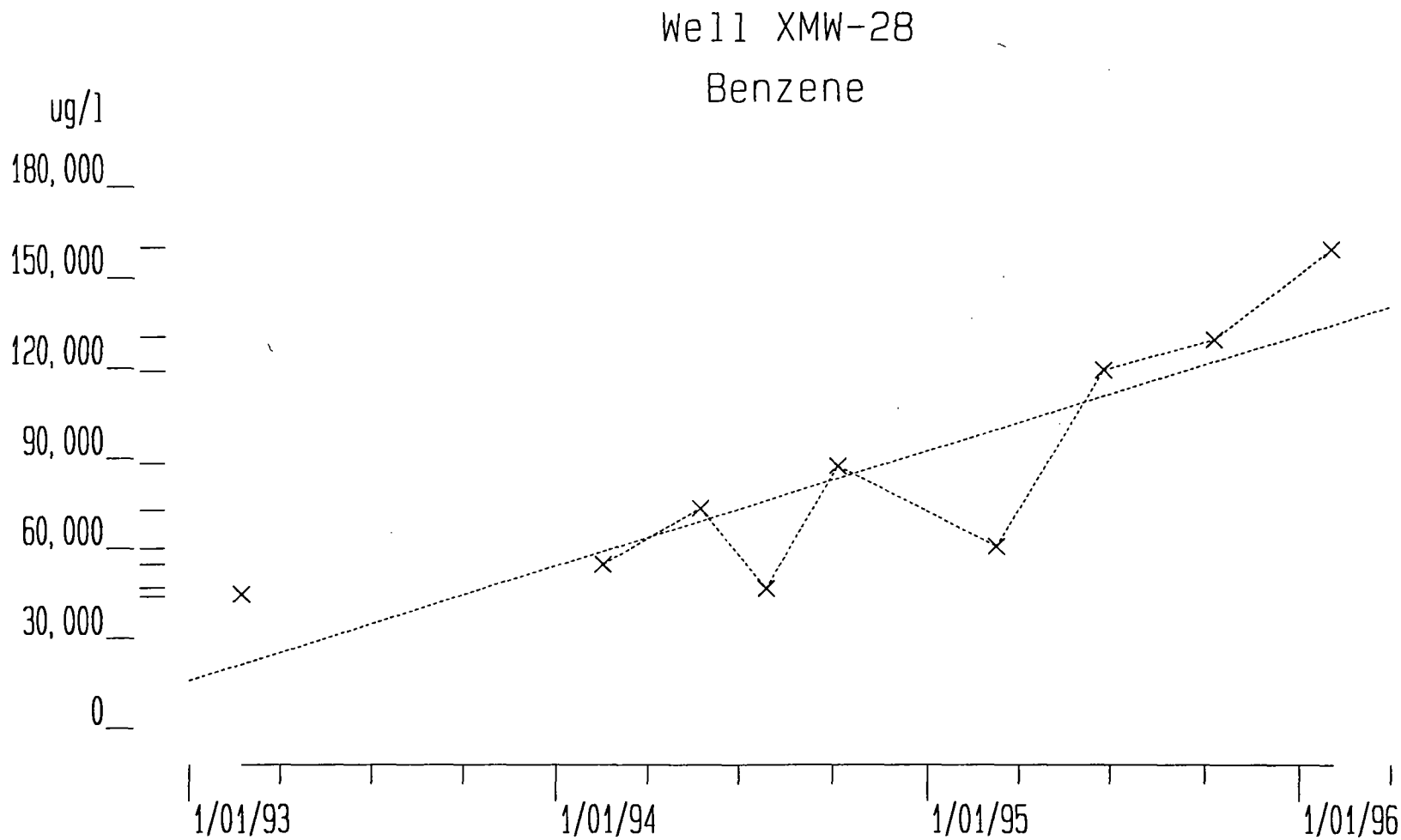
Slope of regression line is -223.4922 ug/l per year.

Well XMW-14

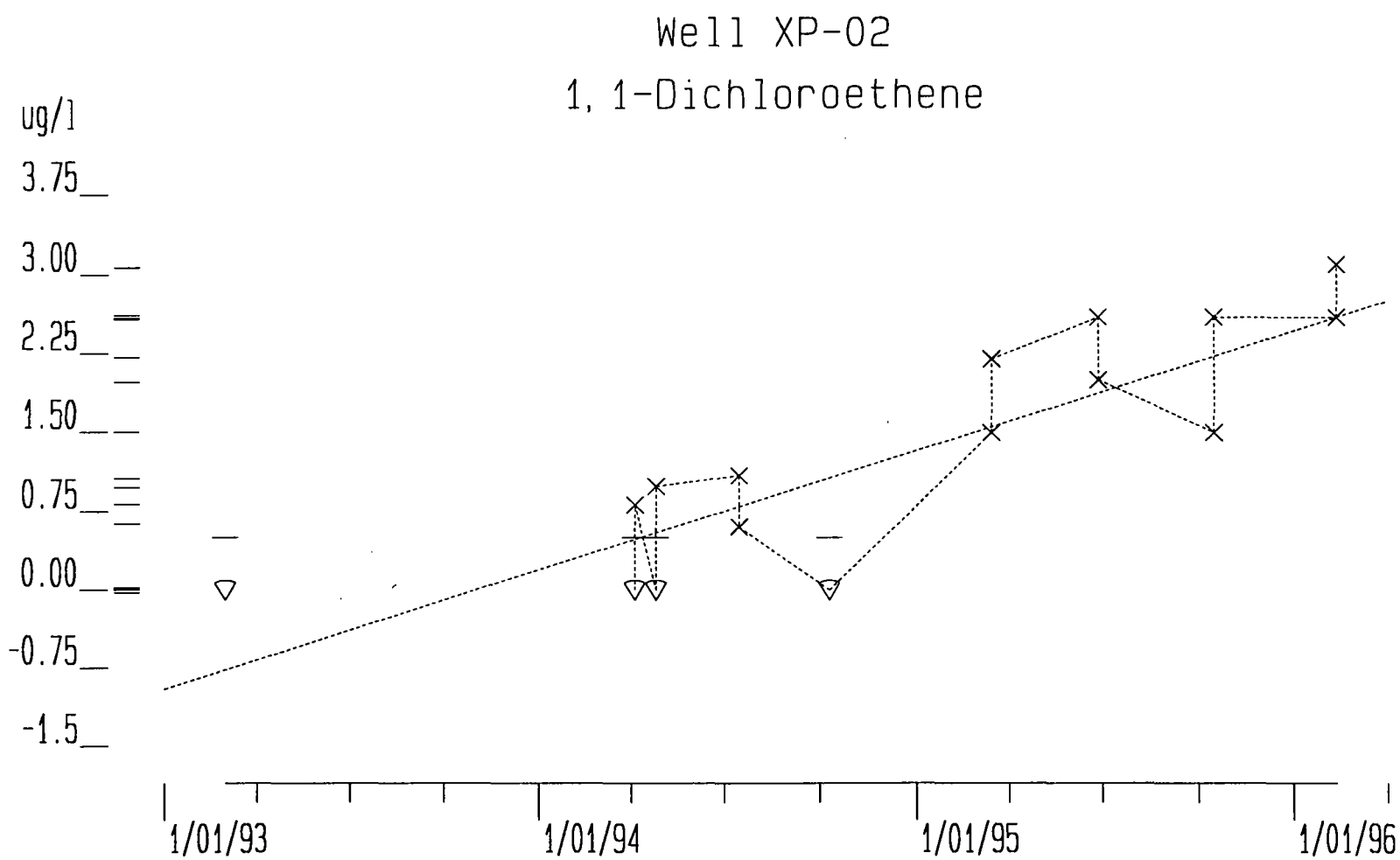
2-Methylnaphthalene



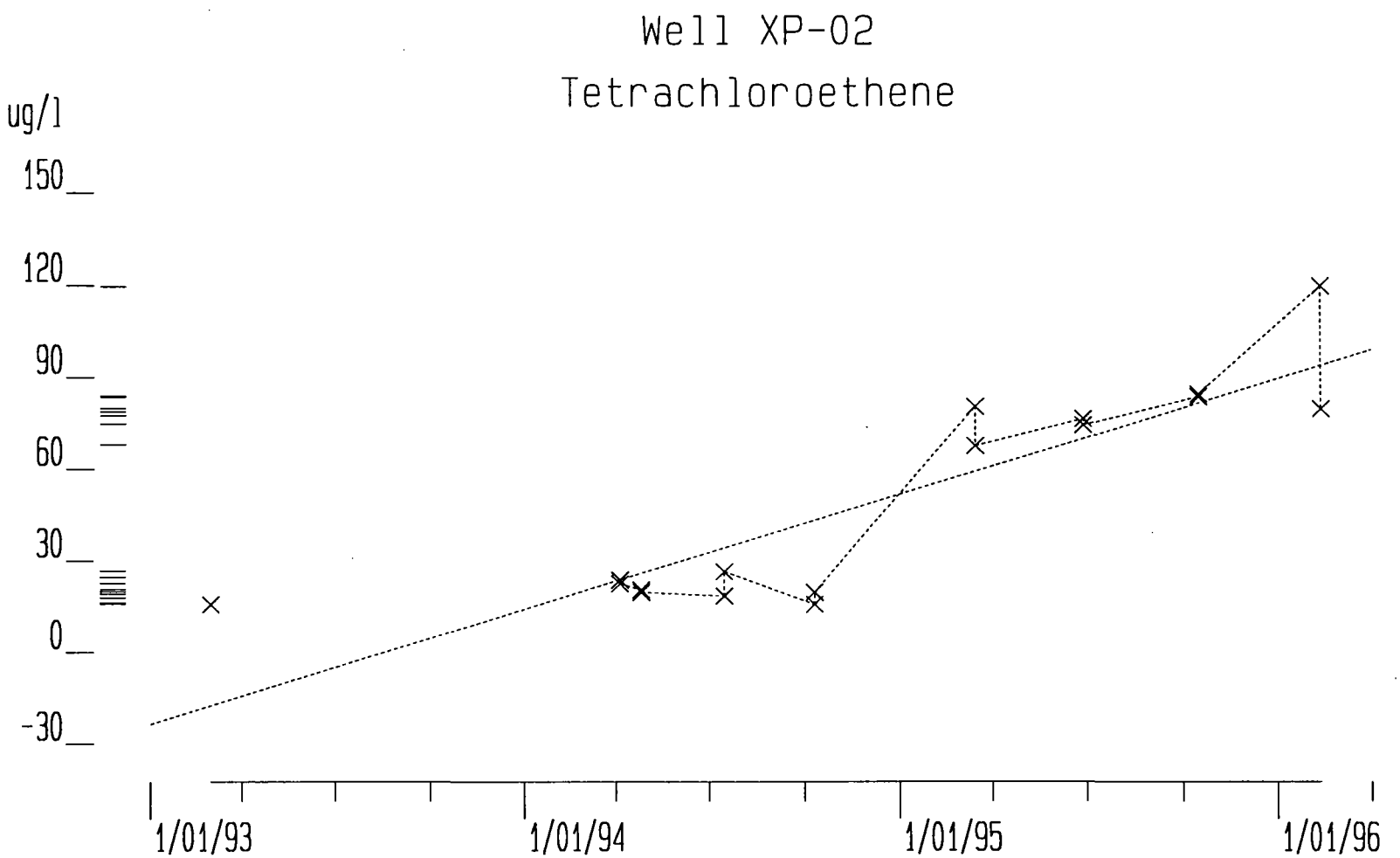
Slope of regression line is -19.6543 ug/l per year.



Slope of regression line is 38305.7146 ug/l per year.

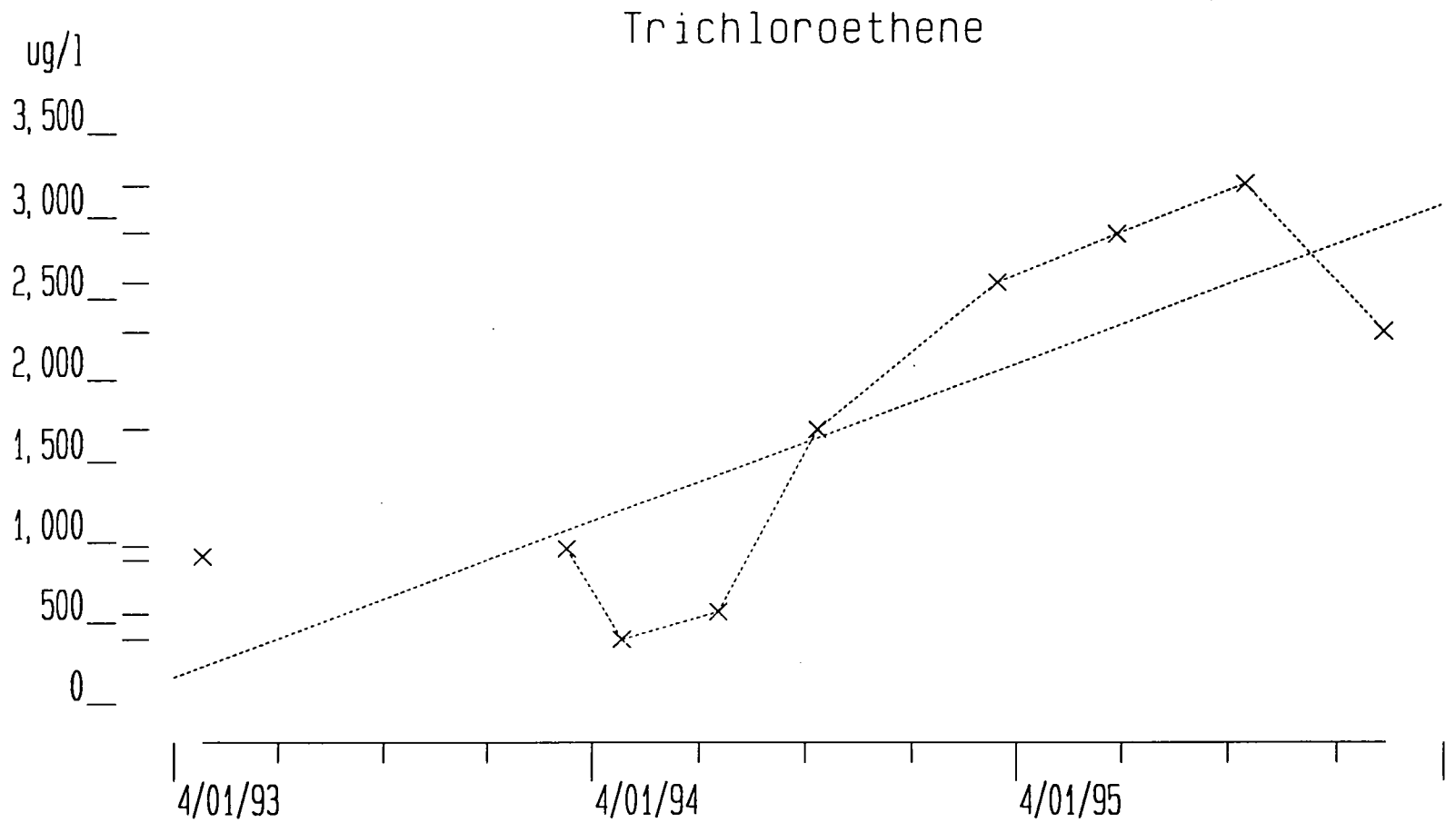


Slope of regression line is 1.1408 ug/l per year.

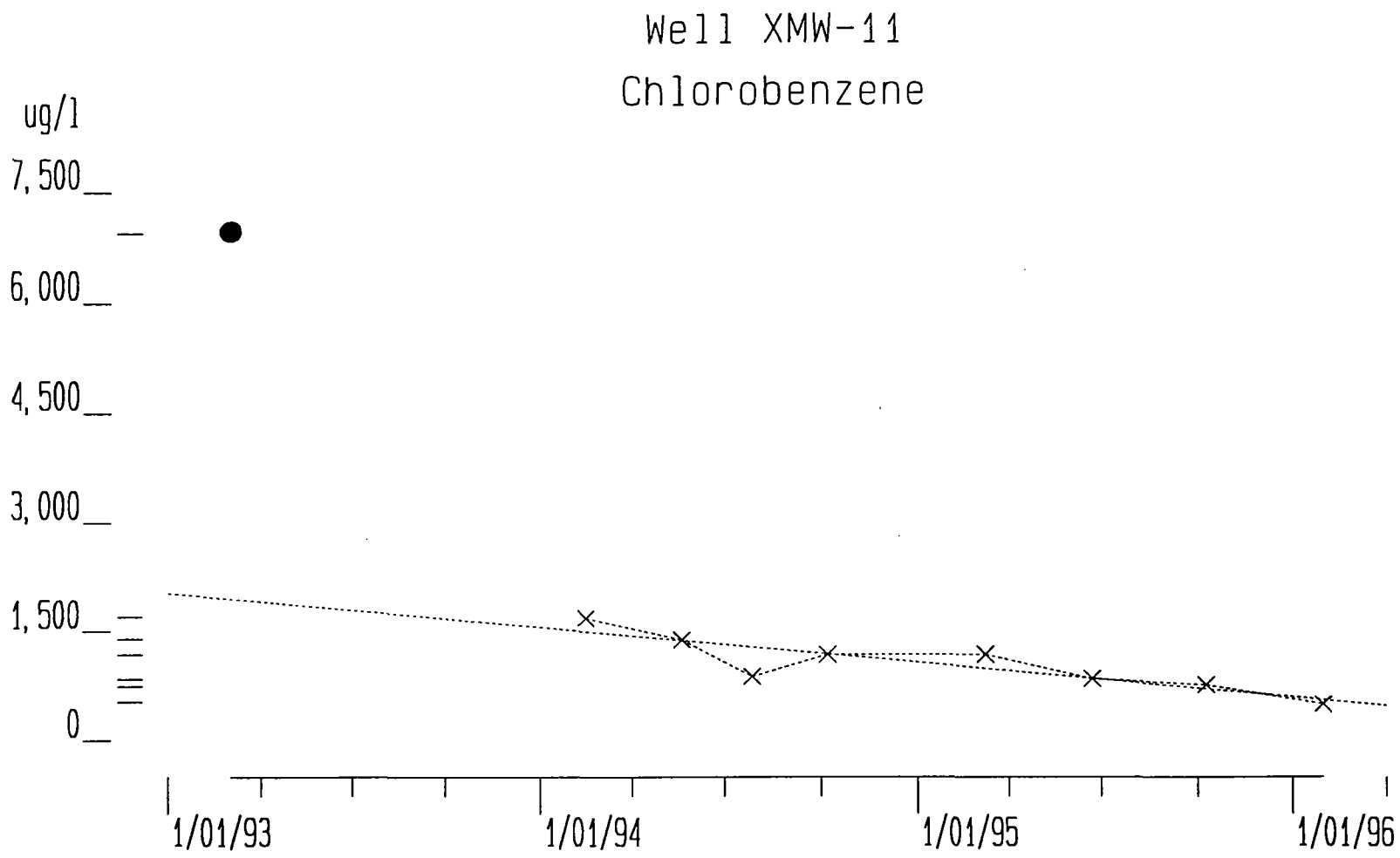


Slope of regression line is 37.5852 ug/l per year.

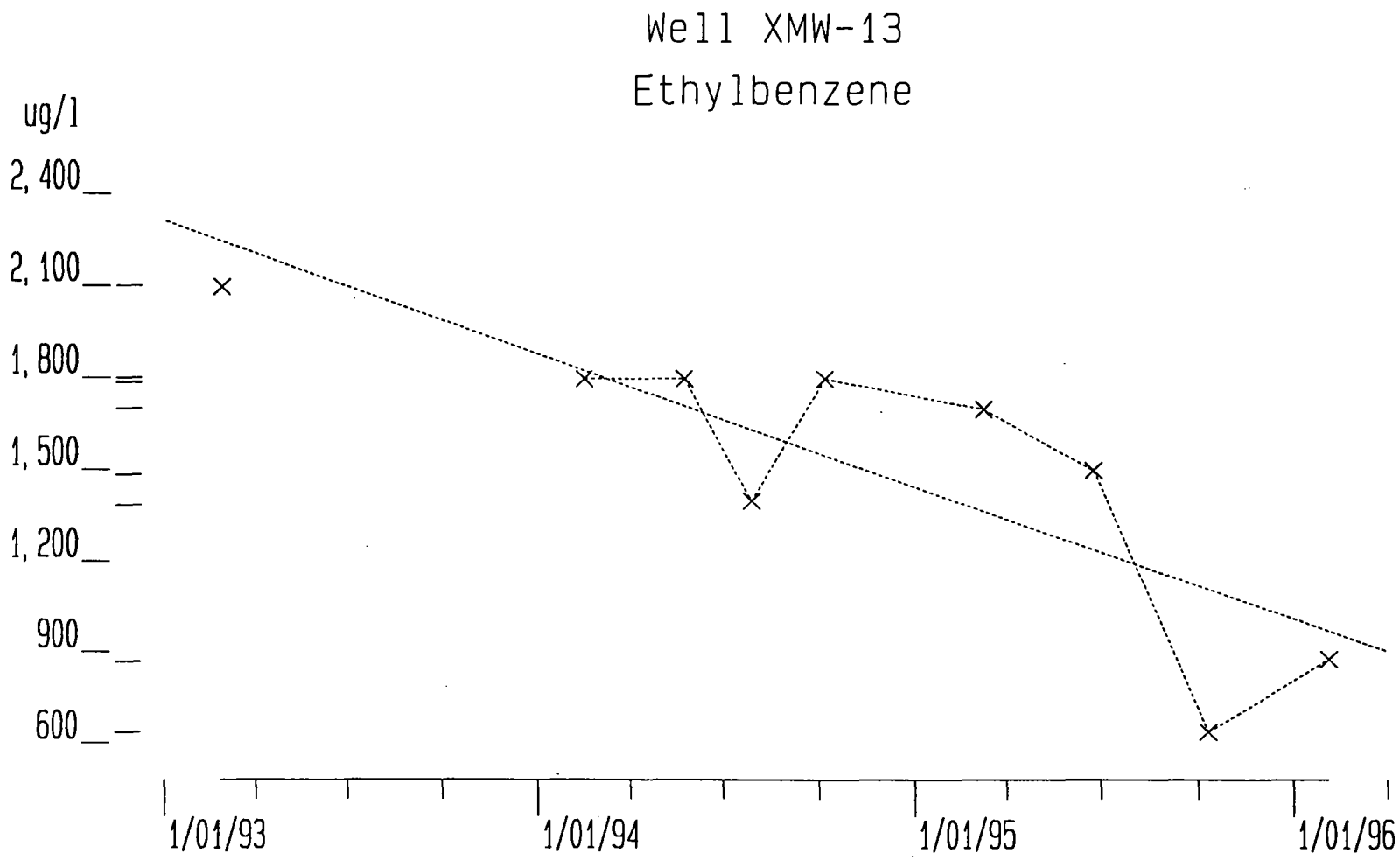
MIDDLE BELLFLOWER B SAND MONITORING LOCATIONS



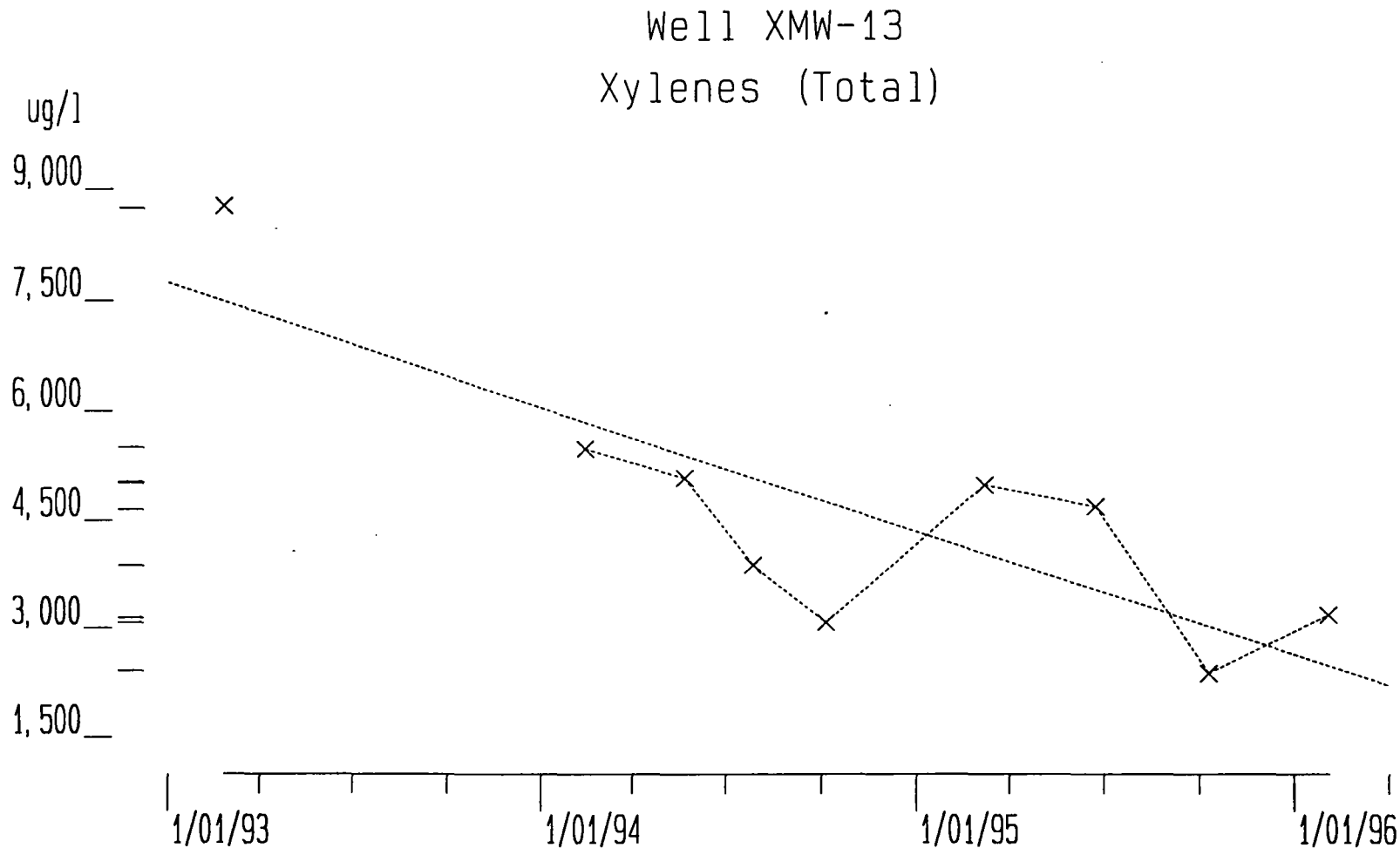
Slope of regression line is 968.0106 ug/l per year.



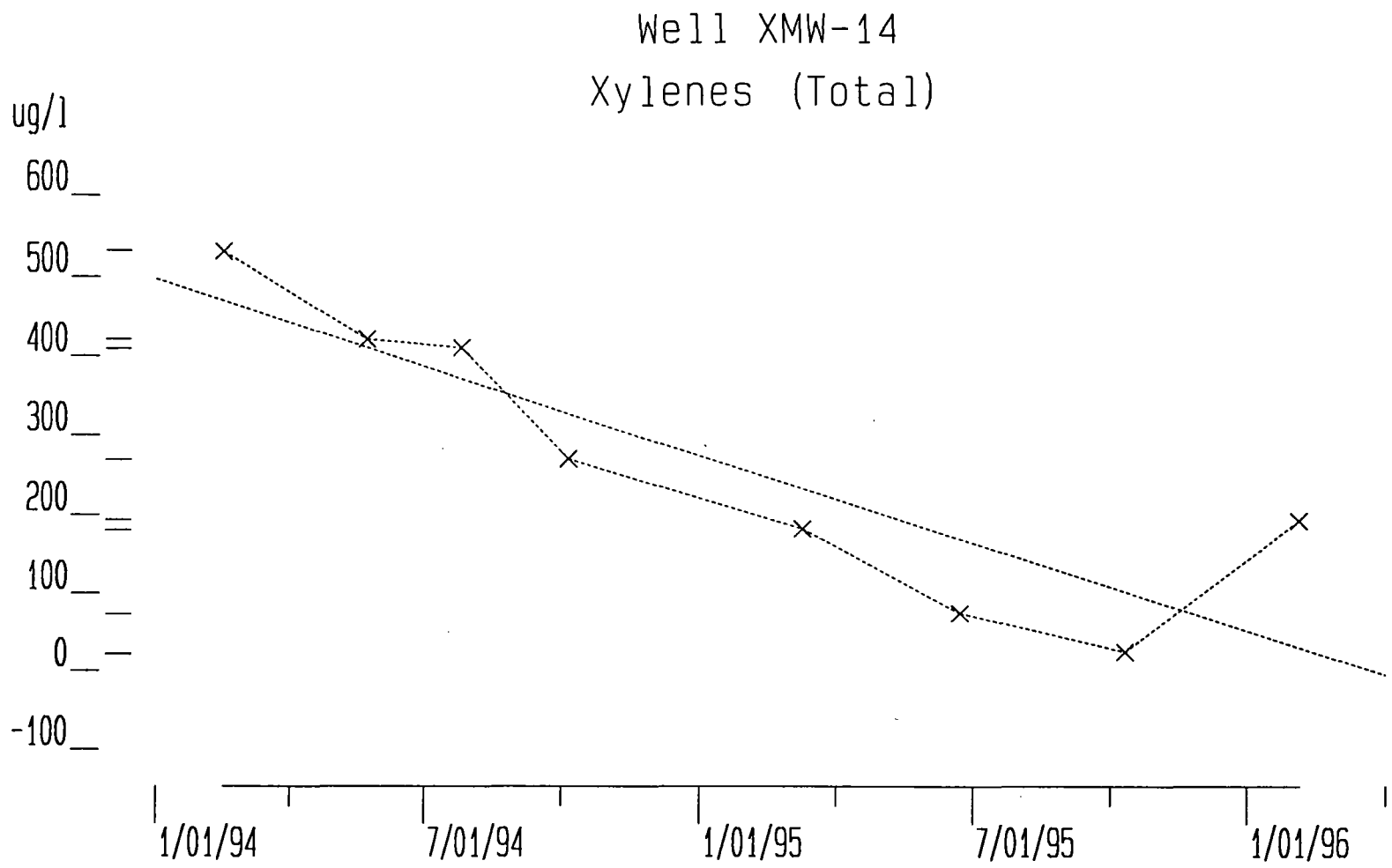
Slope of regression line is -476.7145 ug/l per year.



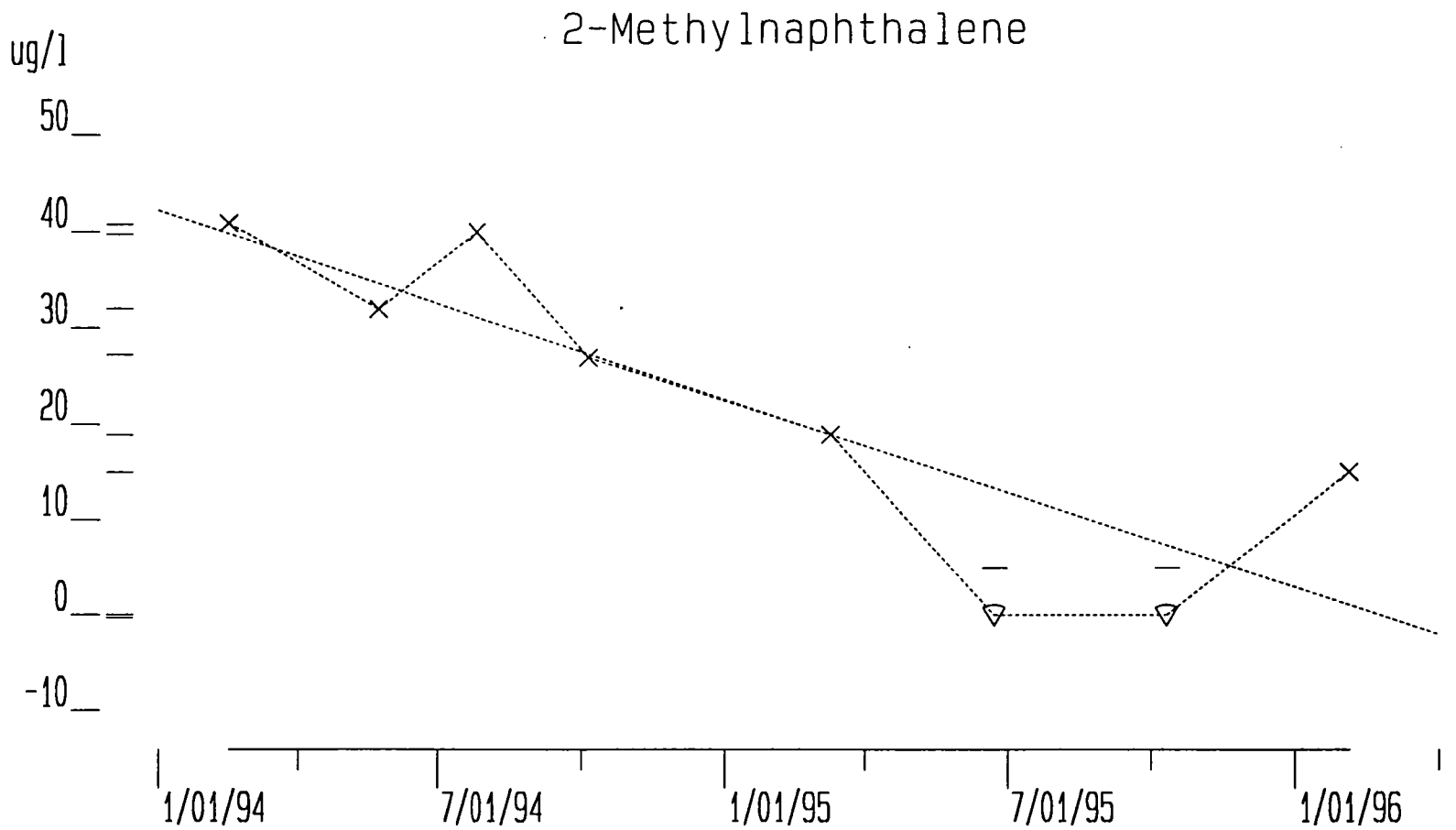
Slope of regression line is -433.7057 ug/l per year.



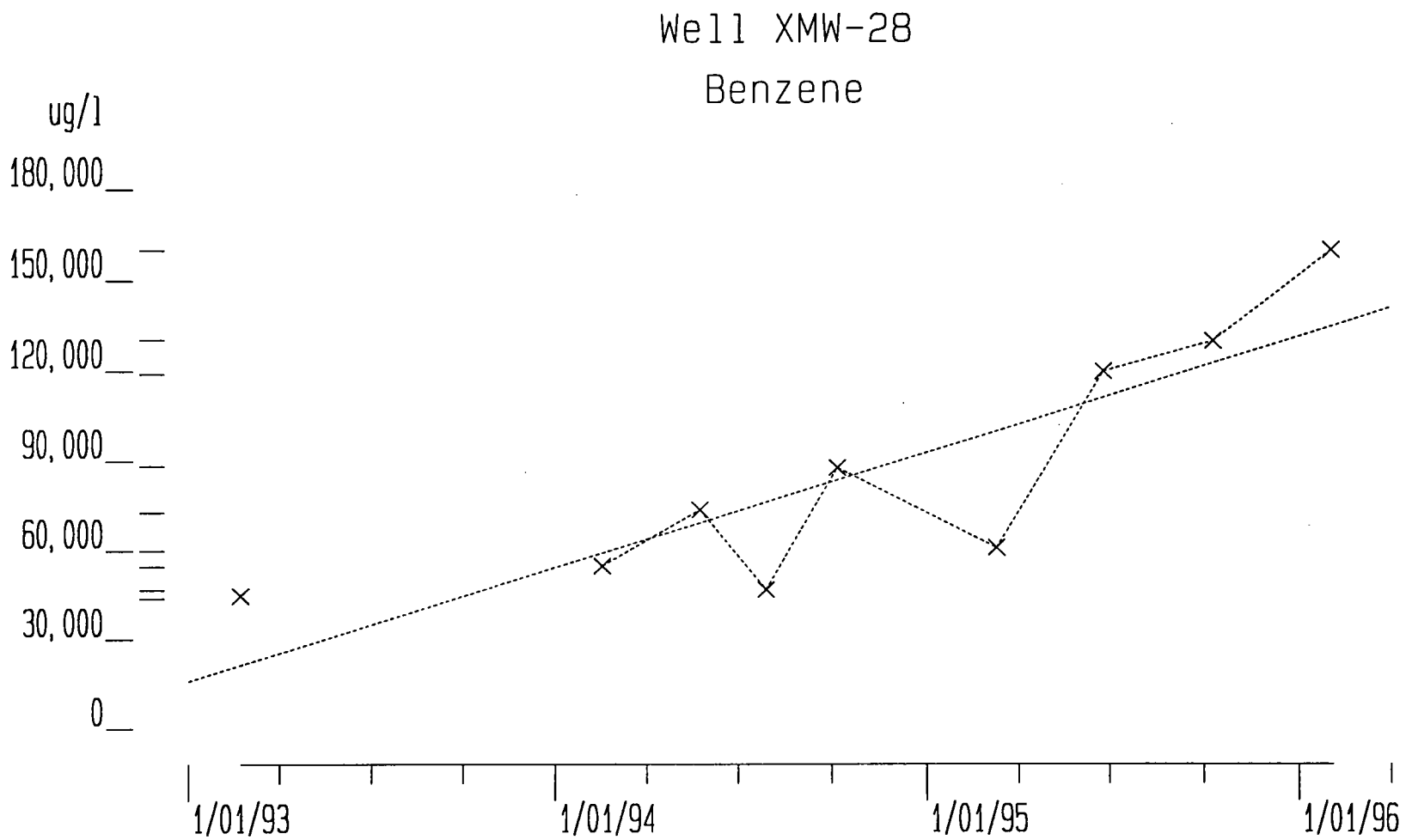
Slope of regression line is -1701.5755 ug/l per year.



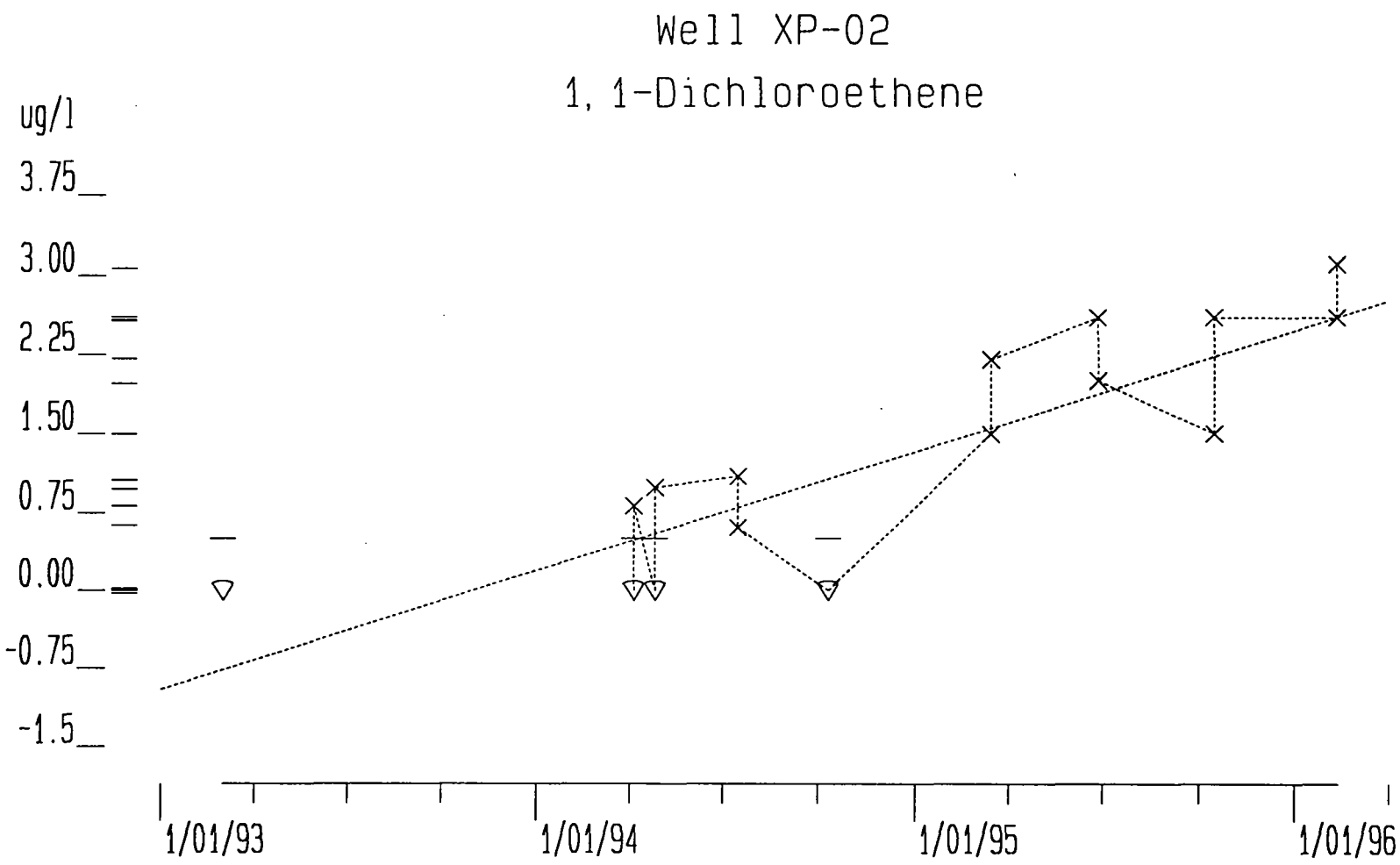
Slope of regression line is -223.4922 ug/l per year.



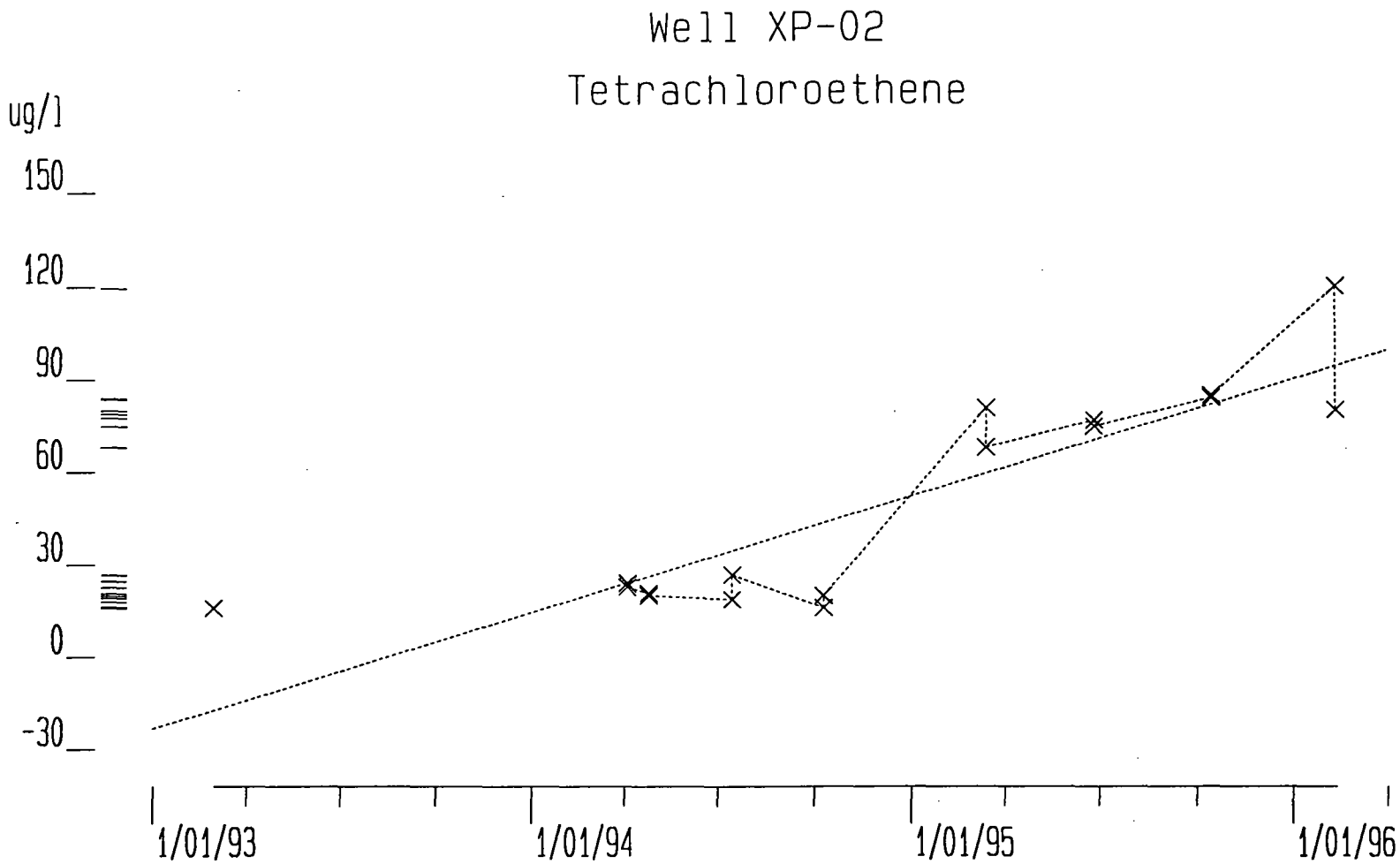
Slope of regression line is -19.6543 ug/l per year.



Slope of regression line is 38305.7146 ug/l per year.

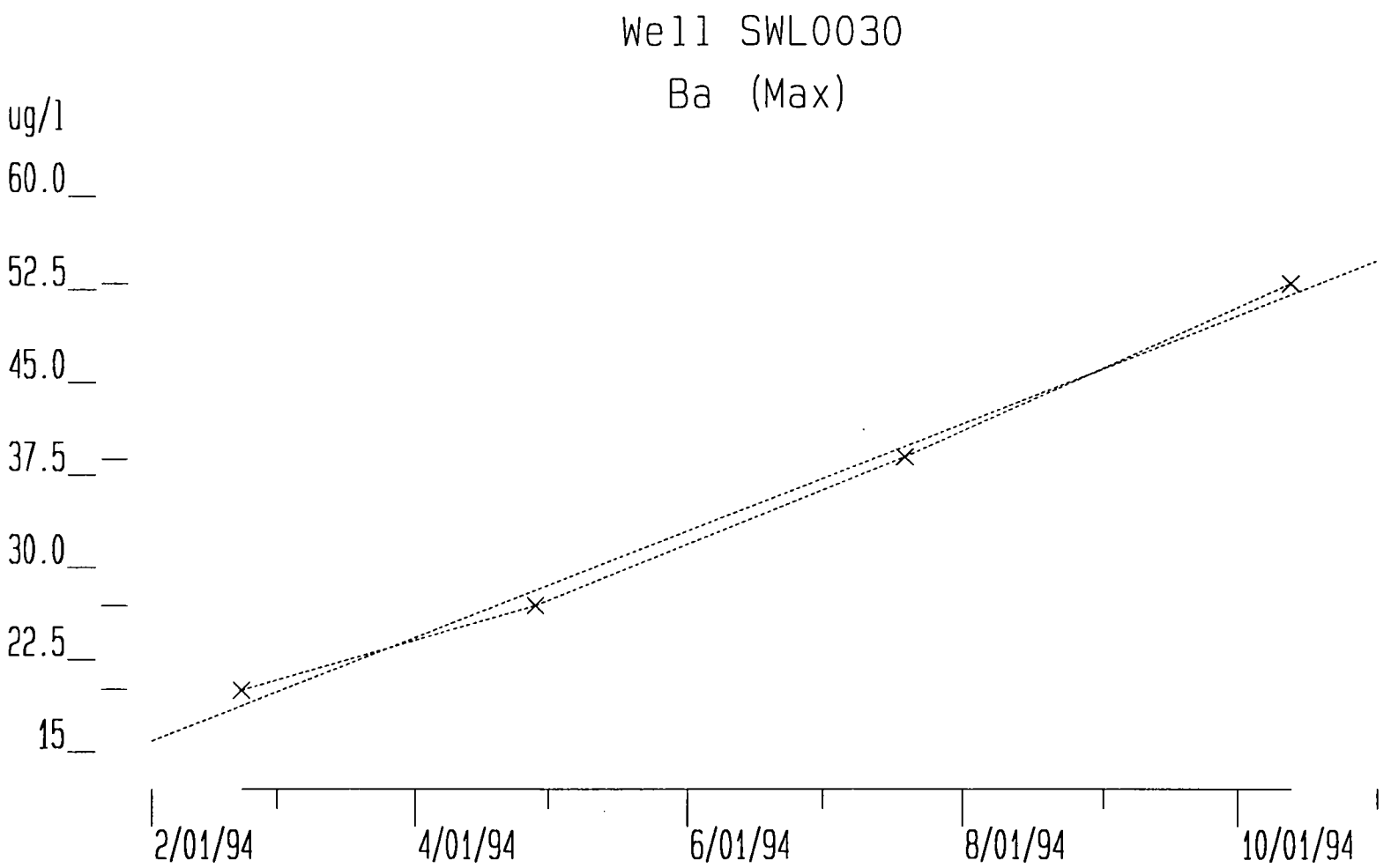


Slope of regression line is 1.1408 ug/l per year.



Slope of regression line is 37.5852 ug/l per year.

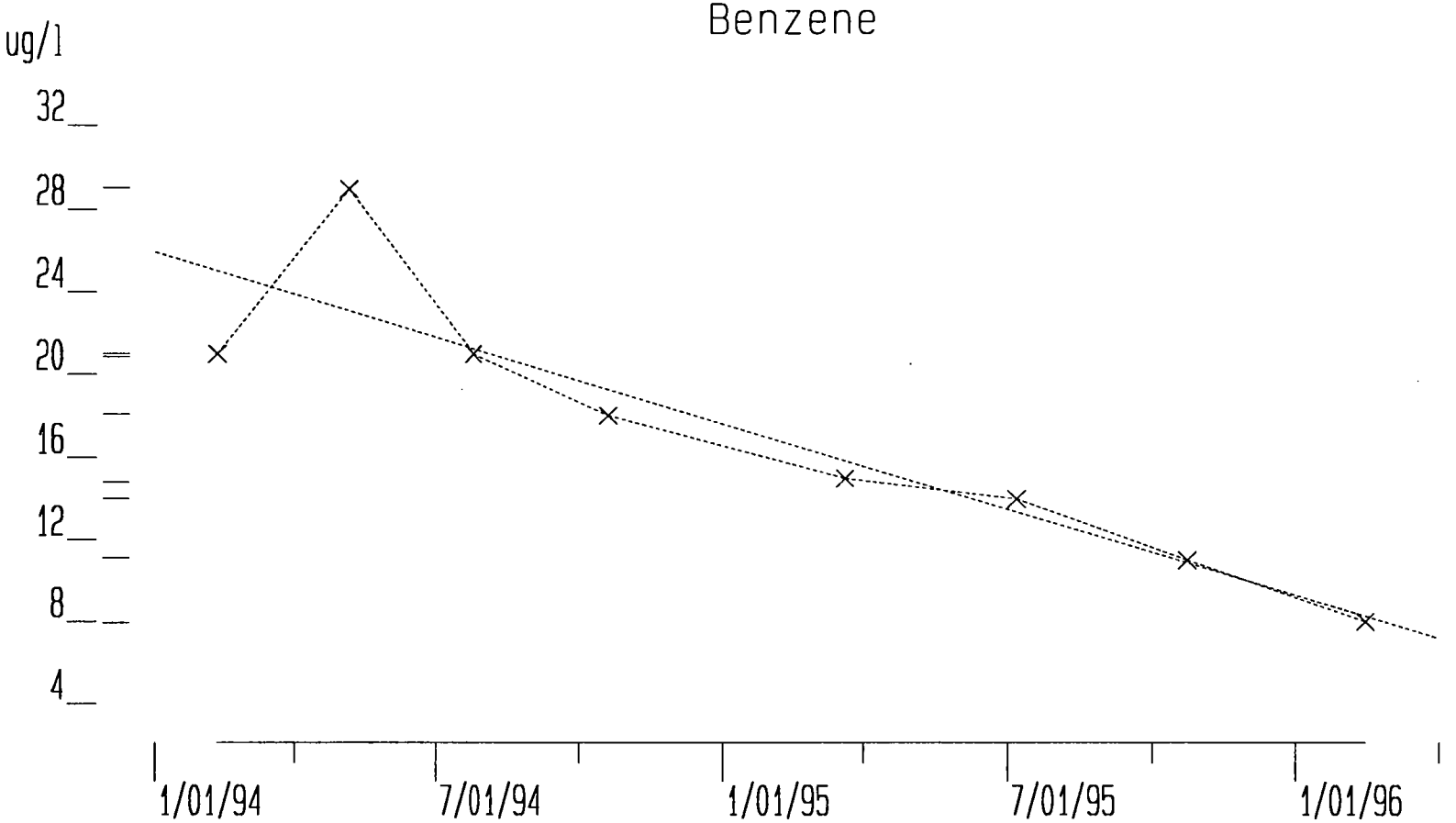
MIDDLE BELLFLOWER C SAND MONITORING LOCATIONS



Slope of regression line is 51.9688 ug/l per year.

Well SWL0033

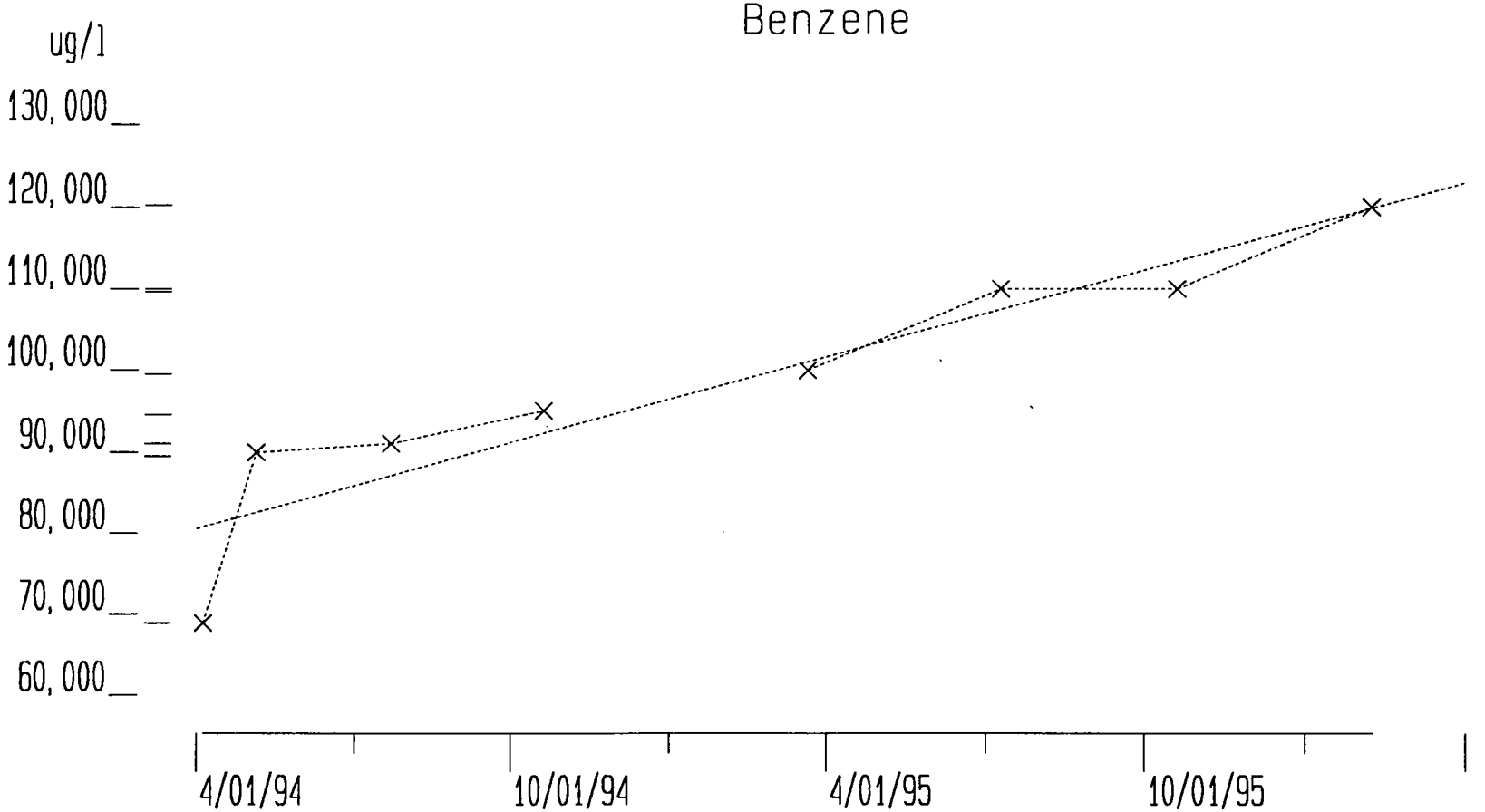
Benzene



Slope of regression line is -8.3265 ug/l per year.

Well SWL0040

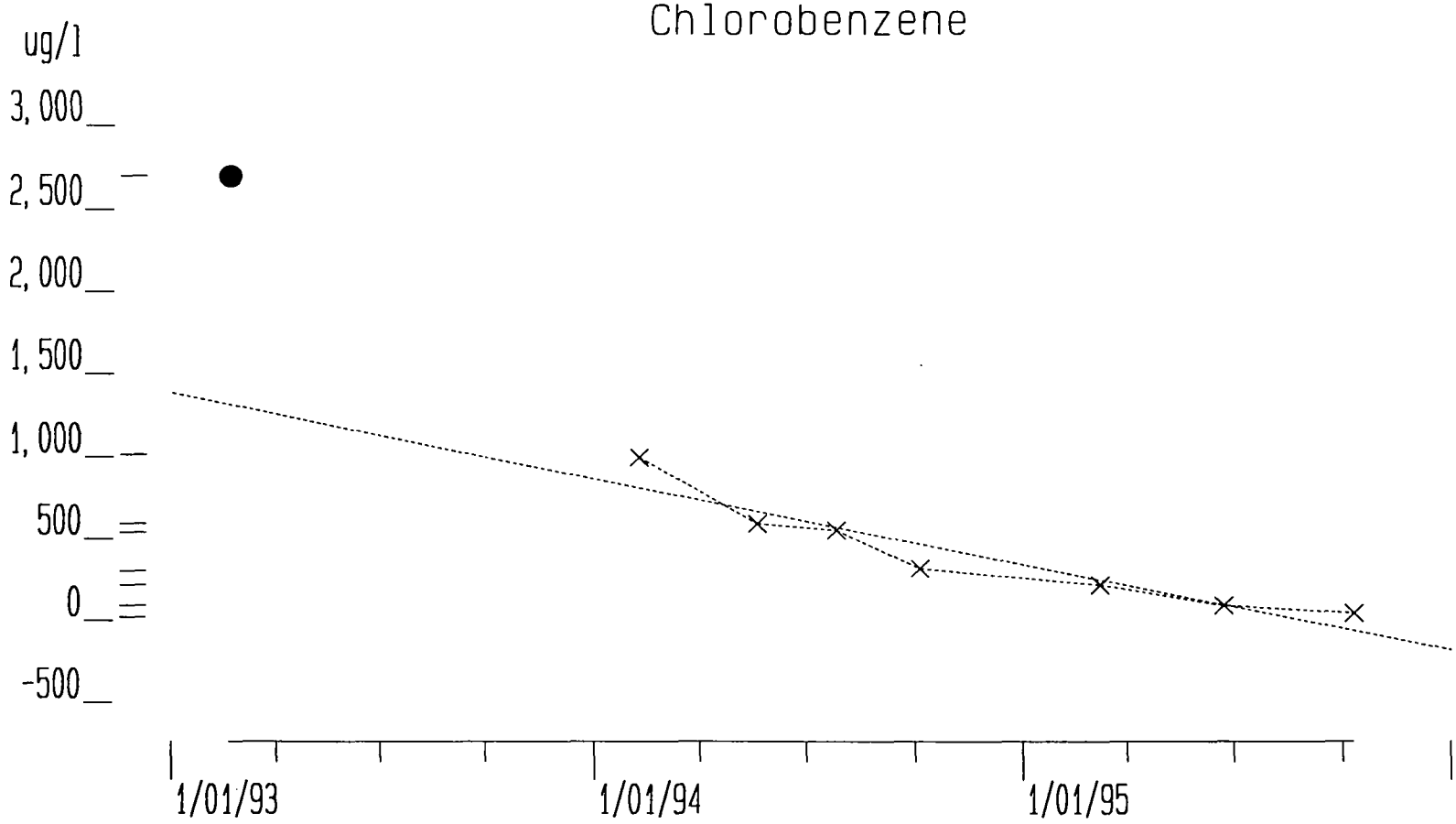
Benzene



Slope of regression line is 21164.5055 ug/l per year.

Well XBF-05

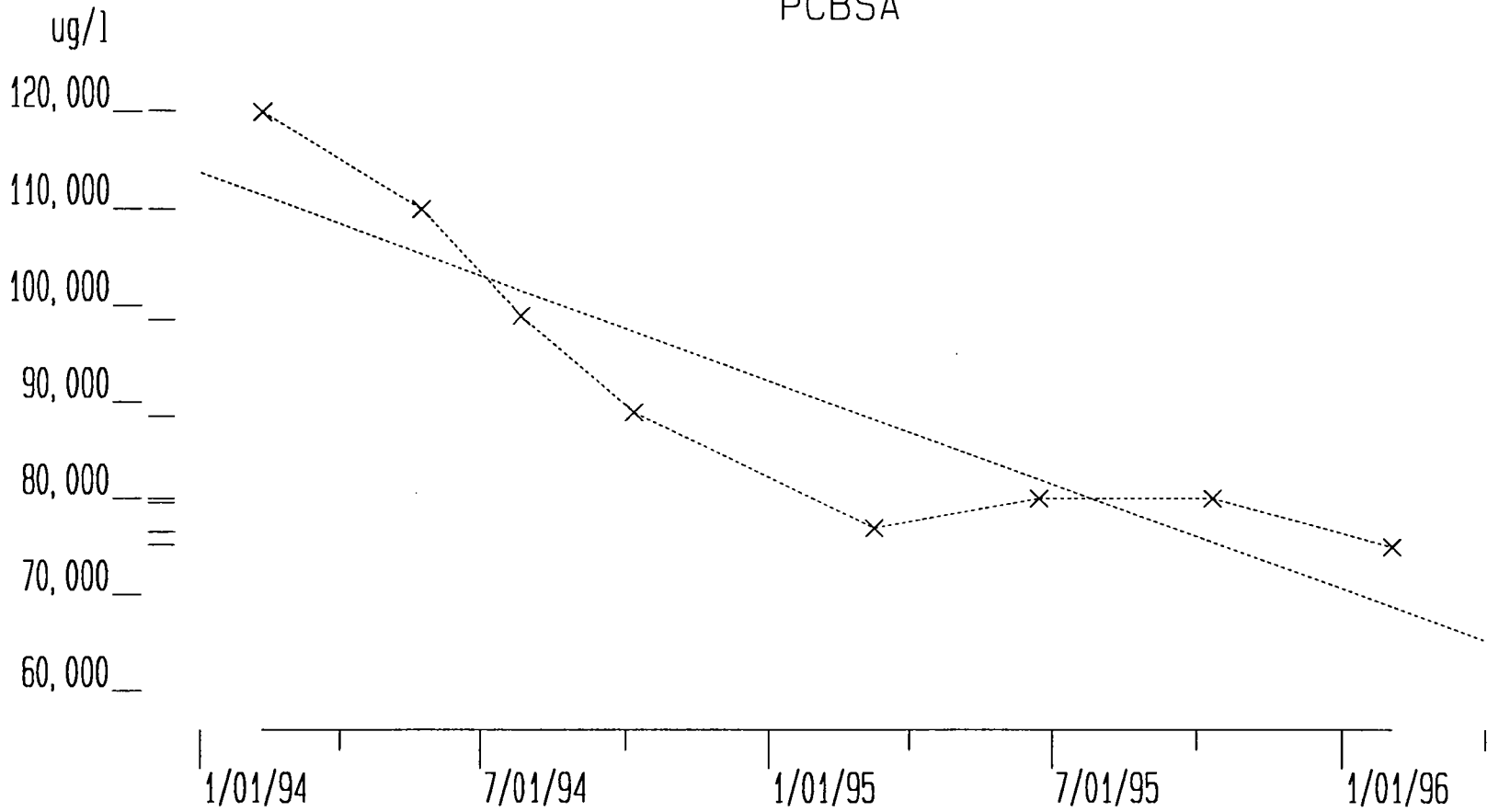
Chlorobenzene



Slope of regression line is -521.4542 ug/l per year.

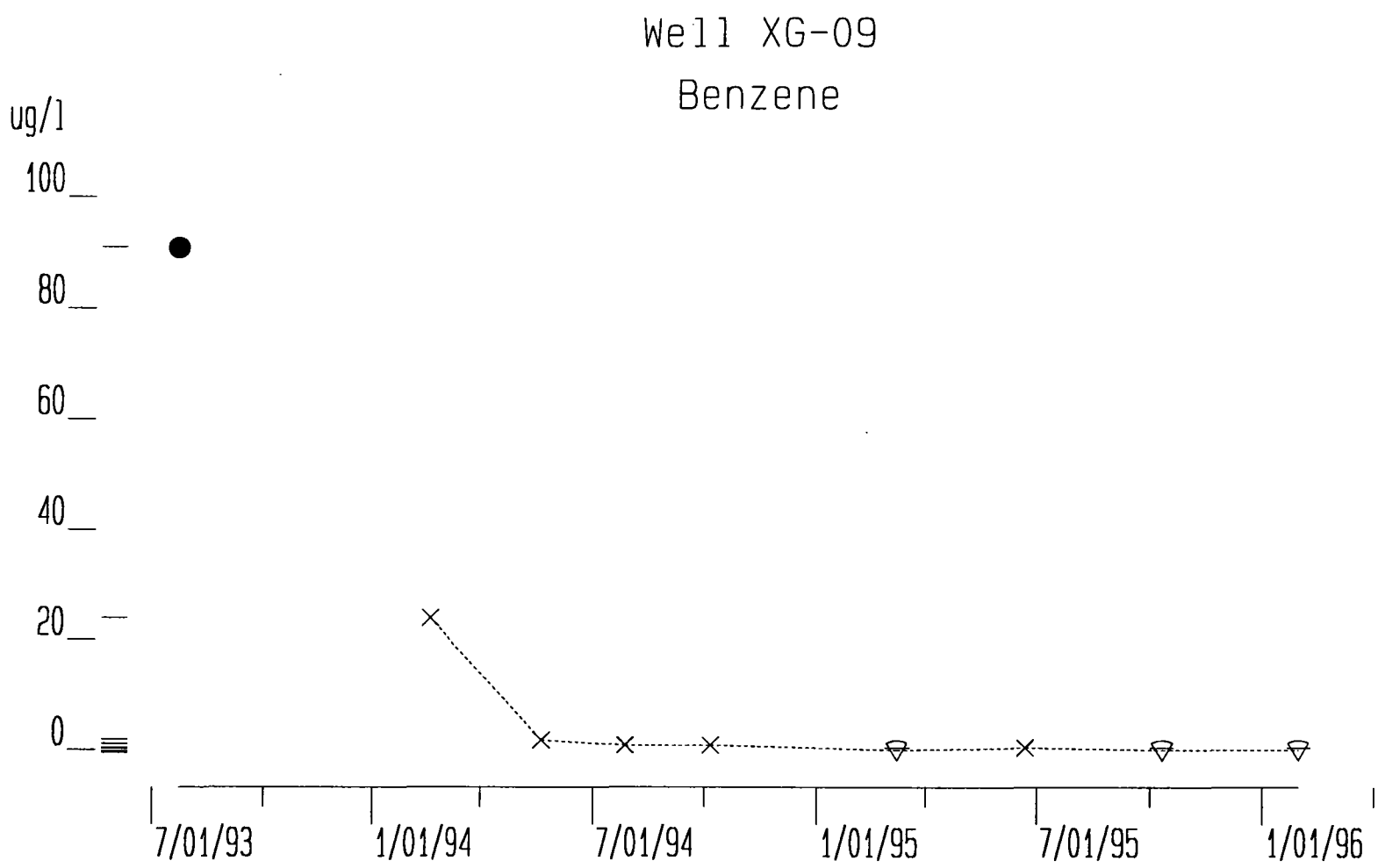
Well XBF-06

PCBSA



Slope of regression line is -21595.1401 ug/l per year.

GAGE AQUIFER MONITORING LOCATIONS



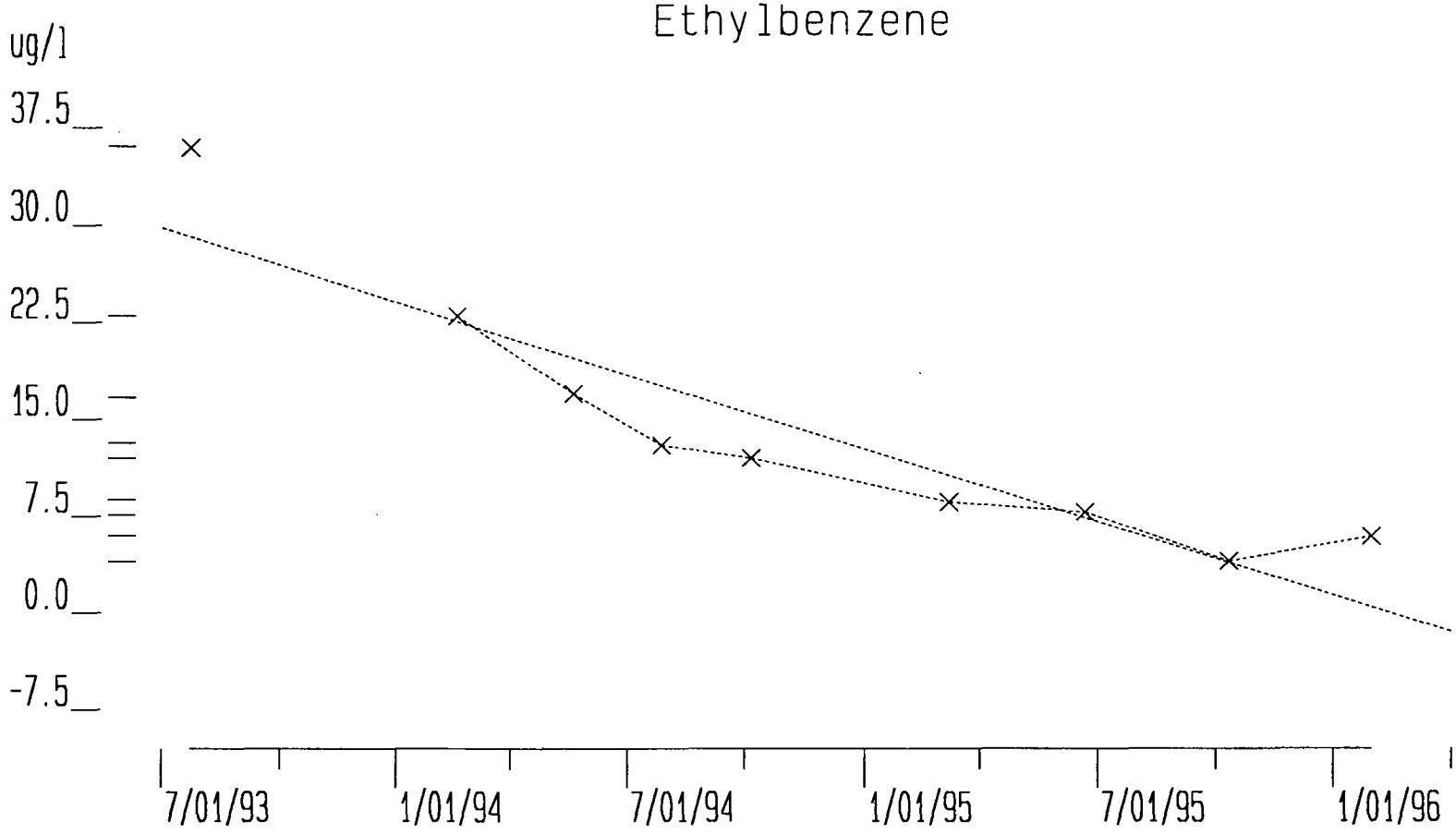
(C) DAMES & MOORE 1990-93

August 29, 1996

Delamo GW Monitoring

Well XG-09

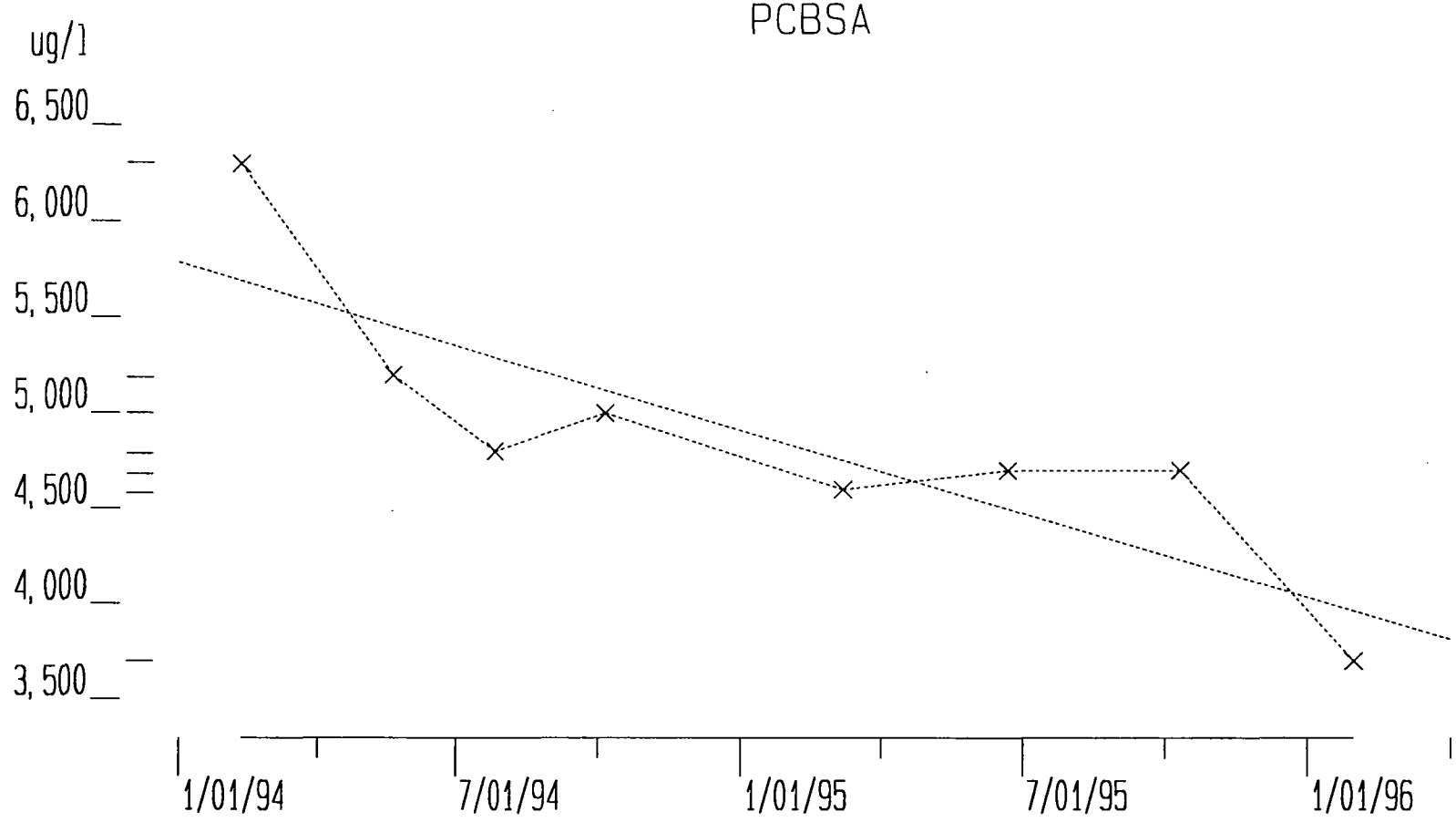
Ethylbenzene



Slope of regression line is -11.3513 ug/l per year.

Well XG-17

PCBSA



Slope of regression line is -876.7405 ug/l per year.

APPENDIX G3

ELECTRONIC FORMAT
VALIDATED GROUNDWATER ANALYTICAL RESULTS
PHASE I THROUGH FIRST SAMPLING, 1996
8/18/92 - 2/16/96

APPENDIX G3

ELECTRONIC FORMAT
VALIDATED GROUNDWATER ANALYTICAL RESULTS
PHASE I THROUGH FIRST SAMPLING, 1996
8/18/92 - 2/16/96

The computer diskette provided in this appendix contains the analytical results and supporting information for all primary groundwater samples collected and analyzed during the Del Amo Groundwater Remedial Investigation from the 1993 Phase I investigation through the first groundwater monitoring period 1996. These data are compiled in standard database format (DBF file format) that can be readily exported and read by most widely used database programs as well as some spreadsheet programs.

The database structure and an explanation of the database fields are provided below.

GENERAL

- Number of Data Records: 109,166
- Date of Last Update: 5/7/97

FIELD	FIELD NAME	EXPLANATION
1	SITE_ID	Well or Sampling Location Identification
2	SAMP_ID	Field Sample Identifier
3	SAMP_DATE	Date of Sample Collection (mm/dd/yy format)
4	LAB_CHEM	Constituent Name from Laboratory
5	CONC	Concentration/Result from Sample
6	DET_LIMIT	Detection Limit for Sample
7	UNITS	Reported Units of Concentration
8	ER_Q	Data Validation Qualifier
9	ER_R1	Validation Qualifier Reason Code
10	SAMP_TIME	Time of Sample Collection (##:## 24 hr. format)
11	TCL_ID	Laboratory Method Code (Template Constituent List)
12	CAS_NUM	Chemical Abstract Service Registry Number.

NOTES:

TCL_ID: Takes the form LLLmmmmC where:

LLL = 3 letter acronym for the laboratory performing the analysis

mmmm = Description of analytical method used (variable number of characters).

C = T for total (unfiltered), D for dissolved (filtered).

For example, BCA8240T, means: BCA laboratory, EPA Method 8240 Total

Data validation qualifiers and reason codes are defined in Appendix I, Table I-2.

UNSCANNABLE MEDIA

To use the unscannable media document # 2259658
contact the Region IX Superfund Records Center

APPENDIX H

AQUIFER TESTING

APPENDIX H1

AQUIFER TESTING DATA ANALYSIS METHODS

APPENDIX H1

AQUIFER TESTING DATA ANALYSIS METHODS

H1.0 AQUIFER TEST DATA ANALYSIS PROCEDURES

This section describes the procedures used to analyze time-drawdown data collected during aquifer testing at the Del Amo study area. The Theis (1935) recovery method was used to estimate aquifer hydraulic conductivity using late-time recovery data from single-well pump tests. The Cooper et al. (1967) method was used to analyze water level data from slug tests. The ratio method (Neuman and Witherspoon, 1972) was used to estimate vertical hydraulic conductivity of aquitard materials.

H1.1 RECOVERY ANALYSIS

This section describes the analysis of water level data by the Theis (1935) recovery method. The Theis method is based on the following simplified assumptions: fluid flow is to a well of infinitesimal diameter; the aquifer is homogeneous and isotropic; and, the rate of water level rise is unaffected by adjacent leaky aquitards. These assumptions pose difficulties in estimating the true hydraulic conductivity of the sediments surrounding a borehole because the rate of the water-level rise will be affected by the finite well diameter (well-bore storage), by the skin surrounding the borehole, and by leakage from the surrounding aquitard materials. However, these effects are minimized during later stages of aquifer recovery following constant rate discharge tests. Hence, the Theis recovery method is appropriate.

Theis (1935) showed that for ideal radial flow in a confined, homogeneous, and isotropic aquifer system, the residual drawdown in a well that was pumped at a constant rate and allowed to recover is:

$$s' = \frac{2.303Q}{4\pi T}\left[\log_{10}\frac{2.246Tt}{Sr^2} - \log_{10}\frac{2.246T\,(t-t_n')}{Sr^2}\right] \quad for \quad t > t_n \qquad (1)$$

where:

Q	=	pumping rate	$[L^3T^{-1}]$
T	=	transmissivity	$[L^2T^{-1}]$
S	=	storativity	
t	=	time since pumping started	[T]
t_n'	=	time since pumping stopped	[T]

r	=	radial distance from center of pumping well to observation point within the flow system	[L]
s'	=	*residual drawdown*: the difference between the static water level prior to pumping and the water level at time $t' = t-t_n'$ after pumping stopped	[L]

Theis (1935) stated that "if a well is pumped for a known period and then left to recover, the residual drawdown at any instant will be the same as if pumping of the well had been continued but a recharge well with the same flow had been introduced at the same point at the instant pumping stopped." Since the constants cancel, equation (1) reduces to,

$$s' = \frac{2.303Q}{4\pi T}\log_{10}\frac{t}{t'} \qquad (2)$$

and a semi-log plot of s' versus t/t' will yield a straight line, the slope of which is,

$$\Delta s' = \frac{2.303Q}{4\pi T} \qquad (3)$$

Time and water level data were collected during each pump and recovery test using In-Situ Troll datalogger/transducer systems and were reduced to values of residual drawdown and dimensionless time (t/t′) using Excel (v5.0). For each recovery test, a plot of residual drawdown versus dimensionless time was generated using Aqtesolv (Duffield and Rumbaugh, 1991) and a straight line was manually fitted to a segment of the late-time data. Transmissivity (T) was calculated using equation (3), and was divided by the thickness of the tested zone (b) to estimate hydraulic conductivity, (K). In general, for water table (UBF) wells, the aquifer thickness value used was equal to the distance from the static water level to the base of the filter pack. For MBFB, MBFC and Gage aquifers, b was chosen based on lithologic information from the well boring or nearest control boring. Schematics of each well tested, showing well construction, generalized stratigraphy and aquifer thickness, b, are included in Appendix H2.

Plots of residual drawdown versus dimensionless time showing the straight line fit are included in Appendix H3. Tables of recovery data collected for each test are included in Appendix H4.

In most cases, the wells tested during this investigation were not fully penetrating; however, the potential effects of partial penetration are thought to be very small. In accordance with the procedures, T was derived using late time recovery data. During late time recovery, flow in

the aquifer should be nearly radial, thus significantly reducing any potential impacts of partial penetration.

H1.2 RATIO METHOD

Neuman and Witherspoon (1972) expanded on the method described by Wolff (1970) to estimate the contribution of an aquitard to a leaky infinite aquifer that is pumped at a constant rate. The method requires the knowledge of the aquifer diffusivity, $\alpha = T/S$ (where T is transmissivity and S is storativity), and the ratio of the early-time drawdown in the aquitard, s' to the drawdown in the aquifer, s, where $'$ refers to the aquitard. This method is based on a trade off between early-time, less reliable data, and later-time data that may be affected by leakage, and is applicable to the Del Amo study area for the following reasons: the aquifer can be confined or unconfined; the ratio method depends less on the actual values of drawdown in the aquifer than on the time lag for drawdown to be observed in the aquitard; the confining layers can be heterogeneous and anisotropic, since the ratio method yields an average vertical permeability of the aquitard being tested; prior knowledge of the aquitard thickness is not necessary; and, curve matching procedures that may be prone to subjective errors are not necessary because a more reliable result can be obtained from an average of several s'/s values.

At a given radial distance from the pumping well, the ratio s'/s is calculated at an early time when the data are reliable and yet not affected by leakage from any pumped aquifer adjacent to the aquitard of interest. For that time and radius, dimensionless time is calculated for the aquifer given T and S as:

$$t_D = \frac{Tt}{Sr^2} \tag{4}$$

The corresponding dimensionless time for the aquitard is read from a family of type t_D curves that are plotted as s'/s versus t_D' (Figure H1-1). This family of type curves was plotted from the Witherspoon et al. (1967) solution to the slightly leaky aquifer for drawdown in the aquitard as:

$$s'(r,z,t) = \frac{Q}{4\pi T} W(t_D, t_D') \tag{5}$$

where:

$$W(t_D, t_D') = \frac{2}{\sqrt{\pi}} \int_{1/\sqrt{4t_D'}}^{\infty} -Ei\left(-\frac{t_D' y^2}{t_D(4t_D' y^2 - 1)}\right) e^{-y^2} dy$$

$$t_D' = \frac{K_v' t}{S_s' z^2} \tag{5a}$$

where:

S_s' =	specific storage of the aquitard	[L^{-1}]
z =	vertical distance from aquifer/aquitard boundary to the monitoring zone in the aquitard	[L]
K_v' =	vertical hydraulic conductivity of the aquitard	[LT^{-1}]

Hydraulic conductivity of the aquitard (K_v') was estimated from equation (5a) for values of z, t, t_D' (obtained from the type curve match), and S_s', which was determined from laboratory consolidation tests (Appendix F3). The average K_v' derived using the ratio method is for the portion of the aquitard between the well screen in the aquitard and the aquifer/aquitard boundary.

Upper-end and lower-end values of average K_v' were calculated at several times for each ratio method test. Calculations for upper-end average K_v' were done using a value of z measured from the aquifer/aquitard interface to the midpoint of the sandpack/screen interval ($z_{midpoint}$). Lower-end estimates of average K_v' were calculated using a value of z measured from the aquifer/aquitard interface to the closest point of the sandpack/screen interval ($z_{minimum}$). Figures H1-2 and H1-3 present well construction details, generalized stratigraphy, and $z_{minimum}$ and $z_{midpoint}$ values for each ratio method well cluster.

Using the midpoint of the screened interval in the aquitard piezometer during the ratio method analysis results in an average K_v' for the portion of the aquitard between the midpoint of the screen and the aquifer/aquitard boundary. The midpoint is used as an average because of the uncertainty regarding the uniformity of the transient pressure front advancing through the aquitard. The method assumes that the pressure front is highly non-uniform and that selection of the screen midpoint will define the average distance the pressure front has travelled through the aquitard at the time that drawdown in the aquitard piezometer is observed. The ratio method calculations were also solved using an aquitard thickness measured from the top (or bottom) of the screen to the pumped aquifer ($z_{minimum}$). In this case, it is assumed that the observed drawdown occurs after the minimum possible travel distance. This modification of the method assumes the pressure front is advancing through the aquitard more or less uniformly. This

allowed estimation of initial average K_v' for the regional groundwater flow model layers representing aquitards. It is important to note that the ratio method for estimating aquitard K_v' was intended to develop a reasonable range of values of K_v' for the aquitards for purposes of developing the regional groundwater flow model. The final K_v' values used in the model vary throughout the range of K_v' values (developed not only using the ratio method, but also from laboratory permeability test results) as dictated during flow calibration.

H1.2.1 Estimation of Drawdown in the Pumped Aquifer

The estimated drawdown (s) in the pumped aquifer at the same radial distance from the pumping well as the aquitard observation well was derived using the Theis (1935) nonequilibrium well equation, as follows.

$$s=\frac{Q}{4\pi T}w(u) \tag{6}$$

where,

s = drawdown (ft)
Q = pumping rate (ft^3/min)
T = transmissivity (ft^2/min)
w(u) = well function

w(u) is the well function of *u* and represents an exponential integral:

$$u=r^2\frac{S}{4Tt} \tag{7}$$

where,

R =	distance from center of pumped well to point where drawdown is measured (ft)
S =	coefficient of storage (dimensionless)
T =	transmissivity (ft^2/minute)
t =	elapsed time since pumping began (minutes)

In the case of our study, r is the distance from the pumped well to the location of the observation well in the aquitard. T was derived from analysis of the recovery data in the ratio method pumped well. The S values selected for each ratio method test analysis were obtained from previous pumping test studies conducted by Hargis + Associates and were obtained from the closest available data point to the aquitard monitoring well location. S values were obtained from Theis drawdown analyses (Theis, 1935) conducted by Hargis + Associates (Hargis + Associates, 1990d).

H1.2.2 MBFB Sand/UBF Aquitard Ratio Method Test at SWL0023/SWL0024

The aquifer/aquitard pump test at SWL0023/24 involved pumping MBFB sand well, SWL0023, at 9.9 gpm for 1640 minutes and monitoring the drawdown in the UBF aquitard at well SWL0024 (Figure H1-2), located 14.5 feet east of SWL0023. After correcting for barometric fluctuations, the ratio of the drawdown in the aquitard to the drawdown in the aquifer, s'/s, was calculated at two elapsed times, 170 and 500 elapsed minutes, by measuring the drawdown at SWL0024 and estimating the drawdown in the aquifer at 14.5 feet from SWL0023 using the aquifer diffusivity, T/S and the Theis (1935) equation (Section H1.2.1). Figure H1-4 presents a plot of actual and corrected water levels versus time in UBF well SWL0024 and barometric pressure prior to and during pumping in MBFB well SWL0023.

The MBFB sand transmissivity (T) was estimated to be 0.96 feet^2/minute (from Theis recovery analysis of pumped well SWL0023, Table 4.2-2). The value of storativity (S) used in the ratio method analysis for well pair SWL0023/SWL0024 was estimated to be 5 x 10^{-4} which was obtained from the Theis drawdown result derived by Hargis + Associates (1990d) for well XBF-15, located approximately 3,000 feet west/southwest of SWL0023. The dimensionless time coefficient for the aquifer, t_D (equation 4) was calculated and used with the aquitard/aquifer drawdown ratio and the Witherspoon et al. (1967) type curves to estimate the dimensionless time coefficient for the aquitard, t_D' at each selected time. A value of K_v' was calculated using equation (5a) for each value of t_D' and at each time. For these calculations, specific storage for the aquitard was assumed to be 5.82x10^{-4} ft^{-1} (based on consolidation testing results; Appendix F3).

Both lower-end and upper-end K_v' values were calculated. Upper-end K_v' values were based on using the distance from the aquifer/aquitard interface to the midpoint of the sandpack/screen interval in the aquitard monitoring well ($z_{midpoint}$=34 feet). Lower-end K_v' values were calculated using $z_{minimum}$=25 feet, the distance from the aquifer/aquitard interface to the bottom of the screen/sandpack interval. Well construction information and z values are shown in Figure H1-2. The lower-end average K_v' of the UBF at SWL0024 ranged from approximately 1.4 x 10^{-1} to 2.6 x 10^{-1} feet/day and averaged 2 x 10^{-1} feet/day. The upper-end average K_v' ranged from approximately 2.5 x 10^{-1} to 4.9 x 10^{-1} feet/day and averaged 3.7 x 10^{-1} feet/day. Results are summarized in Table H1-1.

H1.2.3 MBFC Sand/UBF Aquitard Ratio Method Test at SWL0014/SWL0043

The aquifer/aquitard pump test at SWL0014/SWL0043 involved pumping MBFC sand well, SWL0014, at 4.8 gpm for 356 minutes and monitoring drawdown in the LBF aquitard at well SWL0043 (Figure H1-3), located 28.6 feet west of SWL0014. The ratio of the drawdown in the aquitard to the aquifer, s'/s, was calculated at 60 and 210 elapsed minutes, by measuring the drawdown at SWL0043 and estimating the drawdown in the aquifer at 28.6 feet from SWL0014 using the aquifer diffusivity, T/S and the Theis (1935) equation (Section H1.2.1). Figure H1-5 presents a plot of water levels versus time in LBF well SWL0043 and barometric pressure during and after pumping in MBFC well SWL0014.

The MBFC sand transmissivity (T) was estimated at 1.1 feet^2/minute (from Theis recovery analysis of pumped well SWL0014, Table 4.2-2). The storativity (S) value for the MBFB/C sand for the ratio method test at the SWL0014/SWL0043 well cluster was estimated to be 1 x 10^{-4}, which was obtained from the Hargis + Associates (1990d) Theis drawdown analyses for well XBF-7, located approximately 3,000 feet west of SWL0014/SWL0043. The dimensionless time coefficient for the aquifer, t_D (equation 4) was calculated and used with the aquitard/aquifer drawdown ratio and the Witherspoon et al. (1967) type curves to estimate the dimensionless time coefficient for the aquitard, t_D' at 60 and 210 minutes. A value of K_v' was calculated using equation (5a) for t_D' at each selected time. The results are presented in Table H1-1. For this calculation, specific storage for the aquitard was assumed to be 1.5x10^{-4} ft^{-1} (based on consolidation testing results; Appendix F3).

The distance from the aquifer/aquitard interface to the top of the screen/sandpack interval, $z_{minimum}$, was equal to 9.6 feet. The distance from the aquifer/aquitard interface to the midpoint of the screen/sandpack interval in the aquitard monitoring well, $z_{midpoint}$, was equal to 15.7 feet. These values of z are shown on Figure H1-3 and were used to estimate lower-end and upper-end average values of K_v'. The results indicate that the lower-end average K_v' ranged from 2.3 x 10^{-1} to 3.6 x 10^{-1} feet/day and averaged 3 x 10^{-1} feet/day. The upper-end average K_v' ranged from 6.1 x 10^{-1} to 9.6 x 10^{-1} feet/day and averaged 7.9 x 10^{-1} feet/day (Table H1-1).

H1.2.4 Gage Aquifer/LBF Aquitard Ratio Method Test at XDA-1B/SWL0043

The aquifer/aquitard pump test at XDA-1B/SWL0043 involved pumping Gage Aquifer well XDA-1B at 25 gpm for 657 minutes and monitoring drawdown in the LBF aquitard at well SWL0043 (Figure H1-3), located 18.5 feet west of XDA-1B. After correcting for barometric fluctuations, the ratio of the drawdown in the aquitard to the aquifer, s'/s, was calculated at 72 and 312 elapsed minutes, by measuring the drawdown at SWL0043 and estimating the drawdown in the aquifer at 18.5 feet from XDA-1B using the aquifer diffusivity, T/S and the Theis (1935) equation (Section H1.2.1). Figure H1-6 presents a plot of actual and corrected water levels in LBF well SWL0043 and barometric pressure during and after pumping in Gage well XDA-1B.

The Gage aquifer transmissivity (T) was estimated at 0.98 feet^2/minute (from Theis recovery analysis for pumped well XDA-1B, Table 4.2-2). The storativity (S) value used for the Gage aquifer for the ratio method analysis at well pair XDA-1B/SWL0043 was estimated to be 3 x 10^{-4}. This value was obtained from taking the average of the Theis drawdown analysis results for wells XG-5, XG-11 and XG-13 derived by Hargis + Associates (1990d). The values for S derived by Hargis + Associates for the Gage aquifer ranged from 1.3 x 10^{-4} to 3.3 x 10^{-4}. The dimensionless time coefficient for the aquifer, t_D (equation 4) was calculated and used with the aquitard/aquifer drawdown ratio and the Witherspoon et al. (1967) type curves to estimate the dimensionless time coefficient for the aquitard, t_D' at 72 and 312 minutes. A value of K_v' was calculated using equation (5a) for the value of t_D' at each selected time. The results are presented in Table H1-1. For this calculation, specific storage for the aquitard was assumed to be 1.28x10^{-4} ft^{-1} (based on consolidation testing results, Appendix F3).

The distance from the aquifer/aquitard interface to the bottom of the sandpack/screen interface in the aquitard monitoring well, $z_{minimum}$, was equal to 12.25 feet. The distance from the aquifer/aquitard interface to the midpoint of the screen/sandpack interval in the aquitard monitoring well, $z_{midpoint}$, was equal to 18.3 feet. These values of z are shown in Figure H1-3 and were used to estimate lower-end and upper-end average values of K_v'. The results indicate that the lower-end average K_v' ranged from 9 x 10^{-3} to 2 x 10^{-2} feet/day and averaged 1 x 10^{-2} feet/day. The upper-end average K_v' ranged from 2 x 10^{-2} to 5 x 10^{-2} feet/day and averaged 3.5 x 10^{-2} feet/day (Table H1-1).

H1.3 COOPER ET AL. (1967) METHOD

Cooper, Bredehoeft, and Papadopulos (1967) presented an exact solution for the head change in and around a finite-diameter well assuming an instantaneous change in the water level in the well due to the introduction or removal of a "slug" from the well. The Cooper et al. (1967) solution assumes radial flow, confined conditions and a fully penetrating well. The method also considers the compressibility of both the aquifer and the formation (i.e. aquifer storage). The solution, which accounts for well-bore and well-casing effects, is represented as:

$$F(\alpha,\beta)=\frac{8\alpha}{\pi^2}\int_0^\infty e^{-\beta u^2/\alpha}\frac{du}{u\Delta(u)} \tag{8}$$

where:

$F(\alpha,\beta)$	=	$\Delta H_t/\Delta H_0$ = head ratio	(8a)
ΔH_t	=	absolute difference between the water level in well at time t and the static water level.	[L]
ΔH_0	=	absolute difference between the static water level and the water level in the well immediately after the slug is introduced or removed.	[L]
α	=	r_w^2S/r_c^2	(8b)
β	=	Tt/r_c^2	(8c)
r_w	=	borehole radius	[L]
r_c	=	casing radius	[L]

Cooper et al. (1967) represented equation (8), the solution, as a family of α-type curves for values of α in the range: $10^{-10} \leq \alpha \leq 10^{-1}$. Time and water level data were collected during one slug test via an In-Situ Troll datalogger/transducer system and were reduced to values of head ratio (equation 8a) versus time using Excel v5.0. A plot of head ratio versus time was generated using Aqtesolv (Duffield and Rumbaugh, 1991) and a type curve corresponding to a value of α was manually fitted to the late-time data. Aquifer storativity (S) was estimated from the α-type curve match using equation (8b), and T was estimated from the horizontal match

between β and t (from the type curve and head-ratio data) using equation (8c). K was calculated by dividing T by aquifer thickness, b.

Slug tests provide an order of magnitude estimate of hydraulic conductivity, K. There are several factors that may influence slug test results including both procedural and well construction factors. One well construction factor that should be considered is the effect of the filter pack adjacent to the well screen. In the case of SWL0044, which is screened above the water table in the upper Bellflower aquitard, early time data will be affected by the transmissivity of the filter pack. The transmissivity of the filter pack in SWL0044 is likely one to two orders of magnitude greater than that of the surrounding formation material. Consequently, we may expect a relatively rapid drop or rise in water levels during the early portions of the slug test. Only the early time data should be effected by the filter pack transmissivity. The early time data for the slug test in SWL0044 do not appear to have been significantly impacted by the filter pack transmissivity. Therefore, the fact that the static water level is below the screen does not seem to have significantly impacted the slug test results for this well.

H1.4 REFERENCES

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TABLE H1-1
SUMMARY OF AQUITARD VERTICAL HYDRAULIC CONDUCTIVITY RATIO METHOD TEST RESULTS

Aquifer/ Well	Aquitard/ Well	Time (minutes)	Upper-End Average K_v' (feet/day)	Lower-End Average K_v' (feet/day)
MBFB SWL0023	UBF SWL0024	170	4.9×10^{-1}	2.6×10^{-1}
		500	2.5×10^{-1}	1.4×10^{-1}
		Average	3.7×10^{-1}	2×10^{-1}
MBFC SWL0014	LBF SWL0043	60	9.6×10^{-1}	3.6×10^{-1}
		210	6.1×10^{-1}	2.3×10^{-1}
		Average	7.9×10^{-1}	3×10^{-1}
Gage XDA-1B	LBF SWL0043	72	5×10^{-2}	2×10^{-2}
		312	2×10^{-2}	9×10^{-3}
		Average	3.5×10^{-2}	1×10^{-2}

K_v' = vertical hydraulic conductivity of aquitard

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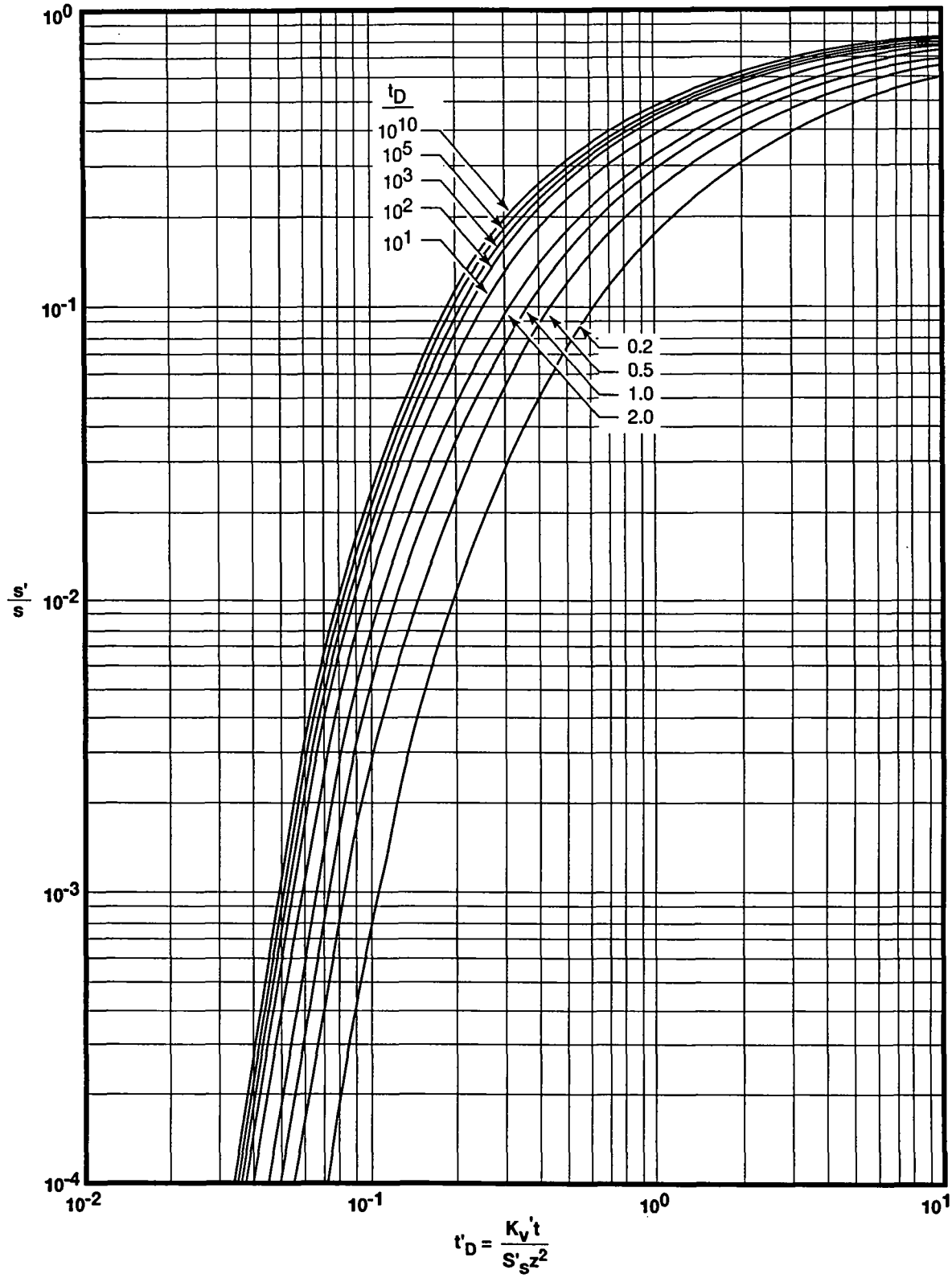

FIGURE H1-1

VARIATION OF s'/s WITH t_D' FOR SEMI-INFINITE AQUITARD

Witherspoon et al. (1967)

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A DAMES & MOORE GROUP COMPANY

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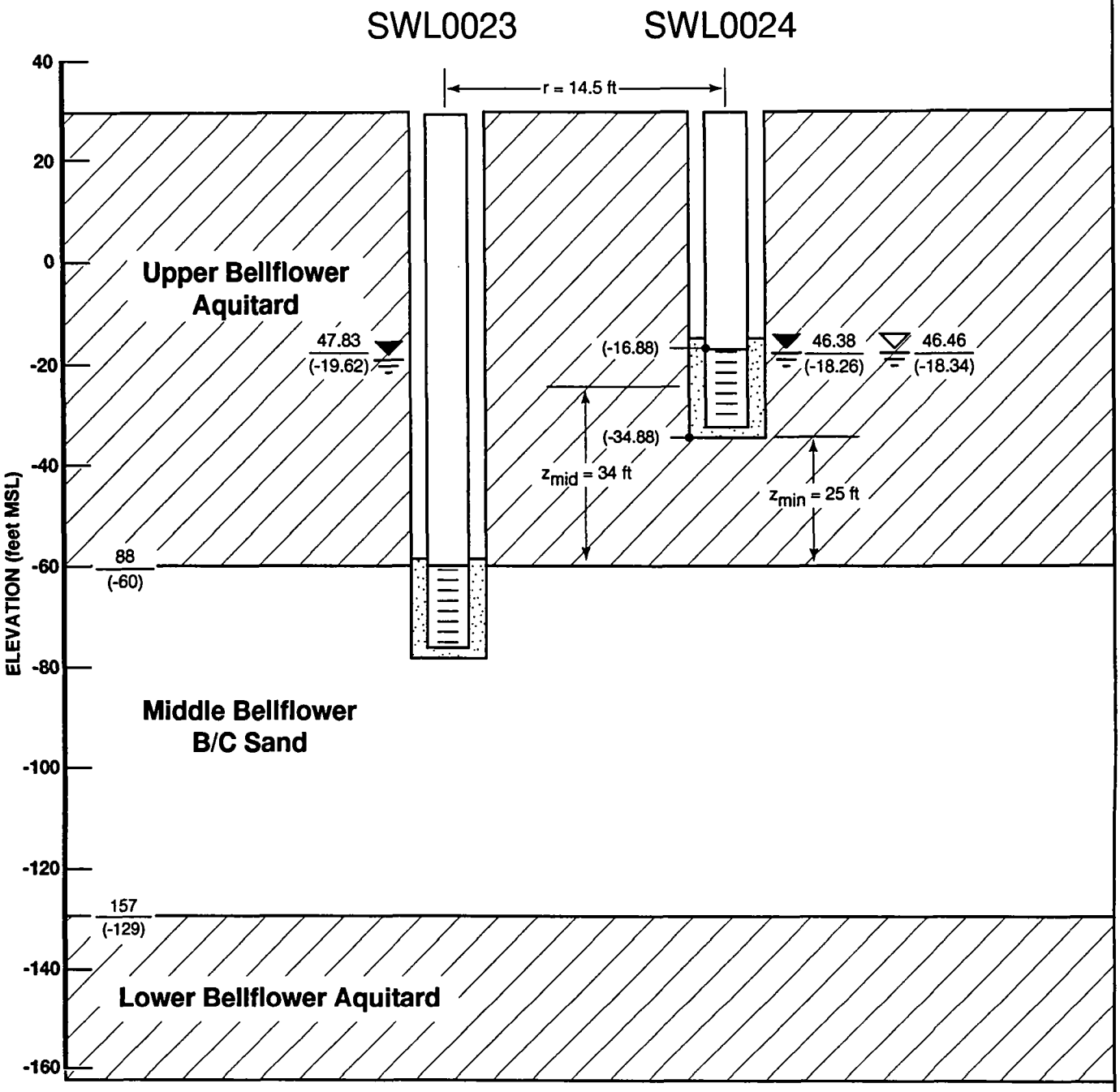

Explanation:

46.38 / (-18.34)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level

FIGURE H1-2

Well Cluster Details
SWL0023, SWL0024
Ratio Method Test

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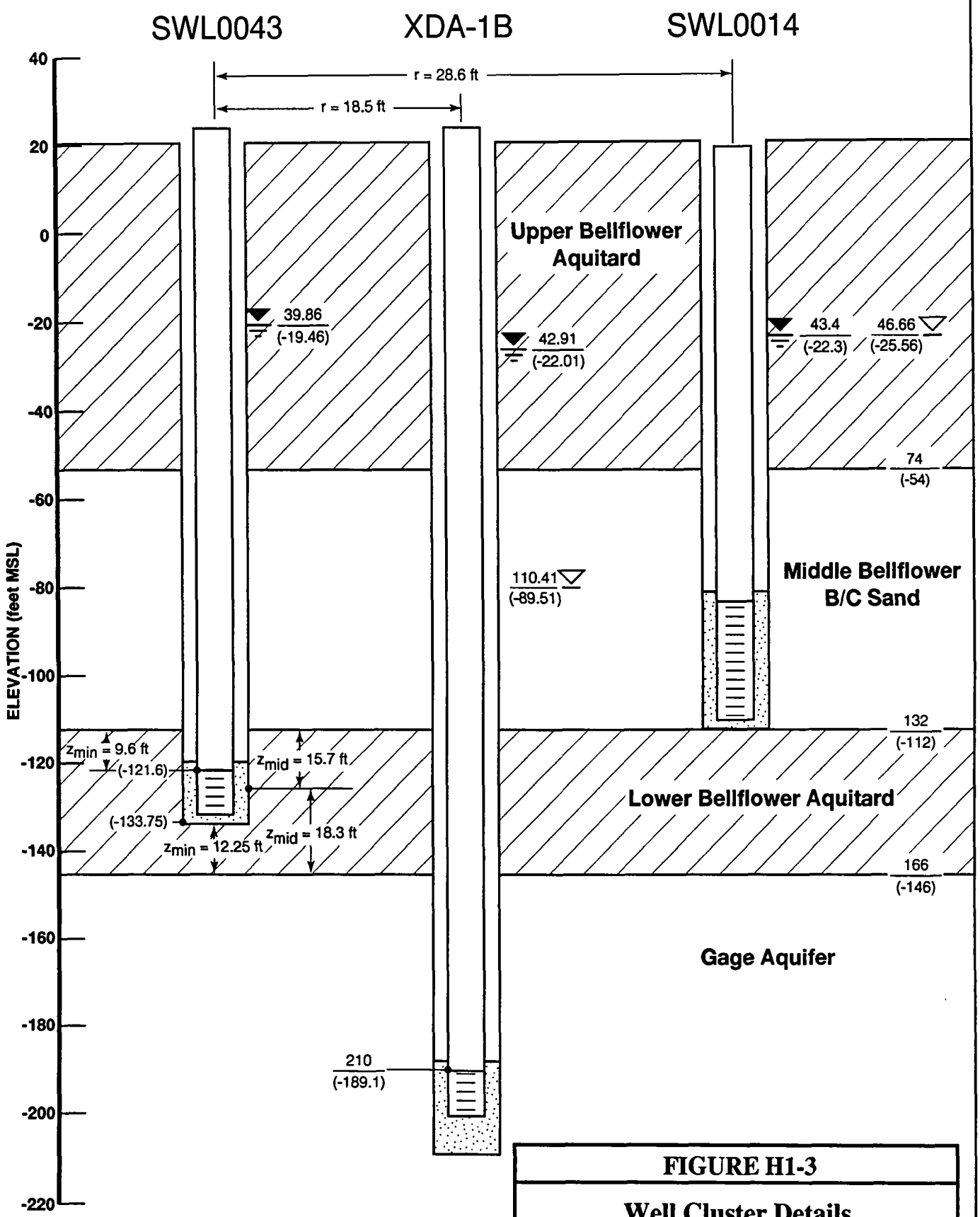

Explanation:

39.86 / (-19.46)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level

FIGURE H1-3

Well Cluster Details
SWL0014, SWL0043, XDA-1B
Ratio Method Tests

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FIGURE H1-4
Measured Water Level Change, Barometric Change and Corrected Water Level Change, UBF Well SWL0024 Before and During Pumping of MBFB Well SWL0023
Ratio Method Test

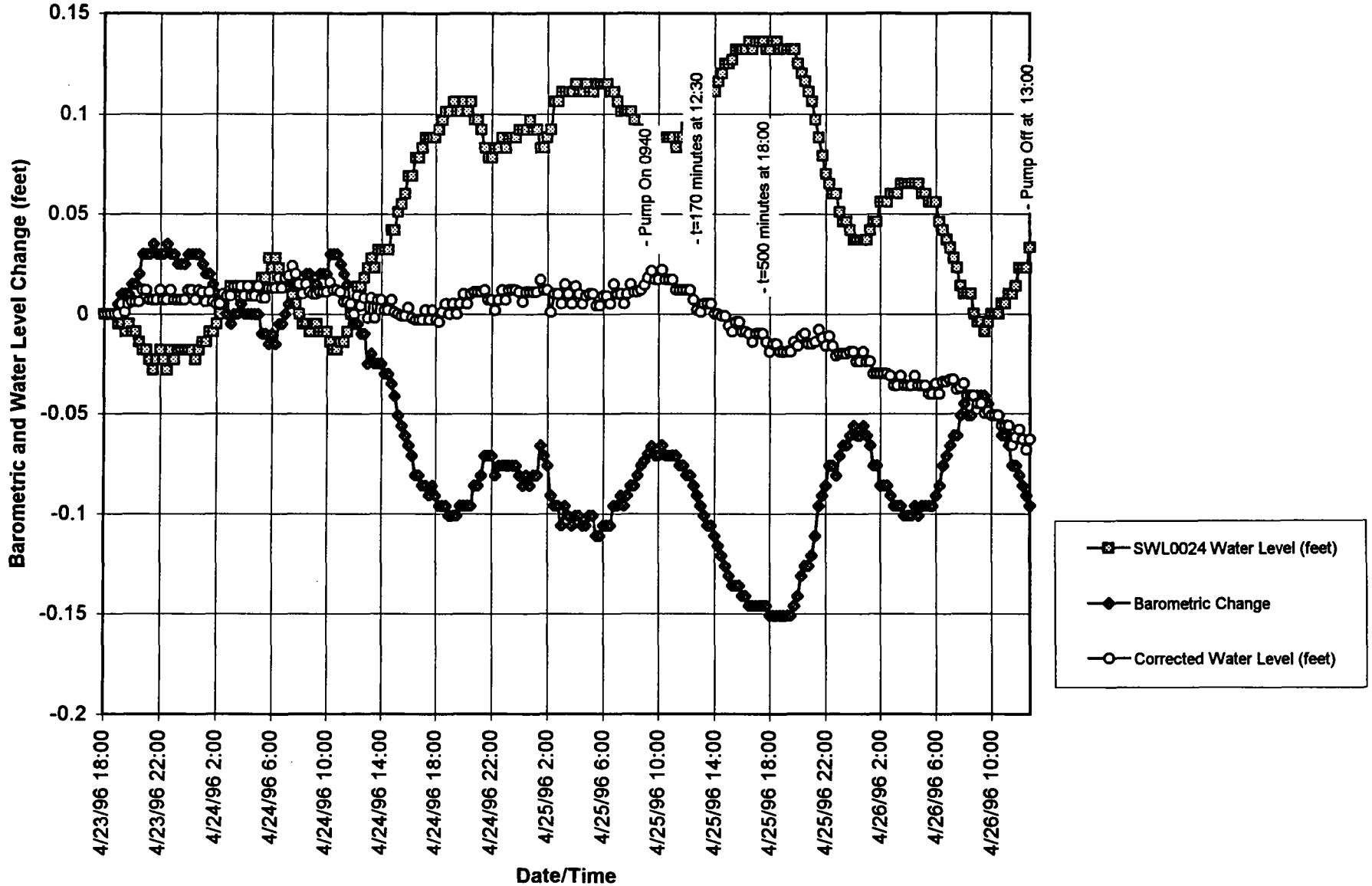


FIGURE H1-5
Measured Water Level Change in LBF Well SWL043 and Barometric Change During and After Pumping of MBFC Well SWL0014
Ratio Method Test

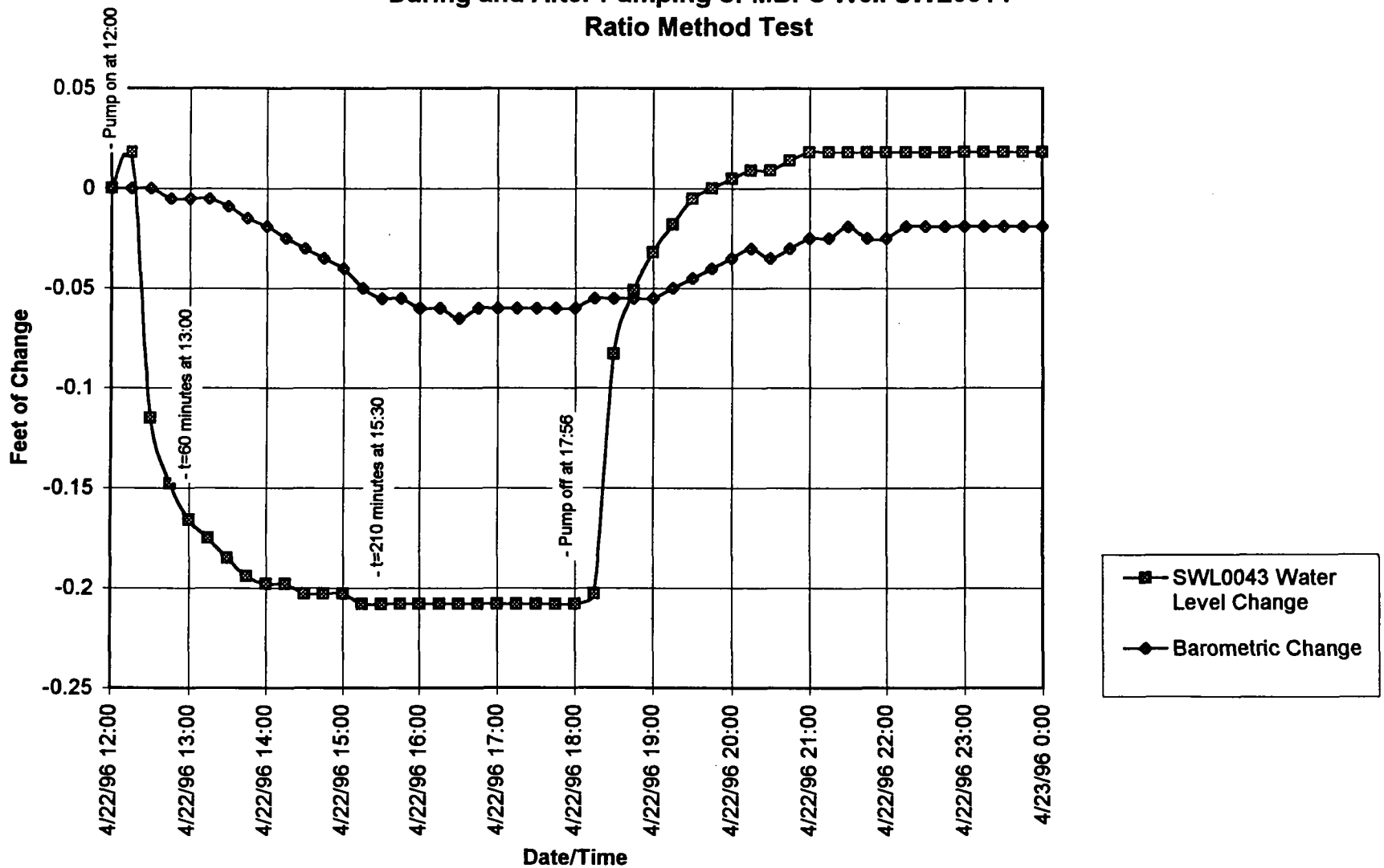
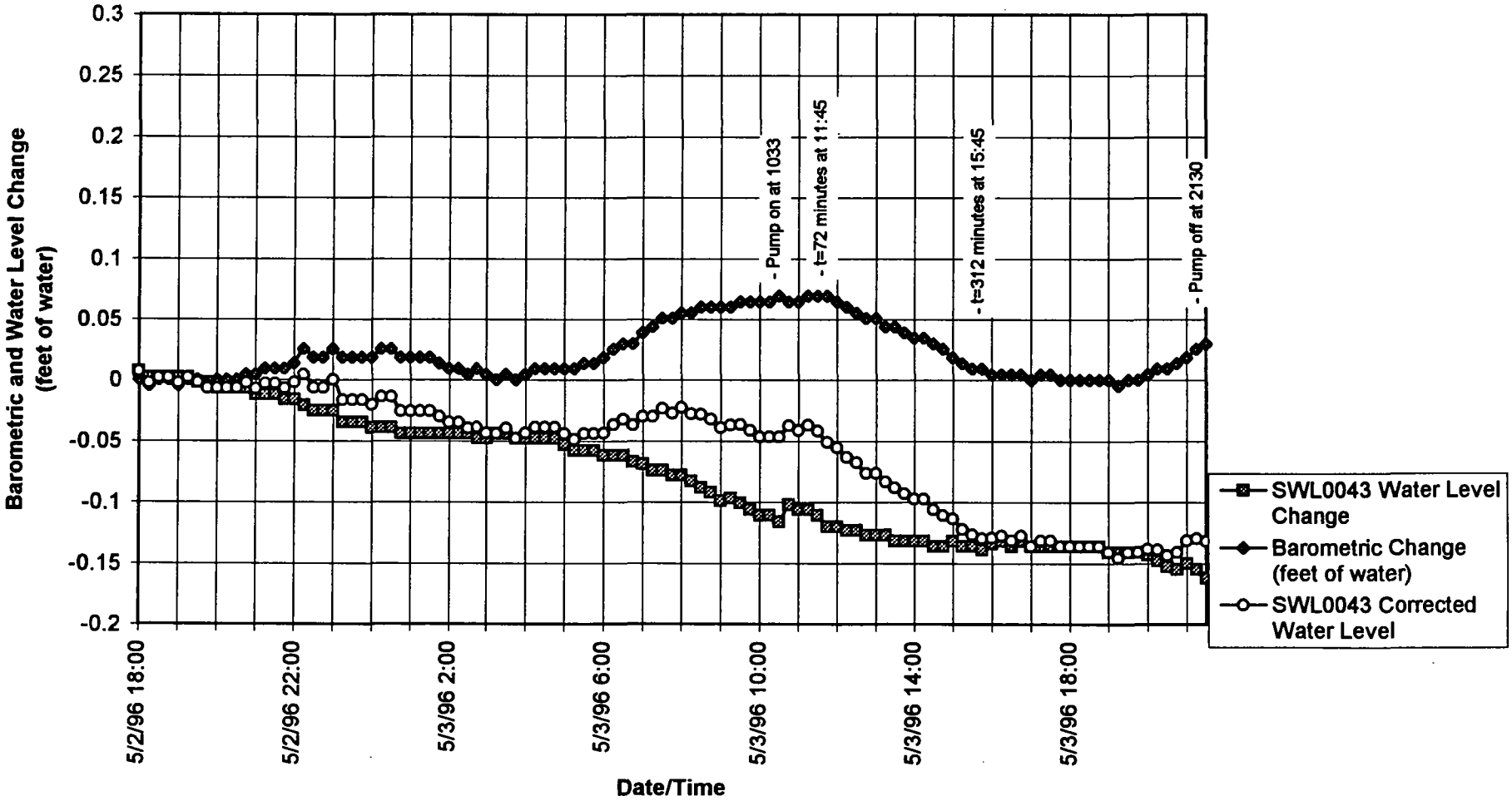


FIGURE H1-6
Measured Water Level Change, Barometric Change and Corrected Water Level Change, LBF Well SWL0043 Before and During Pumping of Gage Well XDA-1B
Ratio Method Test



APPENDIX H2

WELL CONSTRUCTION SCHEMATICS

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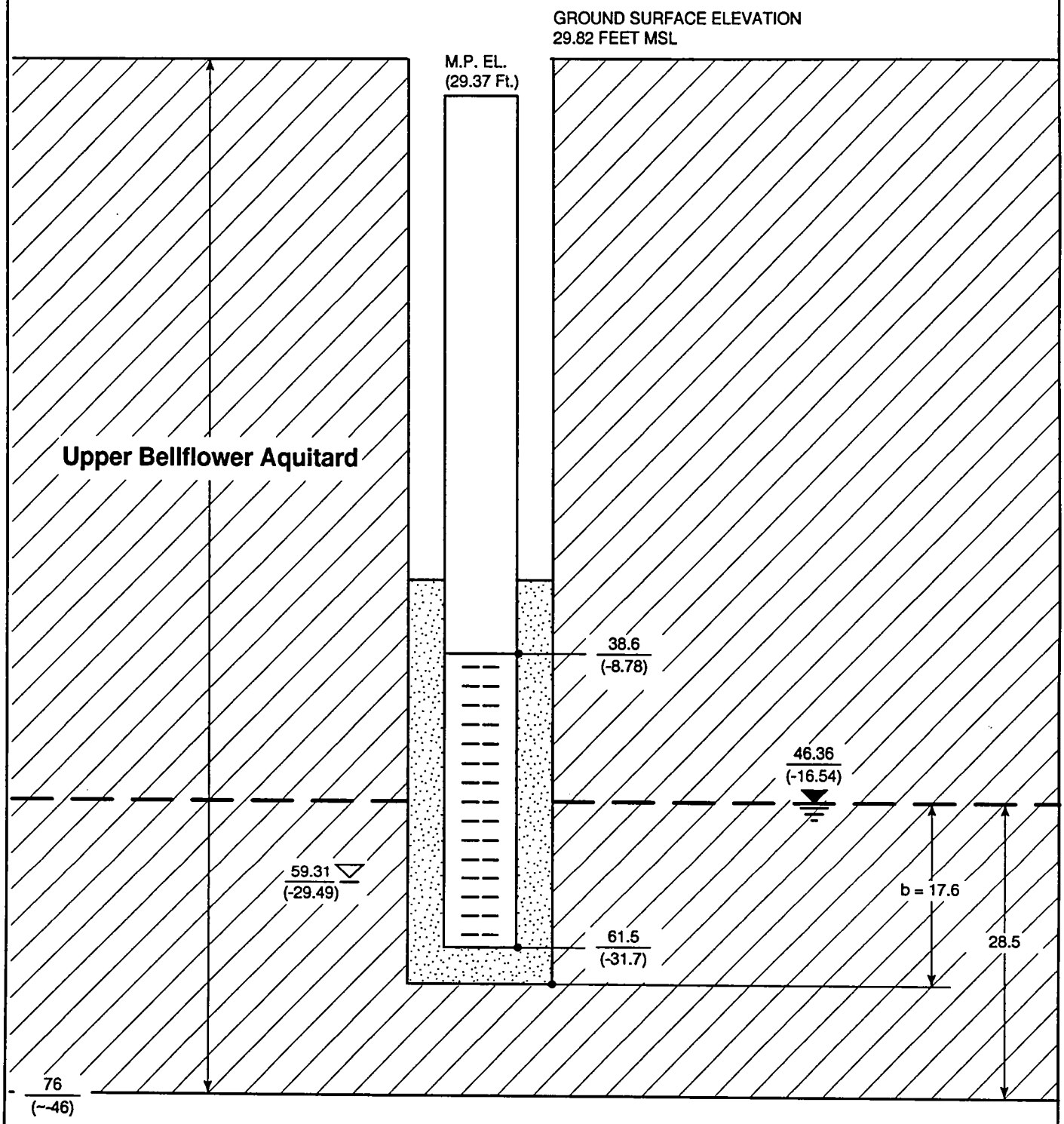
WELL SWL0005



Middle Bellflower B/C Sand

Explanation:

46.36 / (-16.54)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 17.6	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0005

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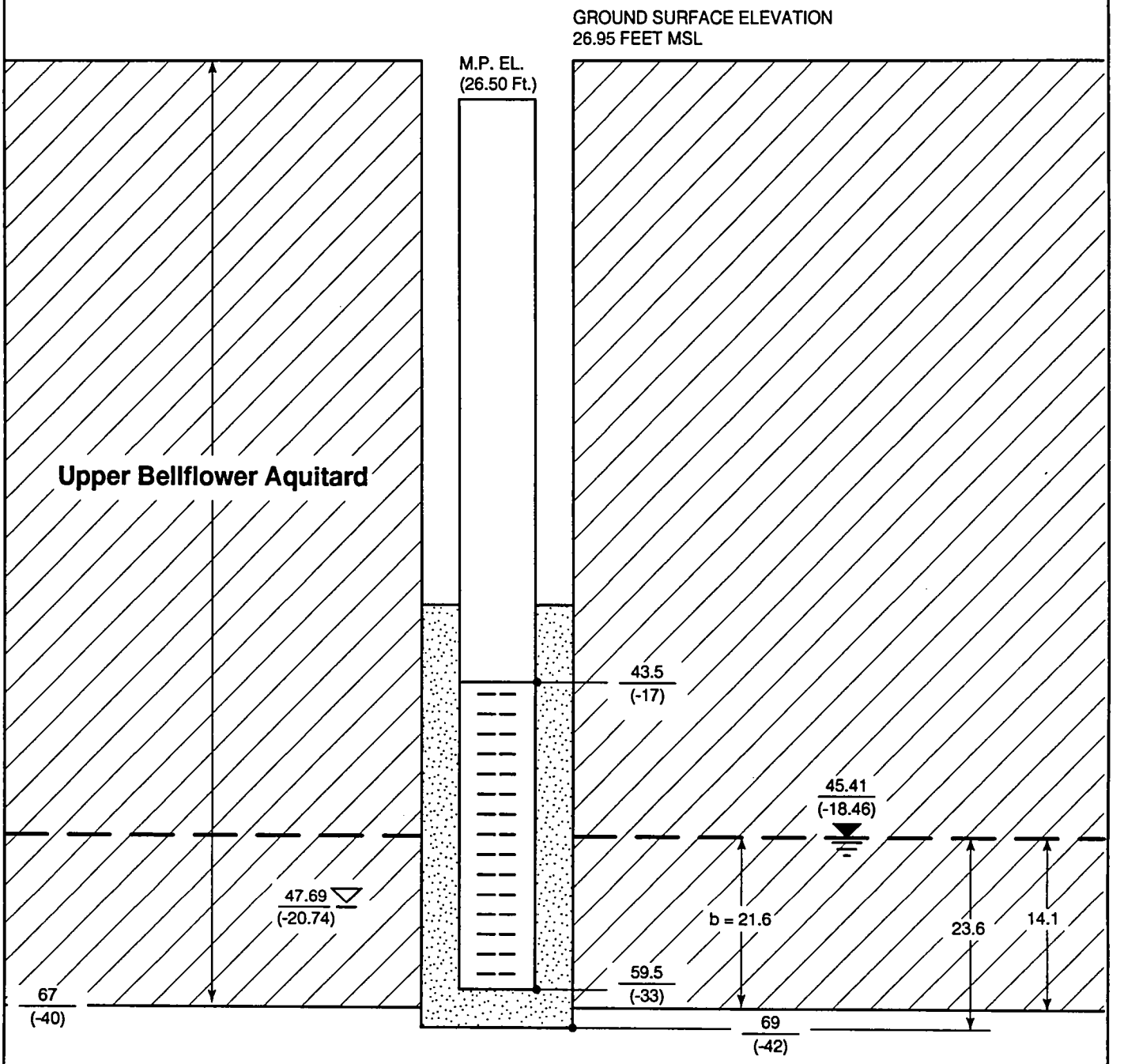
WELL SWL0006



Middle Bellflower B/C Sand

Explanation:

45.41 / (-18.46)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 21.6	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0006

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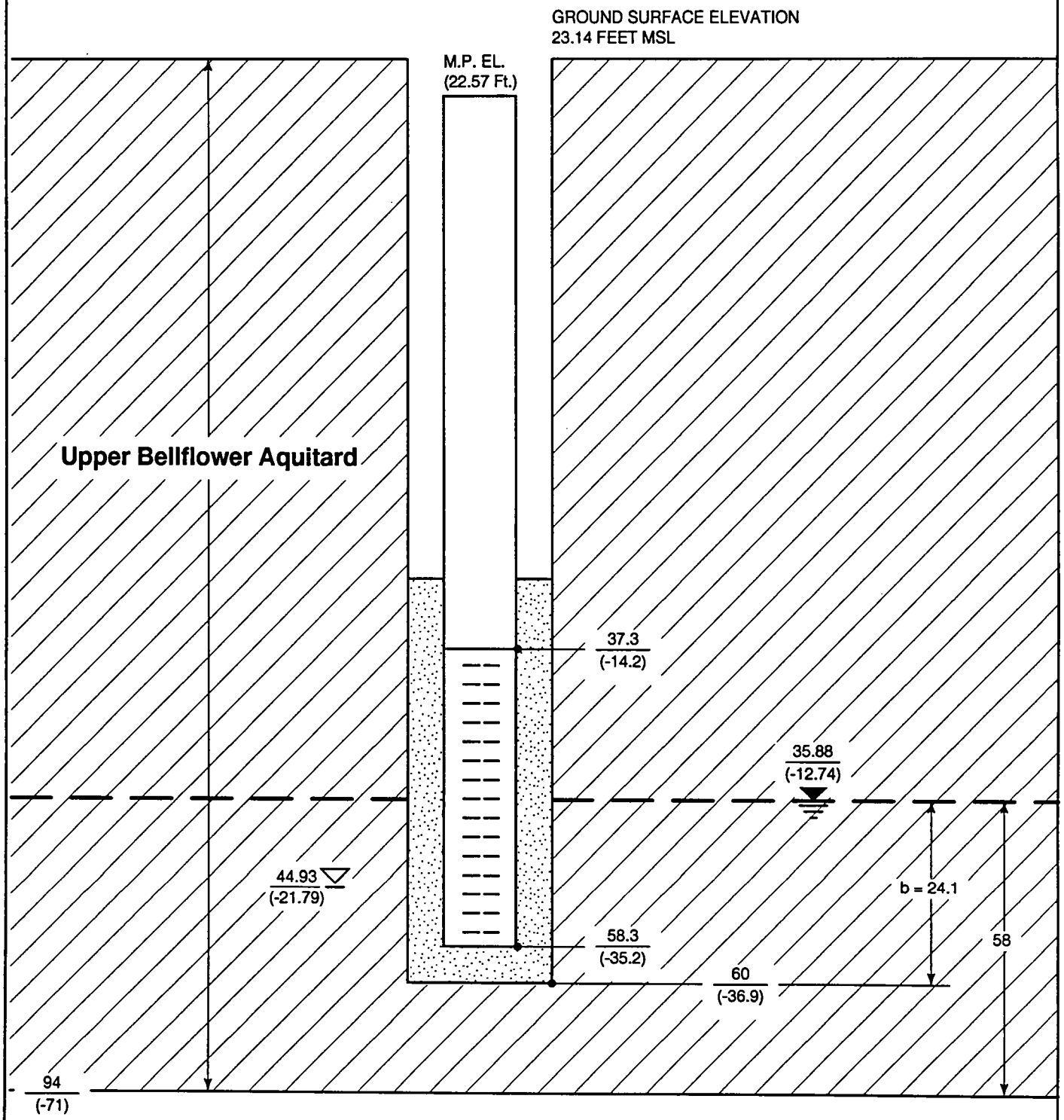
WELL SWL0009



Middle Bellflower B/C Sand

Explanation:

35.88 / (-12.74)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 24.1	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0009

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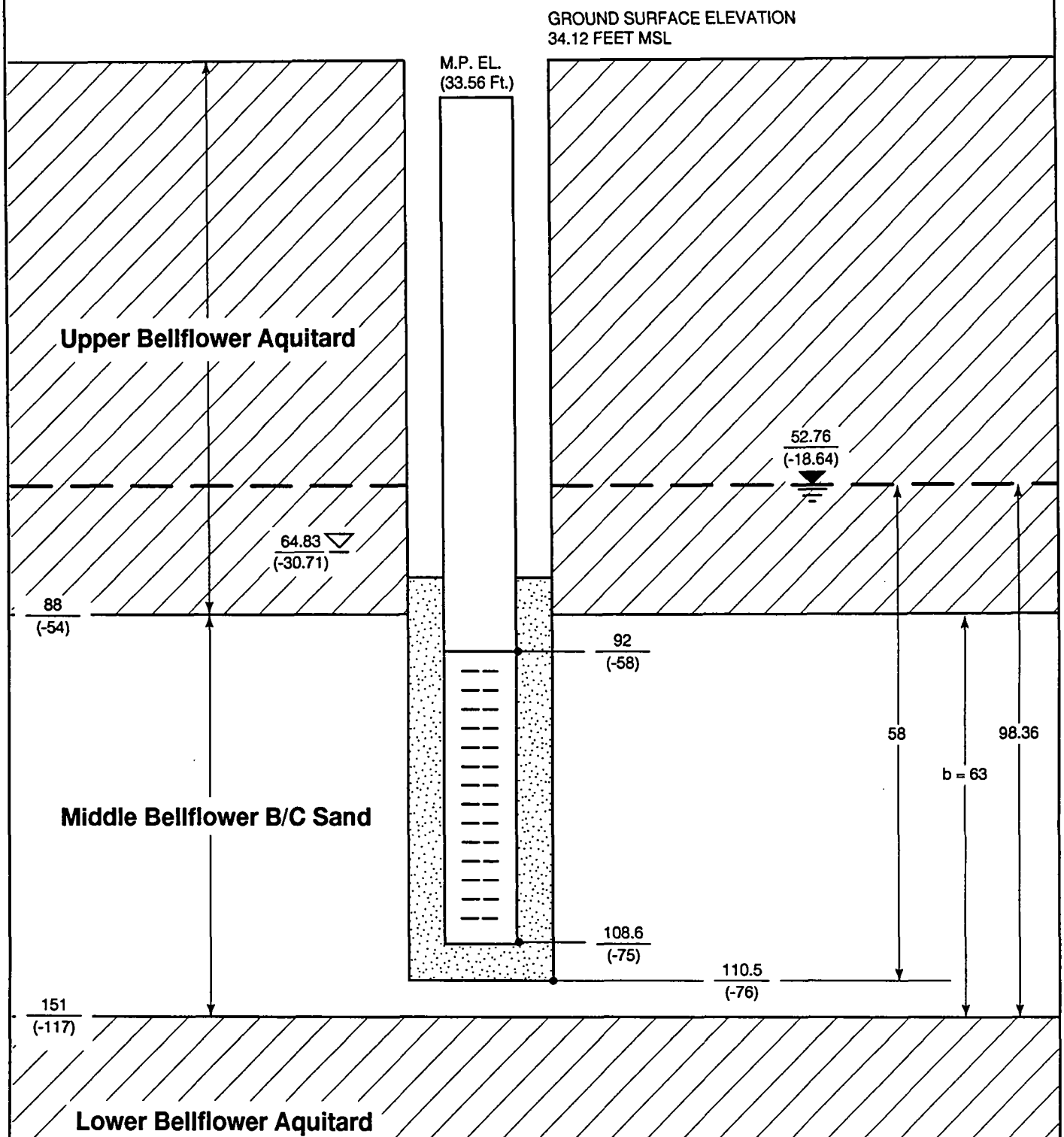
WELL SWL0011



Explanation:

52.76 / (-18.64)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 63	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0011

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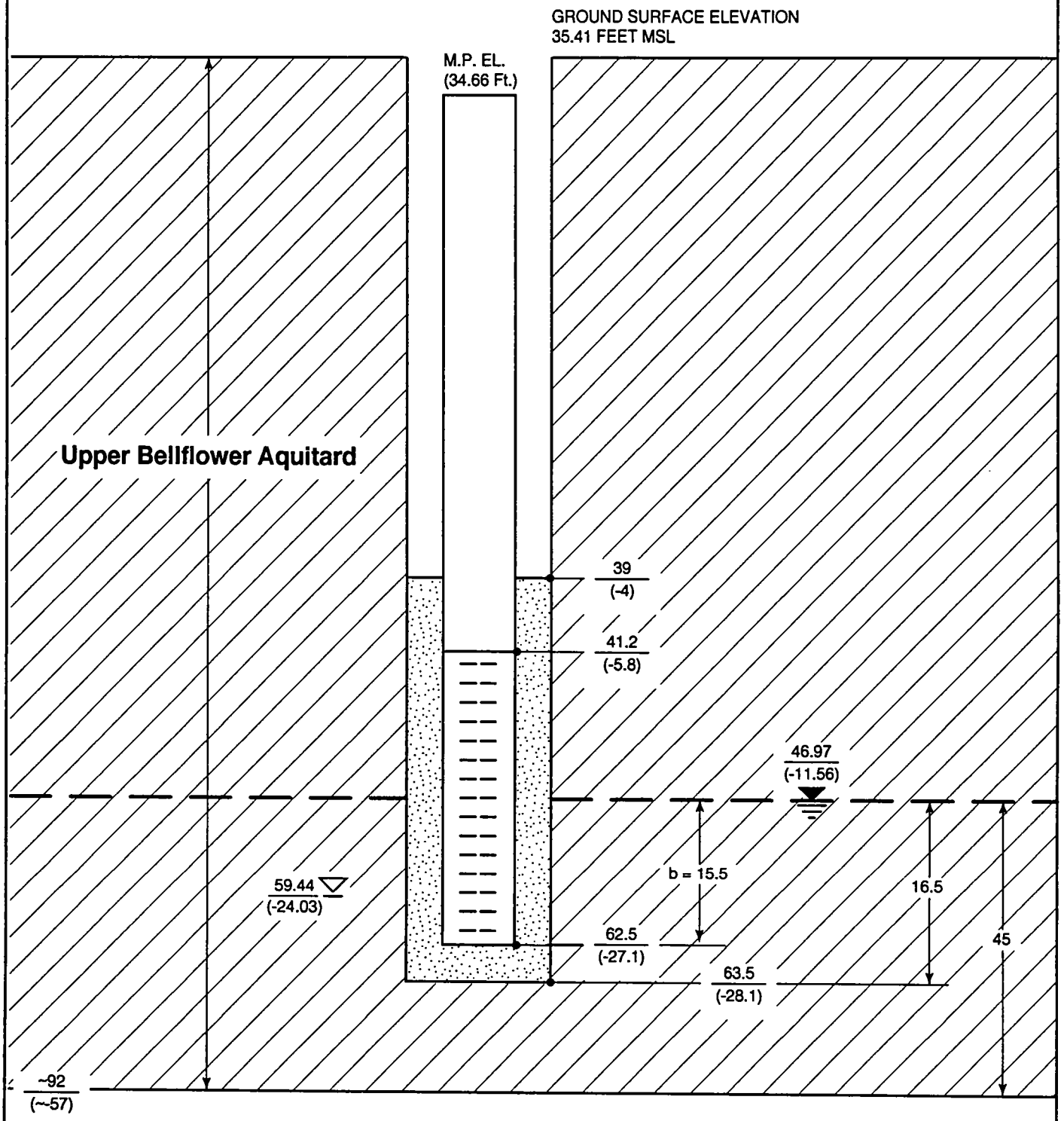
WELL SWL0012



Middle Bellflower B/C Sand

Explanation:

46.97 / (-11.56)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 15.5	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0012

Groundwater Remedial Investigation Report
Del Amo Study Area

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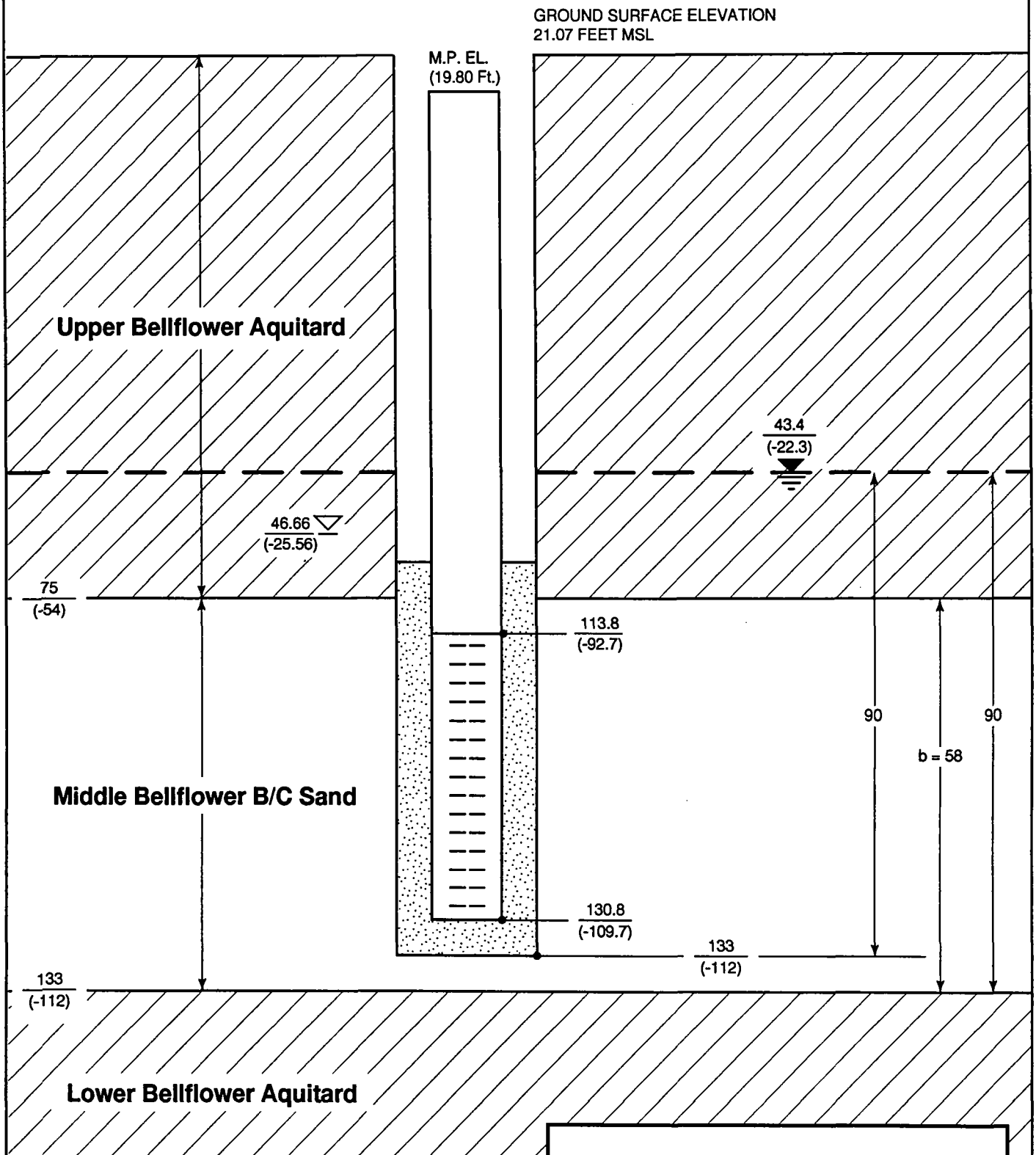
WELL SWL0014



Explanation:

43.4 / (-22.3)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 59	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

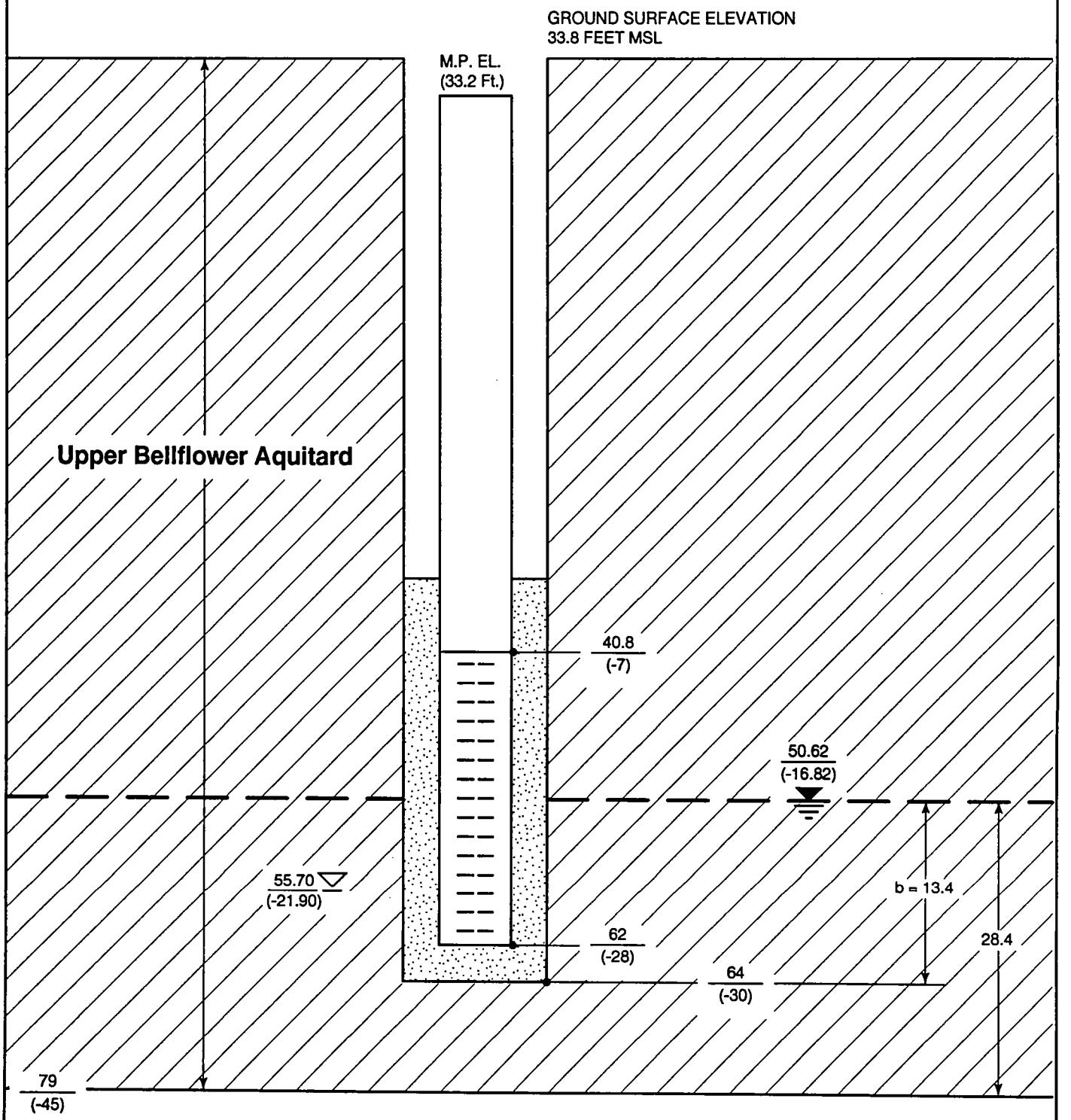
Well Construction Schematic for Well SWL0014

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/088/B

WELL SWL0016



Middle Bellflower B/C Sand

Explanation:

50.62 / (-16.82)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 13.4	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

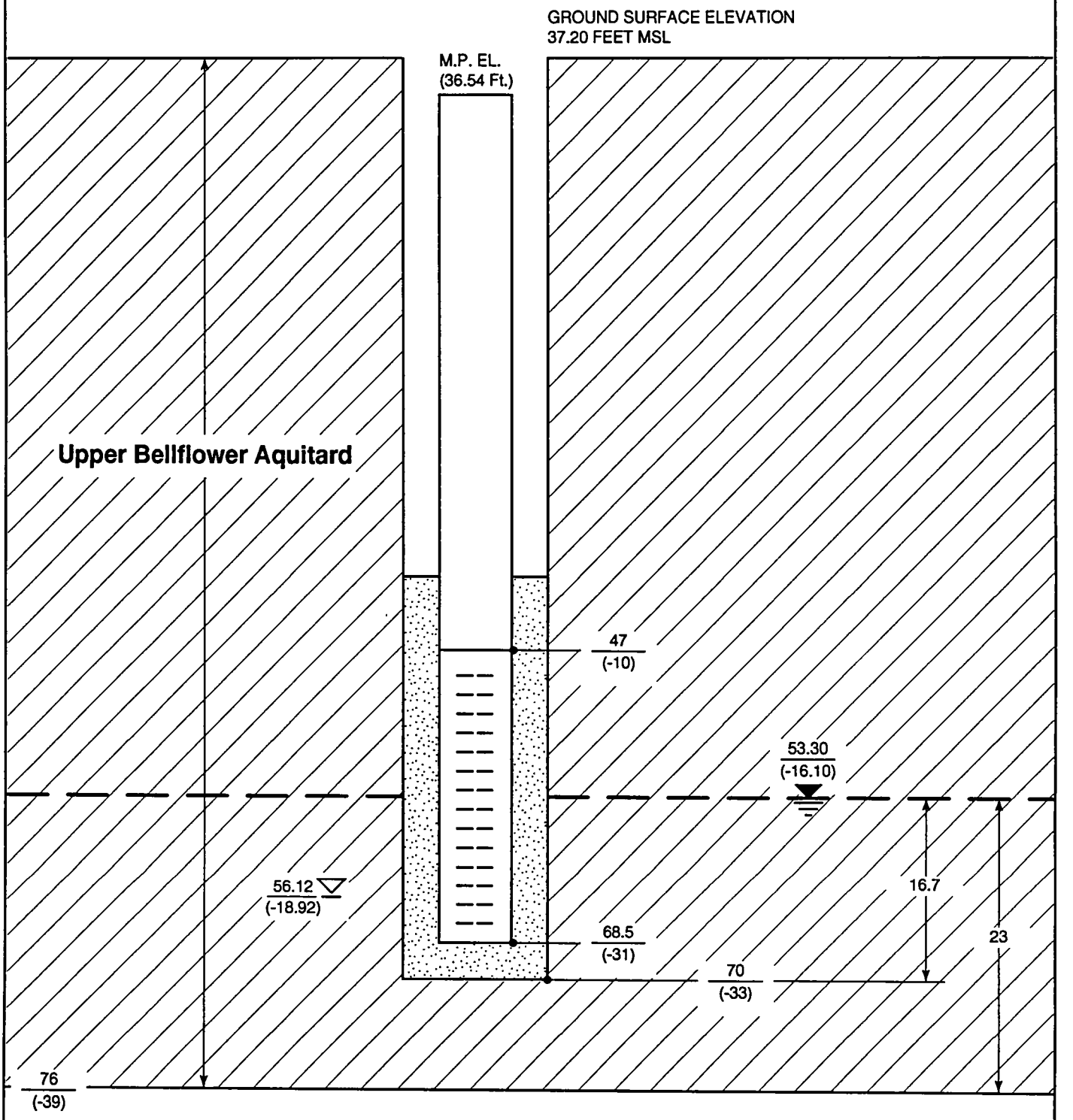
Well Construction Schematic for Well SWL0016

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/089/B

WELL SWL0017



Middle Bellflower B/C Sand

Explanation:

53.30 / (-16.10)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 16.7	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

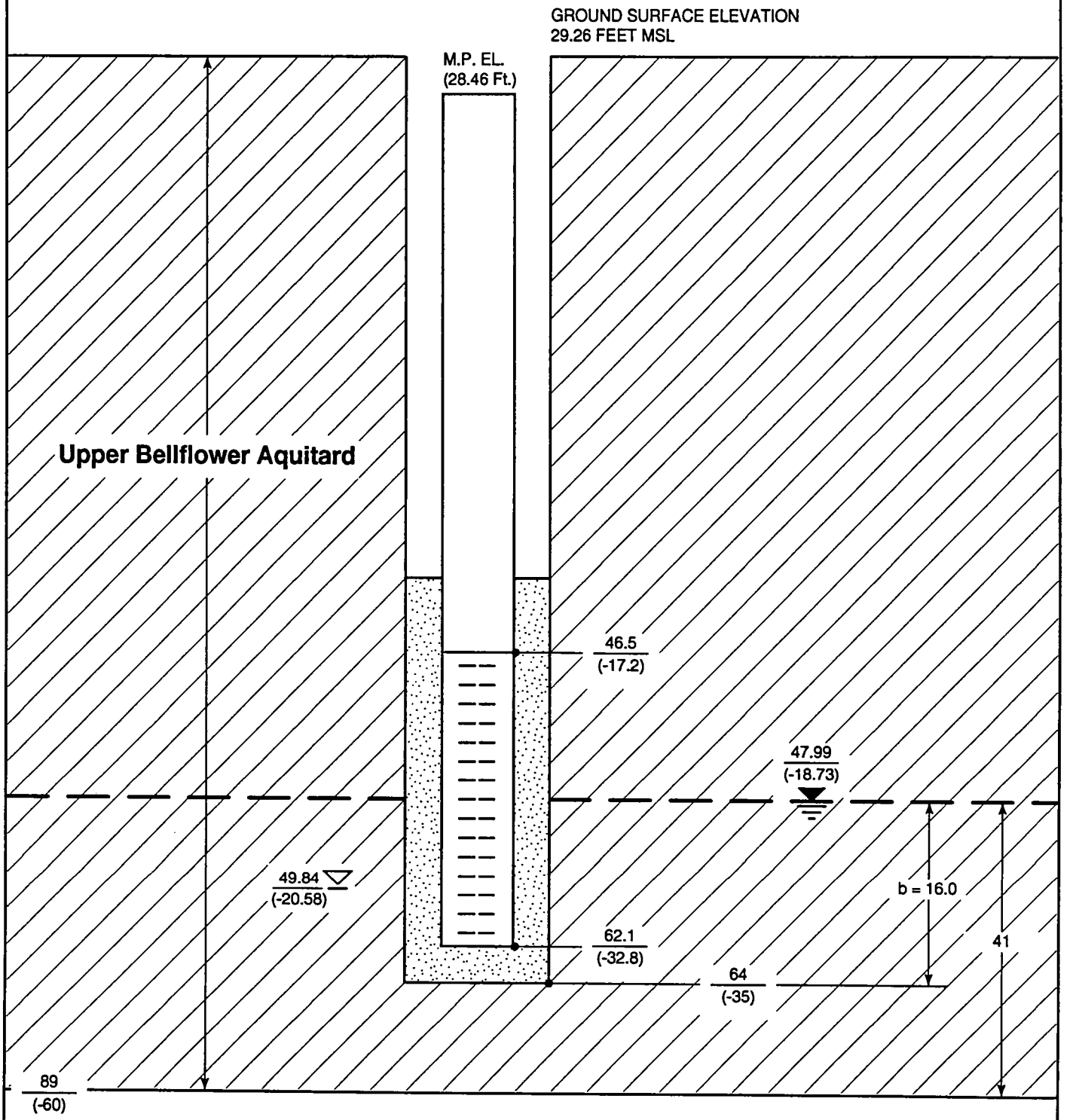
Well Construction Schematic for Well SWL0017

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/090/B

WELL SWL0021



Middle Bellflower B/C Sand

Explanation:

47.99 / (-18.73)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 16.0	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

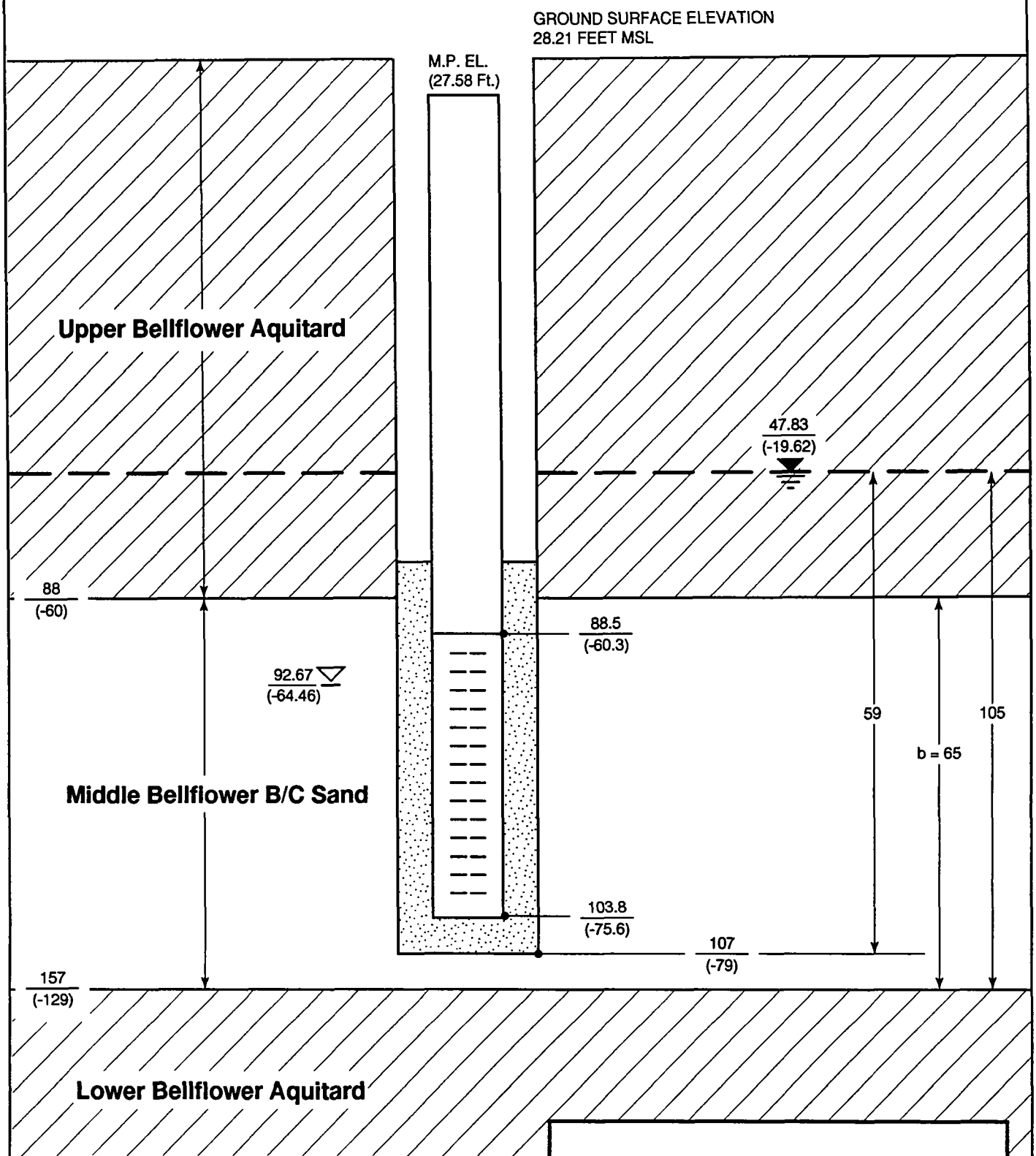
Well Construction Schematic for Well SWL0021

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/091/B

WELL SWL0023



Explanation:

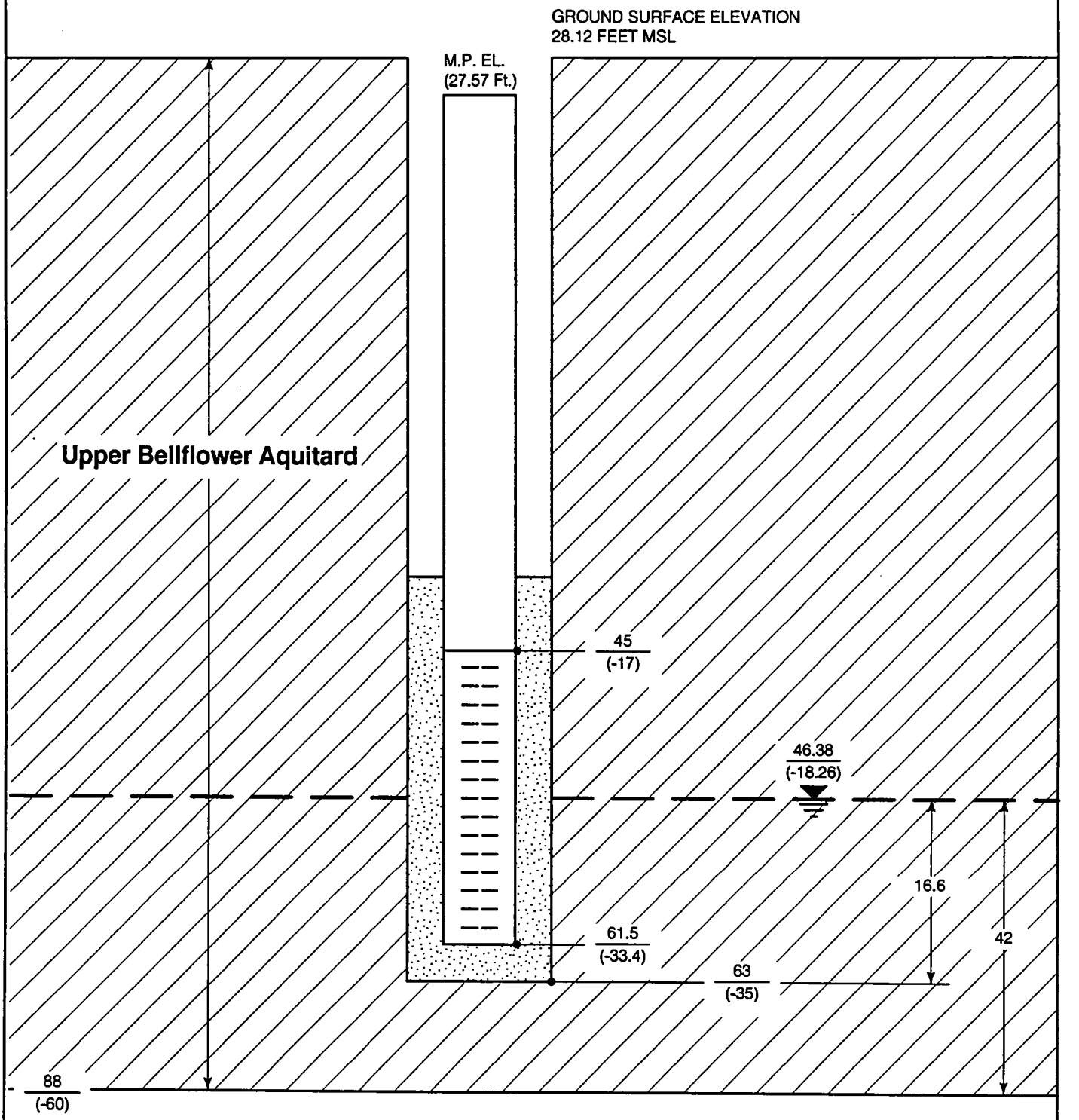
47.83 / (-19.62)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 65	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0023

Groundwater Remedial Investigation Report
Del Amo Study Area

896/092/B

WELL SWL0024



Explanation:

46.38	Depth Below Ground Surface in Feet
(-18.26)	Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test

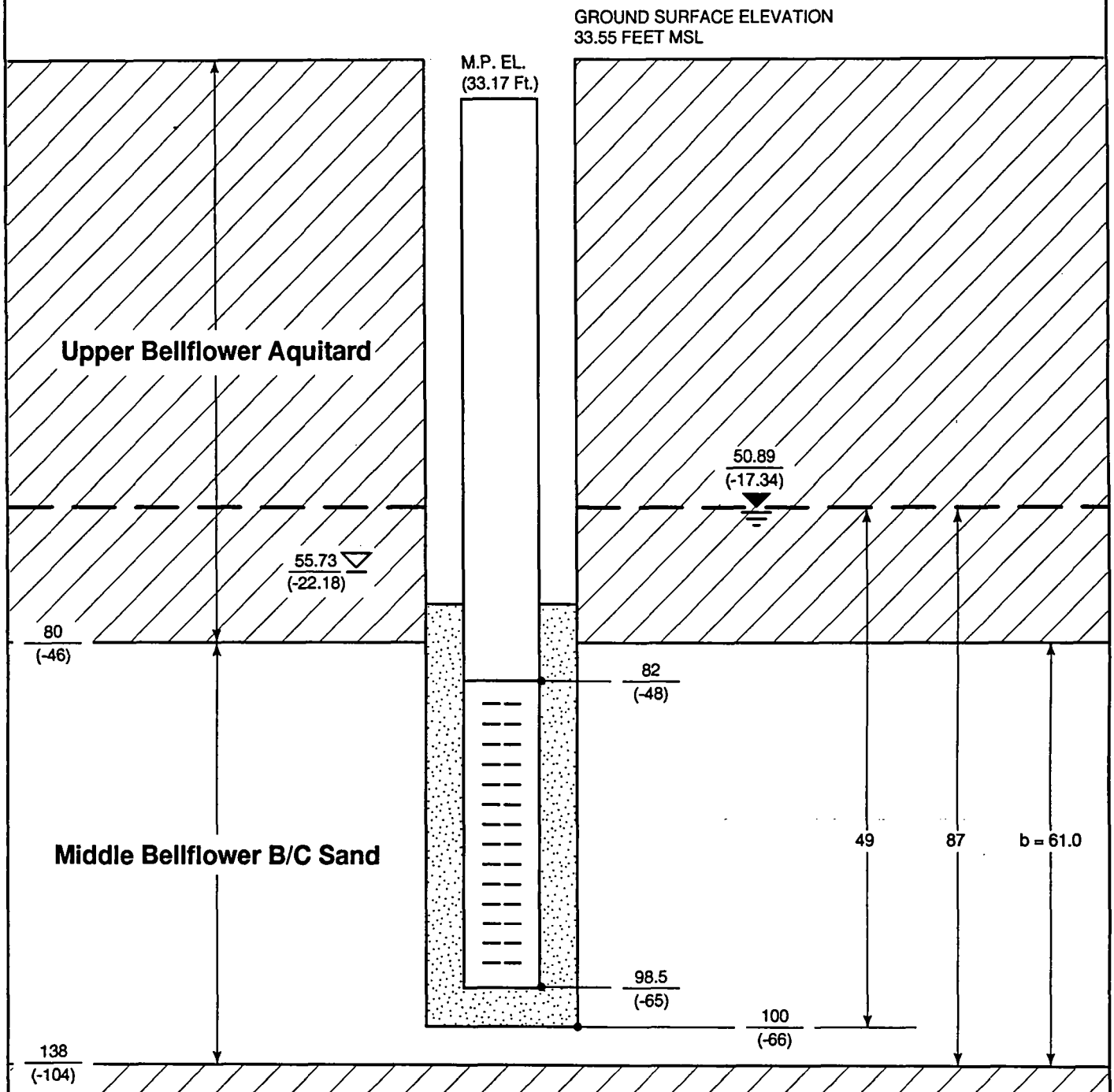
Well Construction Schematic for Well SWL0024

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/093/B

WELL SWL0037



Explanation:

50.85 / (-17.34)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 61.0	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

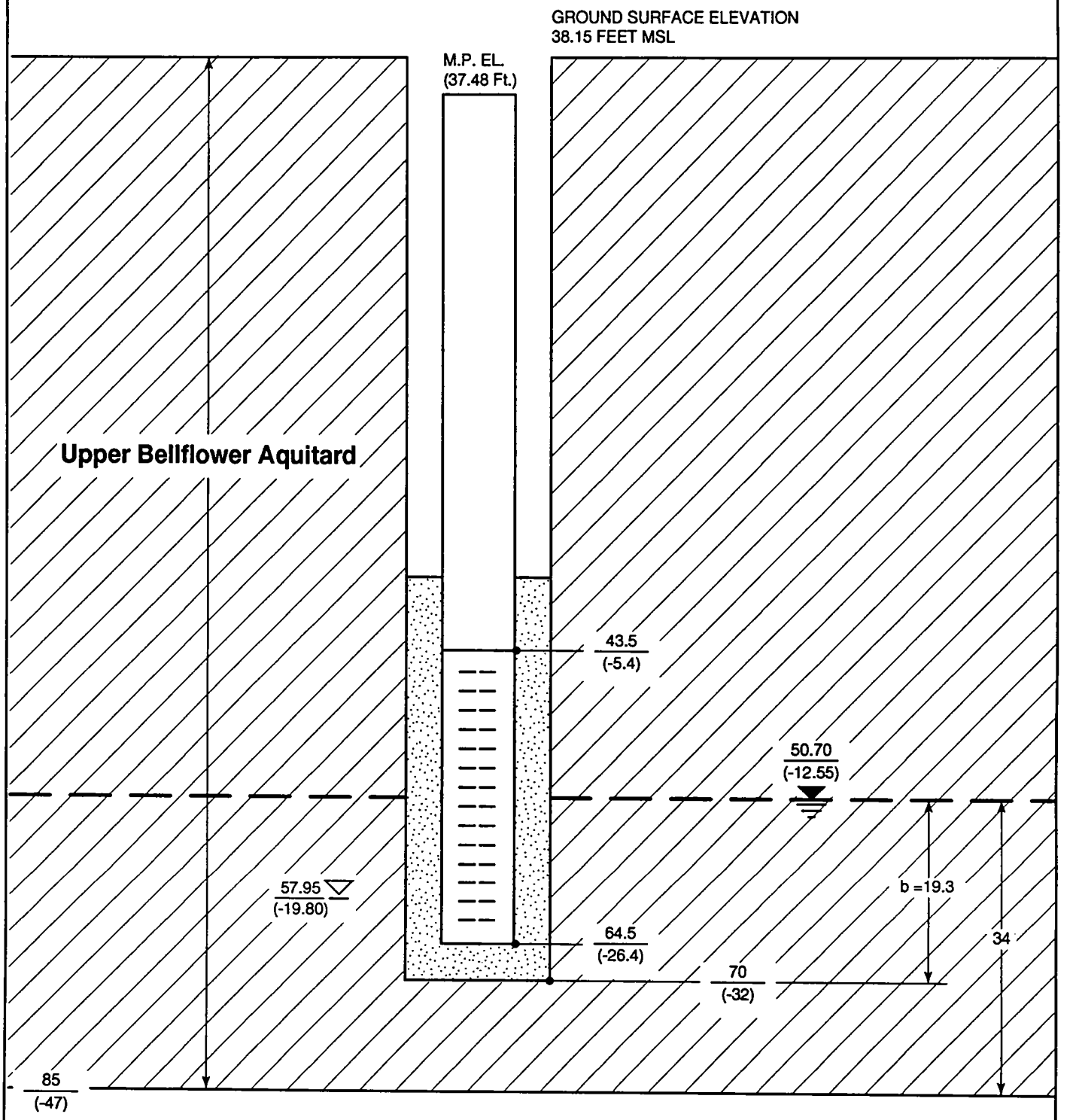
Well Construction Schematic for Well SWL0037

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/094/B

WELL SWL0039



Middle Bellflower B Sand

Explanation:

50.70 / (-12.55)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 19.3	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0039

Groundwater Remedial Investigation Report
Del Amo Study Area

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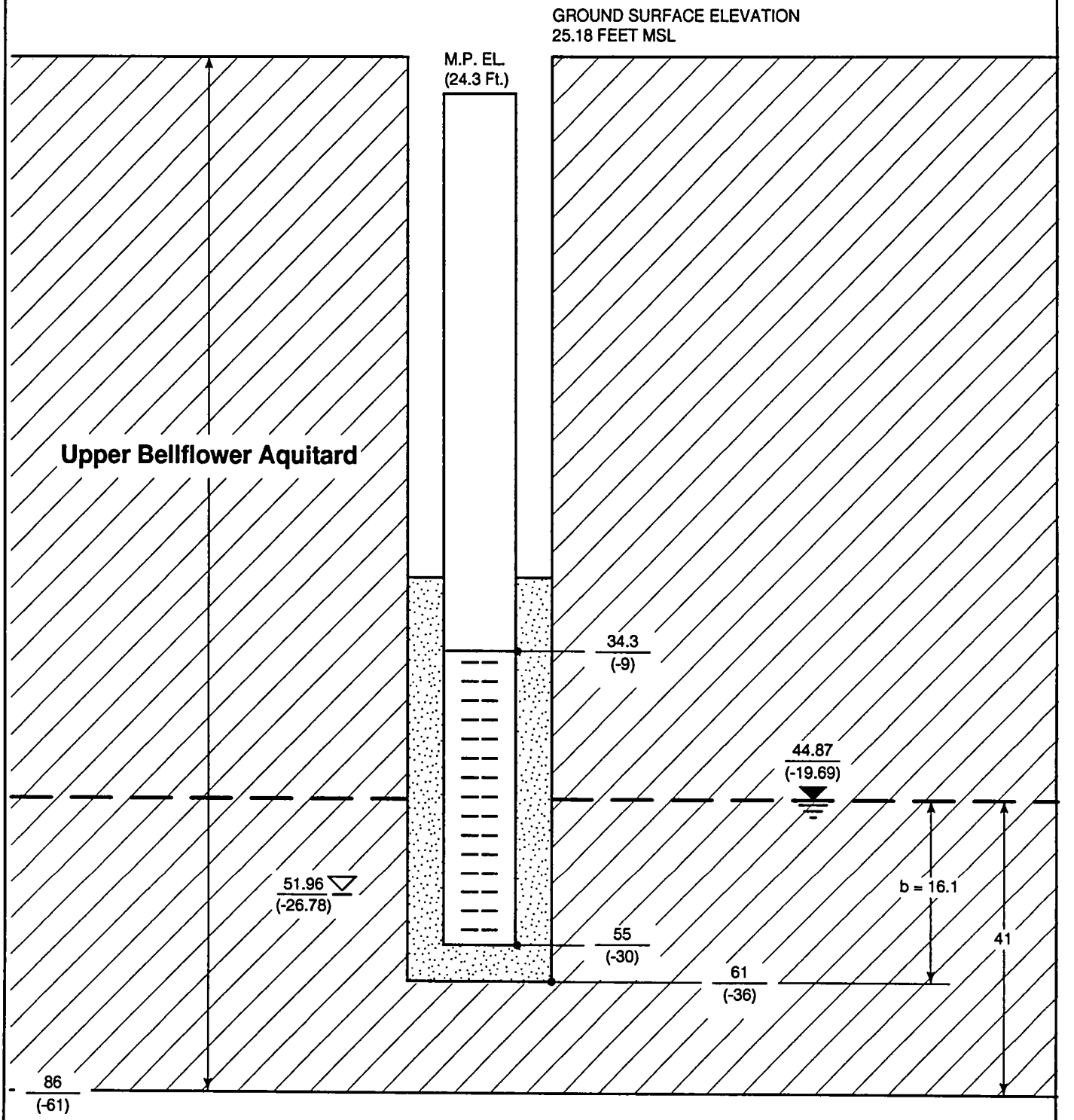
896/095/B

WELL SWL0042



Explanation:

44.87 / (-19.69)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 16.1	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0042

Groundwater Remedial Investigation Report
Del Amo Study Area

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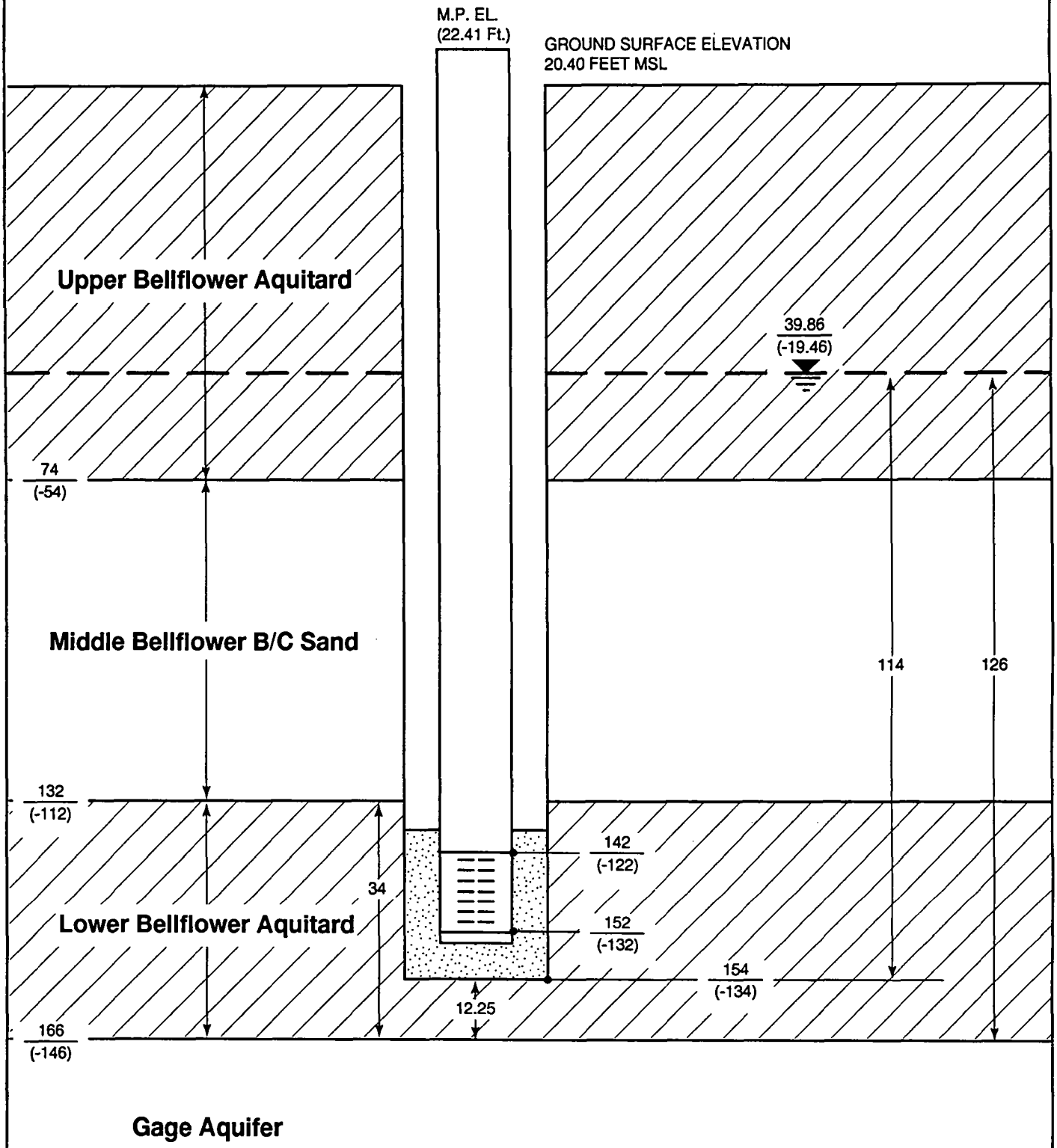
896/096/B

WELL SWL0043



Explanation:

39.86 / (-19.46)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test

Well Construction Schematic for Well SWL0043

Groundwater Remedial Investigation Report
Del Amo Study Area

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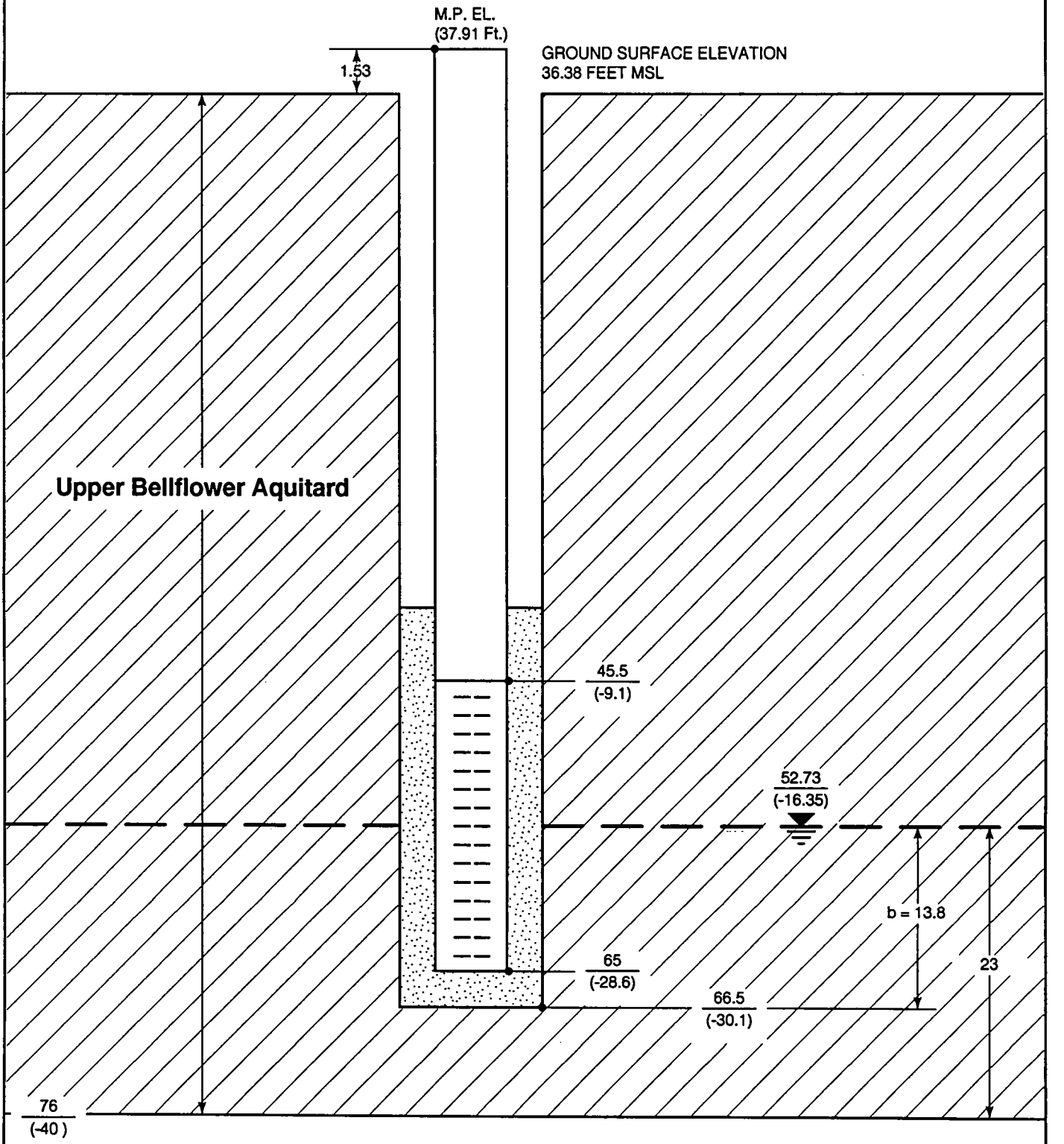
896/097/B

WELL SWL0044



Explanation:

52.73 / (-16.54)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
b = 13.8	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

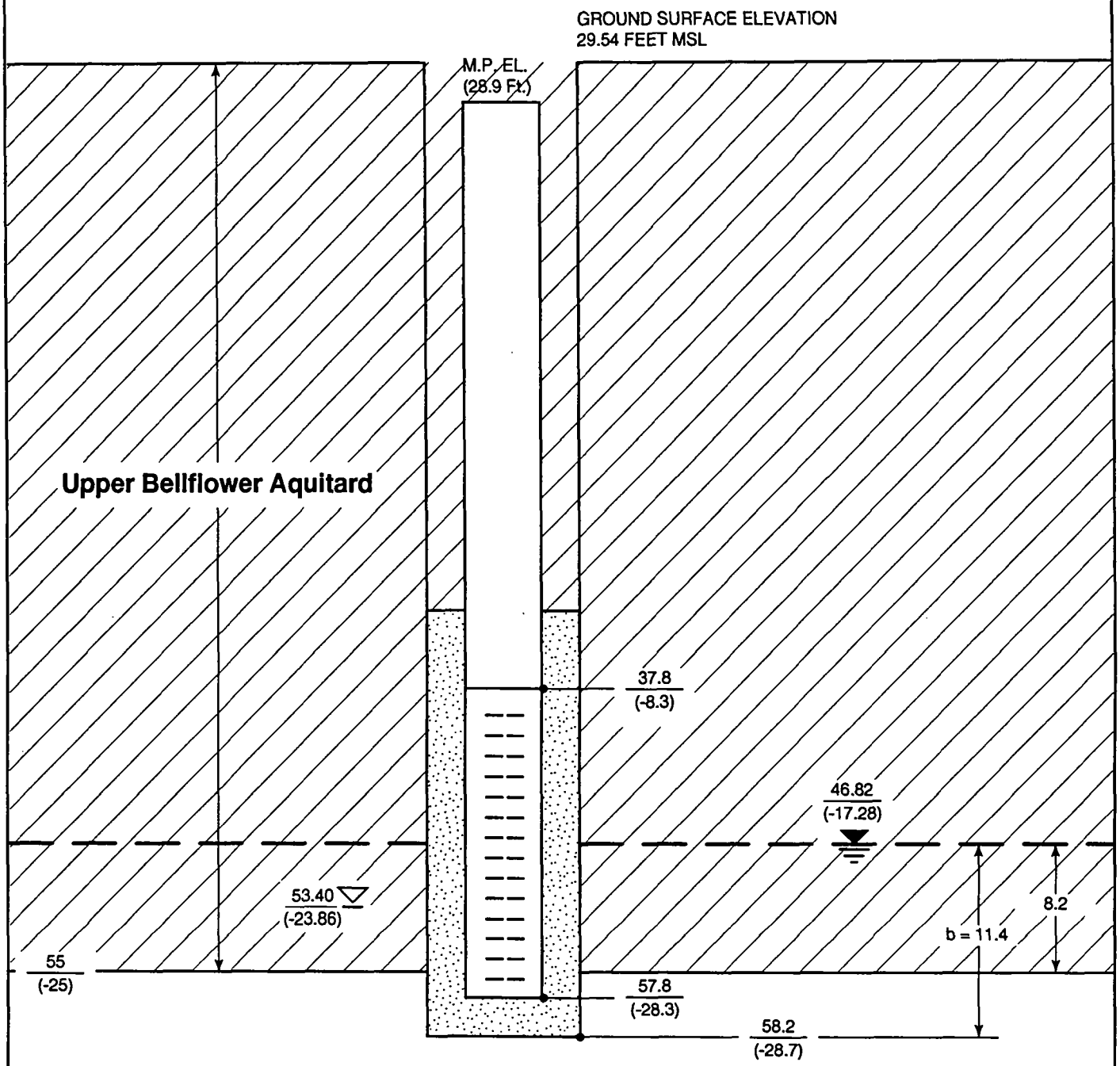
Well Construction Schematic for Well SWL0044

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/098/B

WELL SWL0046



Explanation:

46.82 / (-17.28)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 11.4	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0046

Groundwater Remedial Investigation Report
Del Amo Study Area

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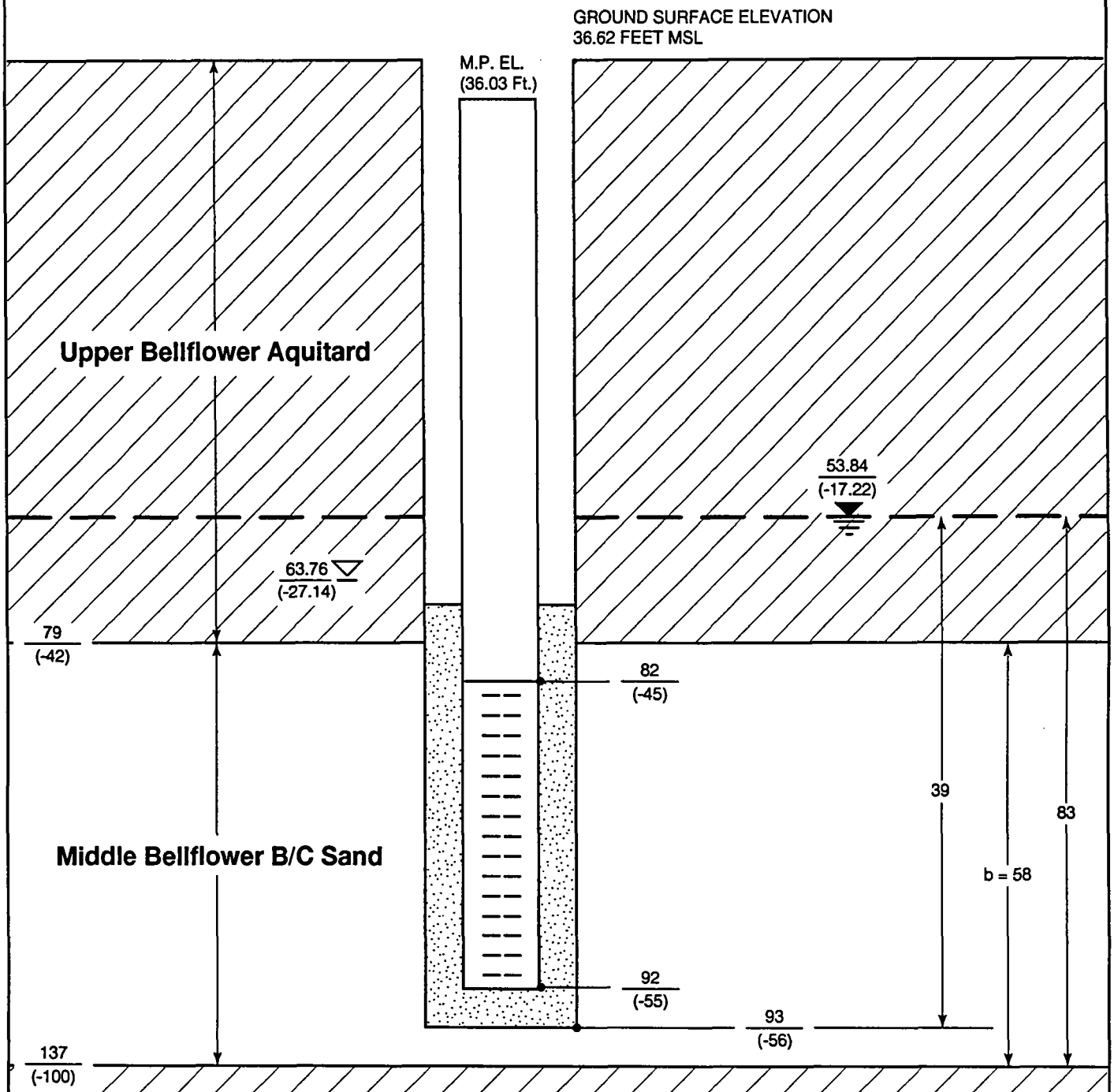
8896/081/B

WELL SWL0047



Explanation:

53.84 / (-17.22)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 58	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

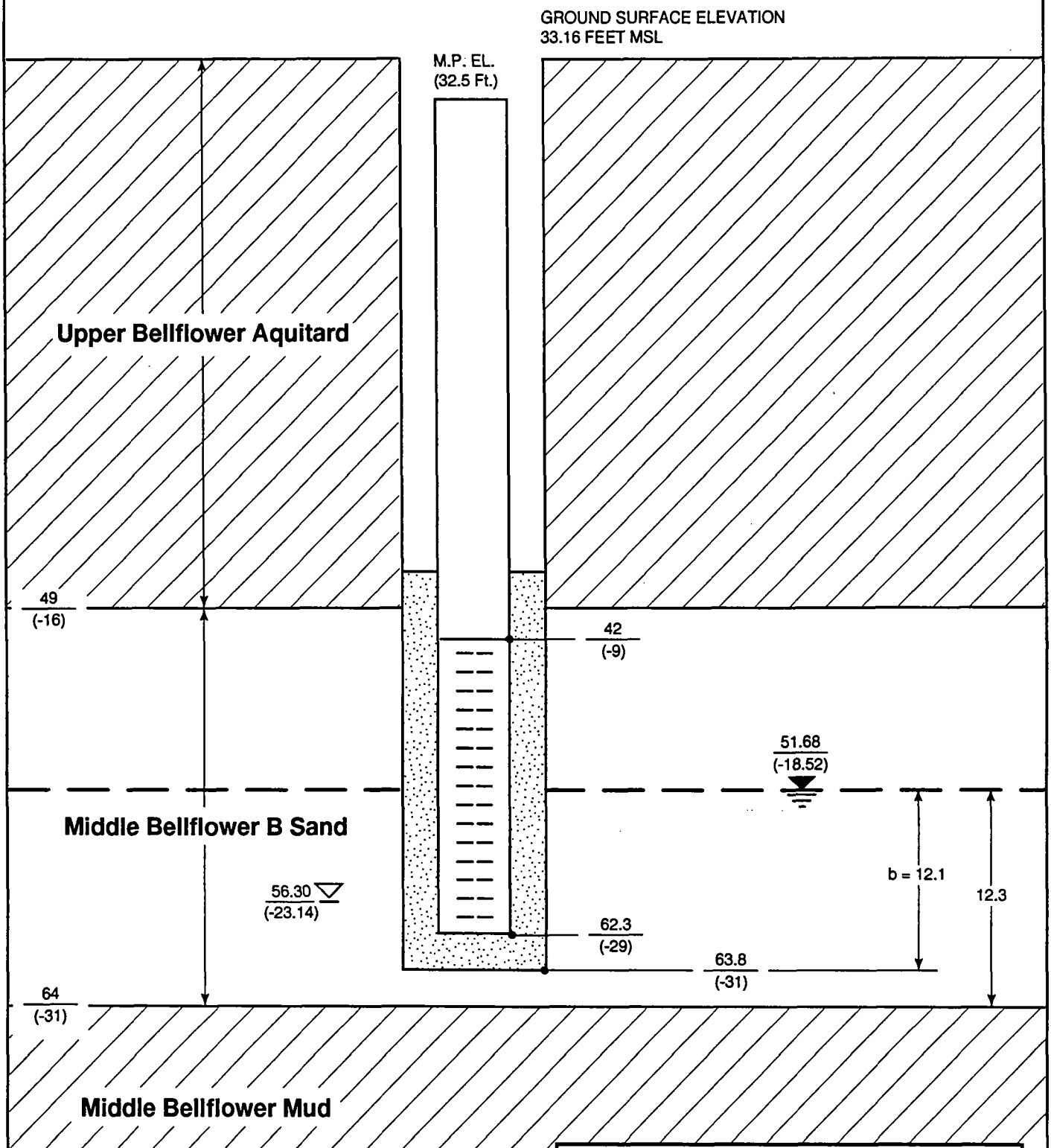
Well Construction Schematic for Well SWL0047

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/099/B

WELL SWL0049



Explanation:

51.68 / (-18.52)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 12.1	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

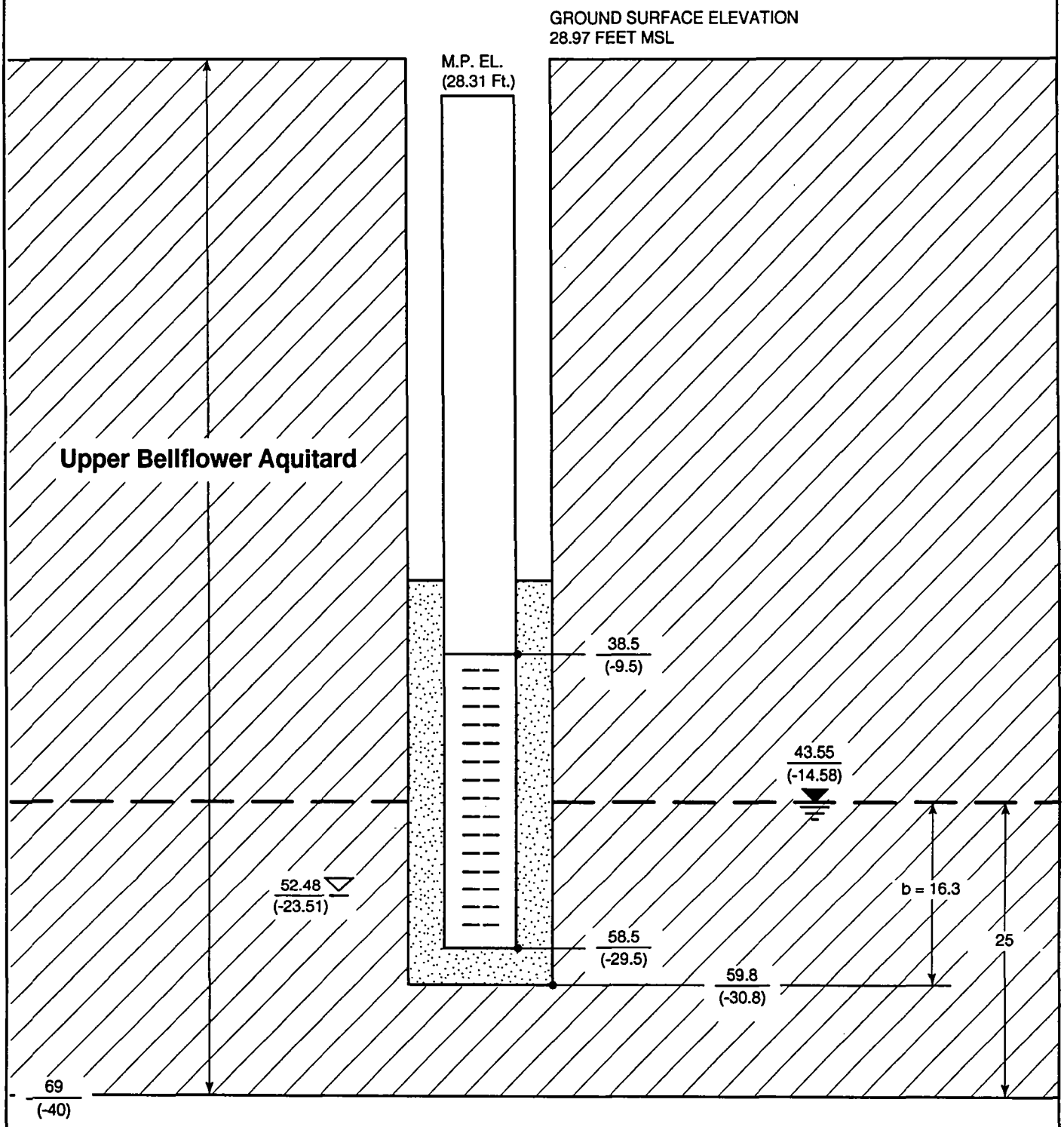
Well Construction Schematic for Well SWL0049

Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

896/100/B

WELL SWL0057



Explanation:

43.55 / (-14.58)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 16.3	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well SWL0057

Groundwater Remedial Investigation Report
Del Amo Study Area

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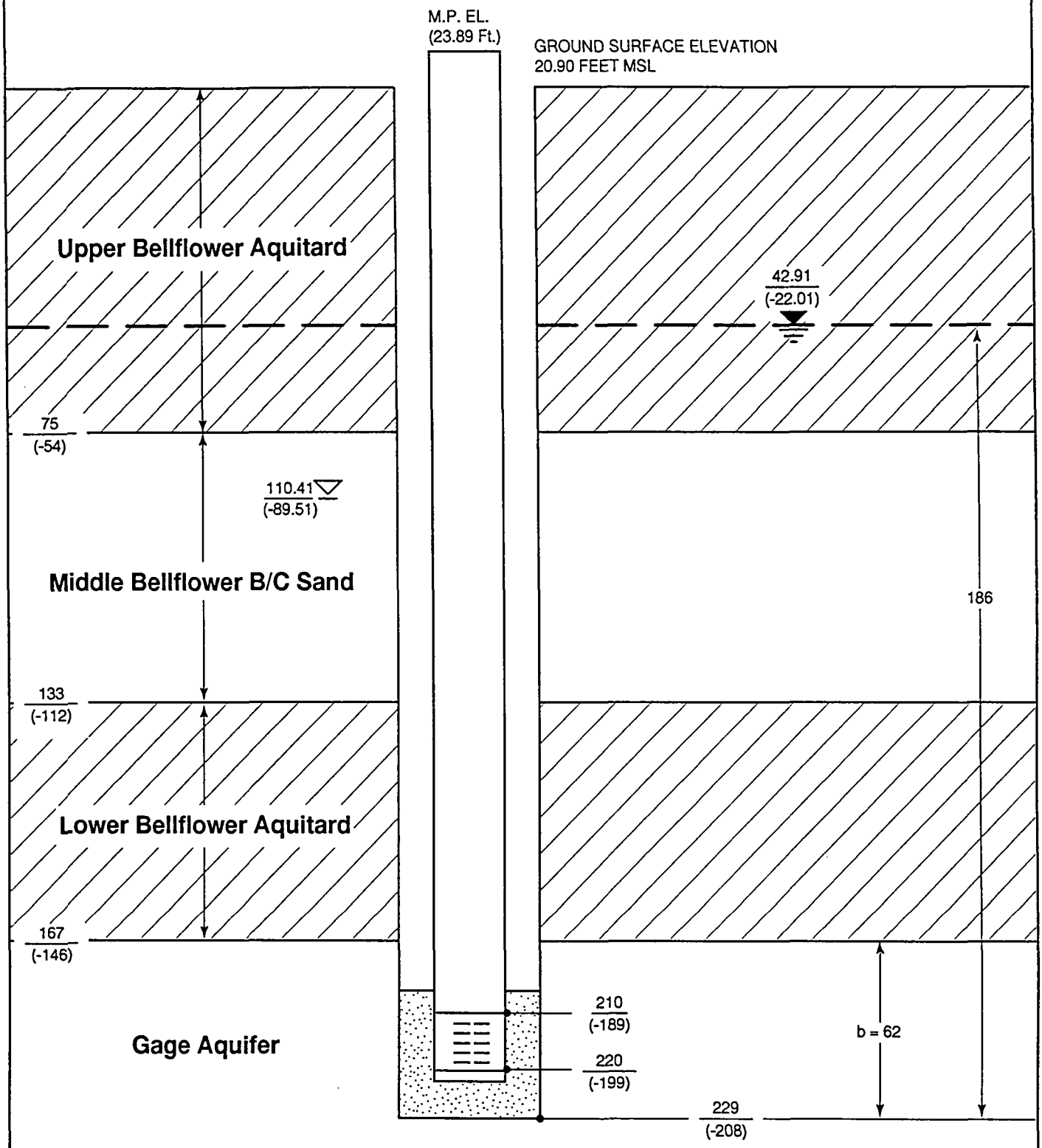
896/102/B

WELL XDA-1B



Explanation:

45.90 / (-22.01)	Depth Below Ground Surface in Feet / Elevation in Feet MSL (Mean Sea Level)
▼	Static Water Level Immediately Prior to Start of Aquifer Test
▽	Final Pumping Water Level
b = 62	Aquifer Thickness (feet) used for Calculation of Hydraulic Conductivity

Well Construction Schematic for Well XDA-1B

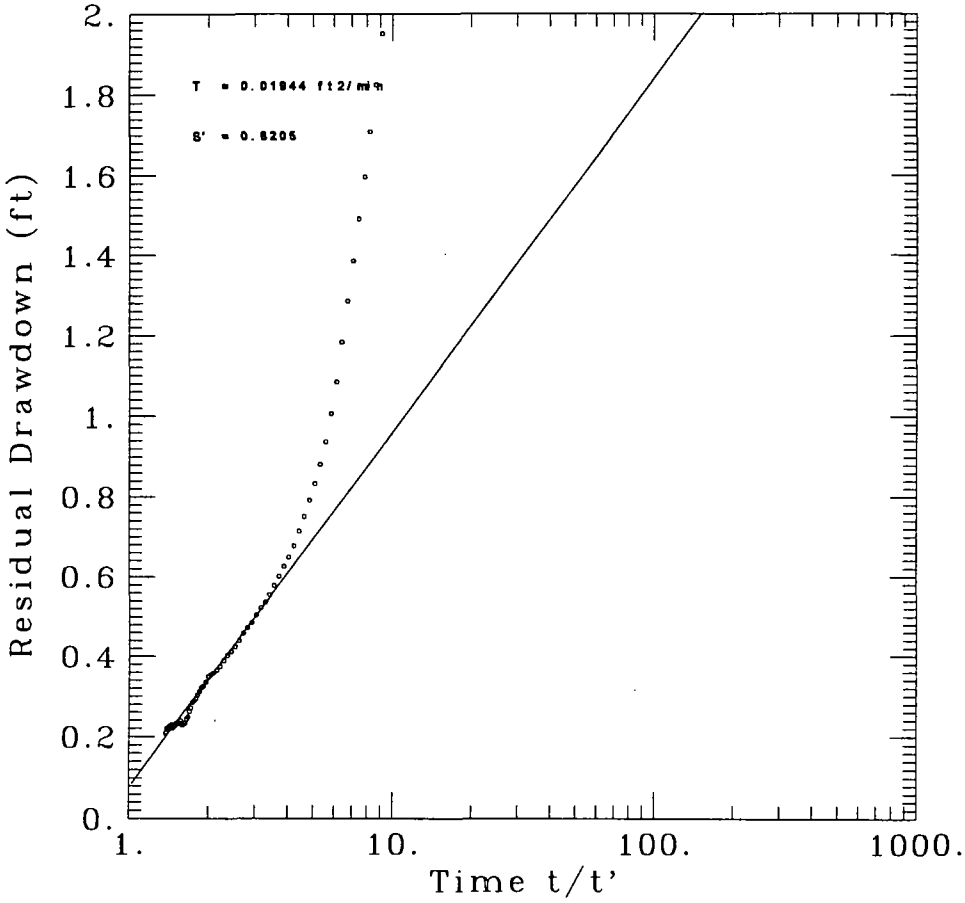
Groundwater Remedial Investigation Report
Del Amo Study Area

DAMES & MOORE

APPENDIX H3

THEIS RECOVERY TEST ANALYSES AND SLUG TEST ANALYSIS PLOTS

SWL0005 Recovery Analysis 2/29/96



SWL0005 Upper Bellflower Aquitard
Theis Recovery Analysis for test on 2/29/96
Q = 0.70 gpm for 342 minutes
T = 0.02 ft^2/minute
b = 17.6 feet
K = 1.6 feet/day

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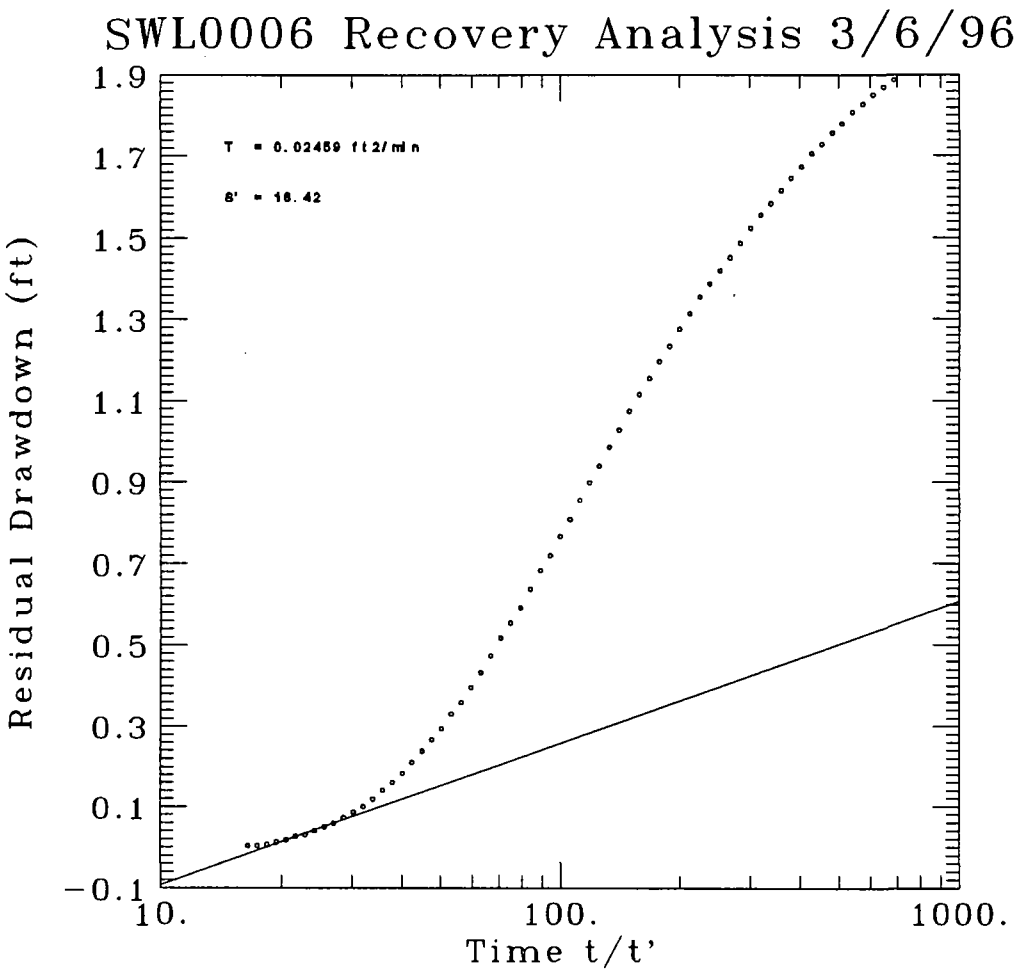
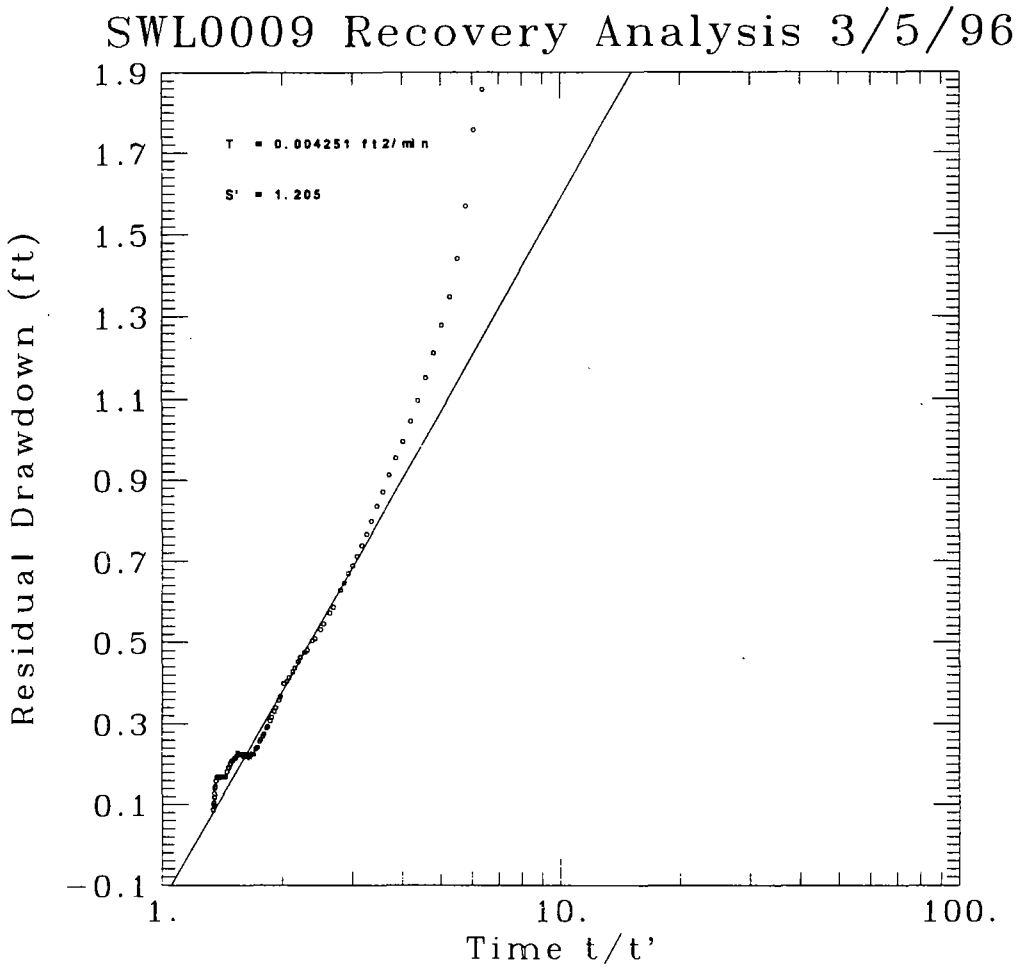
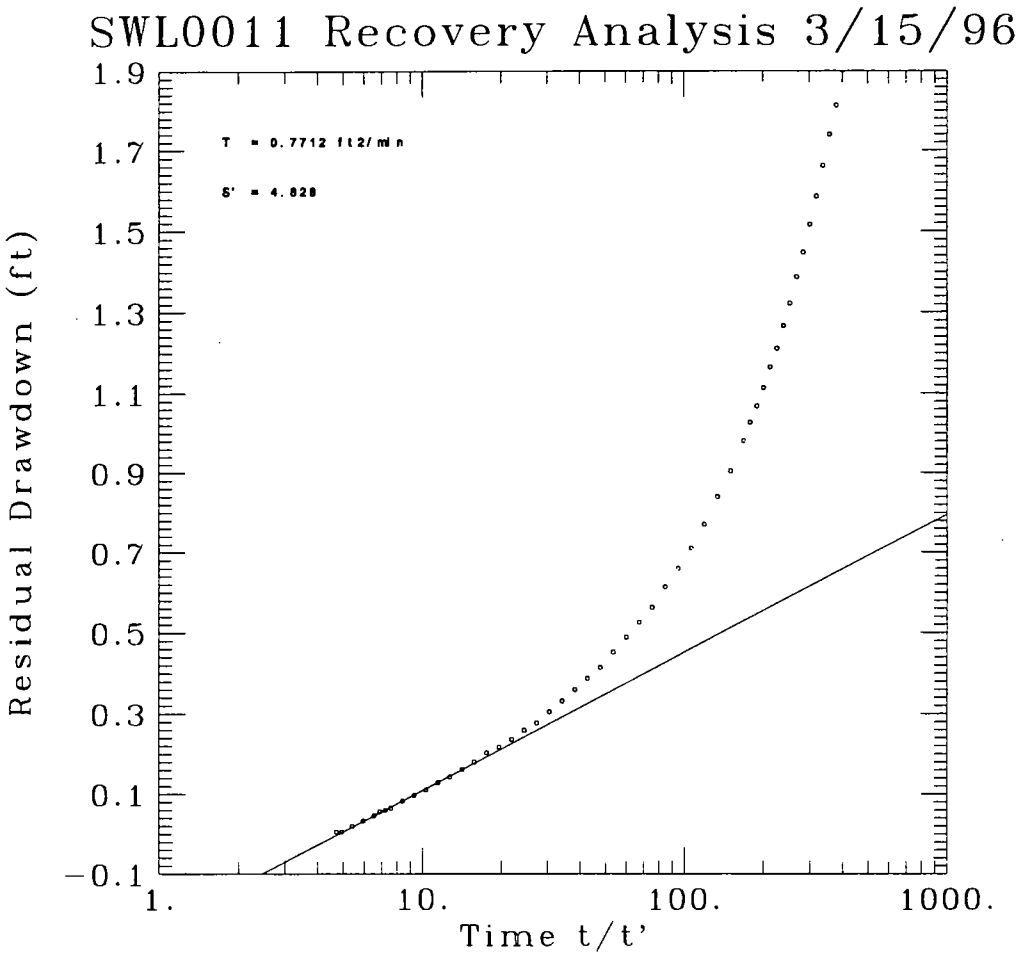


SWL0006 Upper Bellflower Aquitard
Theis Recovery Analysis for test on 3/6/96
Q = 0.35 gpm for 733 minutes
T = 0.025 ft^2/minute
b = 21.6 feet
K = 1.7 feet/day

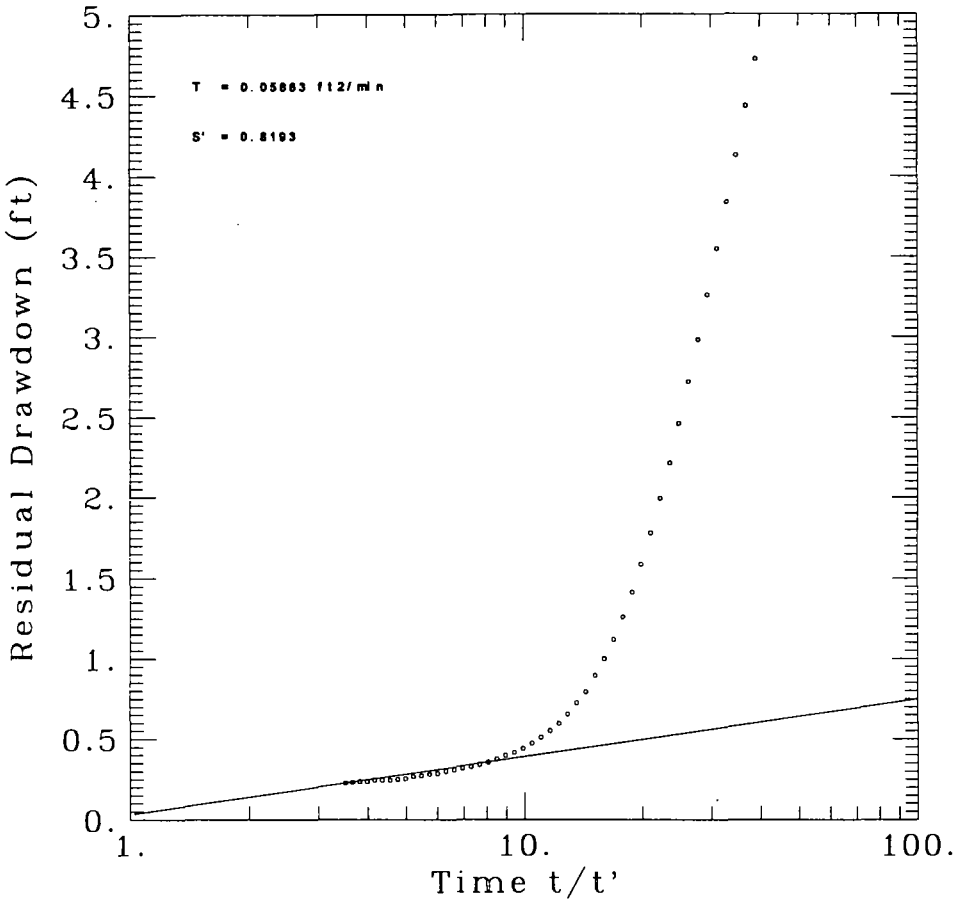


SWL0009 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 3/5/96
Q = 0.30 gpm for 800 minutes
T = 0.004 ft^2/minute
b = 24.1 feet
K = 0.2 feet/day



SWL0011 Middle Bellflower B Sand
Theis Recovery Analysis for Test on 3/15/96
Q = 10.8 gpm for 740 minutes
T = 0.77 ft^2/minute
b = 63 feet
K = 18 feet/day

SWL0012 Recovery Analysis 3/13/96



SWL0012 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 3/13/96
Q = 0.86 gpm for 353 minutes
T = 0.059 ft^2/minute
b = 16.5 feet
K = 5.2 feet/day

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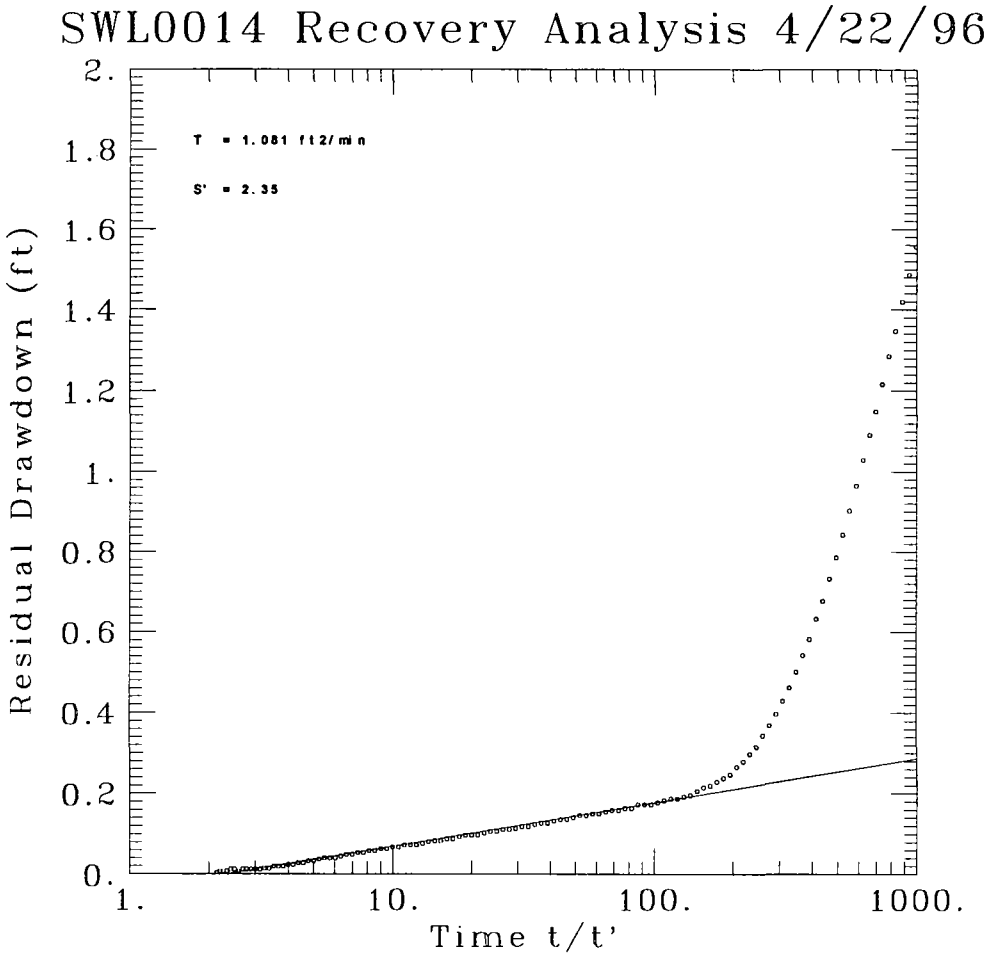

SWL0014 Middle Bellflower C Sand
Theis Recovery Analysis for Test on 4/22/96
Q = 4.8 gpm for 356 minutes
T = 1.1 ft^2/minute
b = 58 feet
K = 27 feet/day

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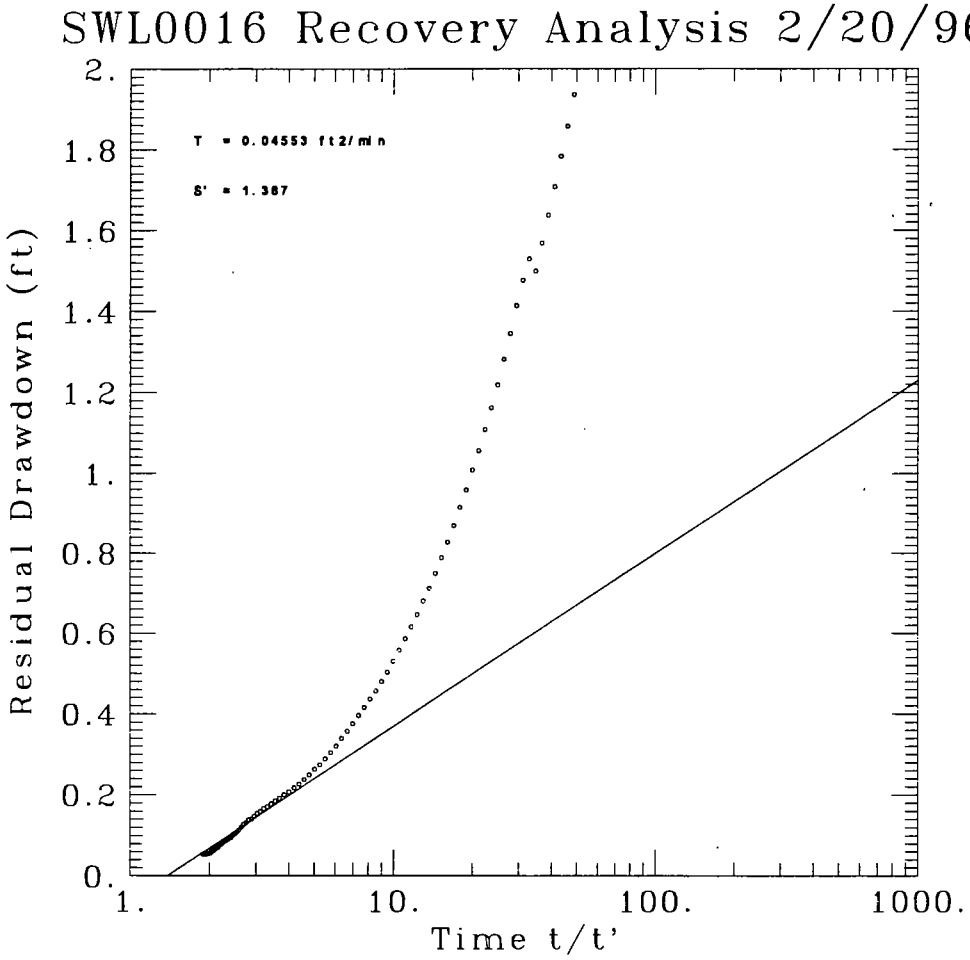

SWL0016 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 2/20/96
Q = 0.80 gpm for 754 minutes
T = 0.046 ft^2/minute
b = 13.4 feet
K = 4.9 feet/day

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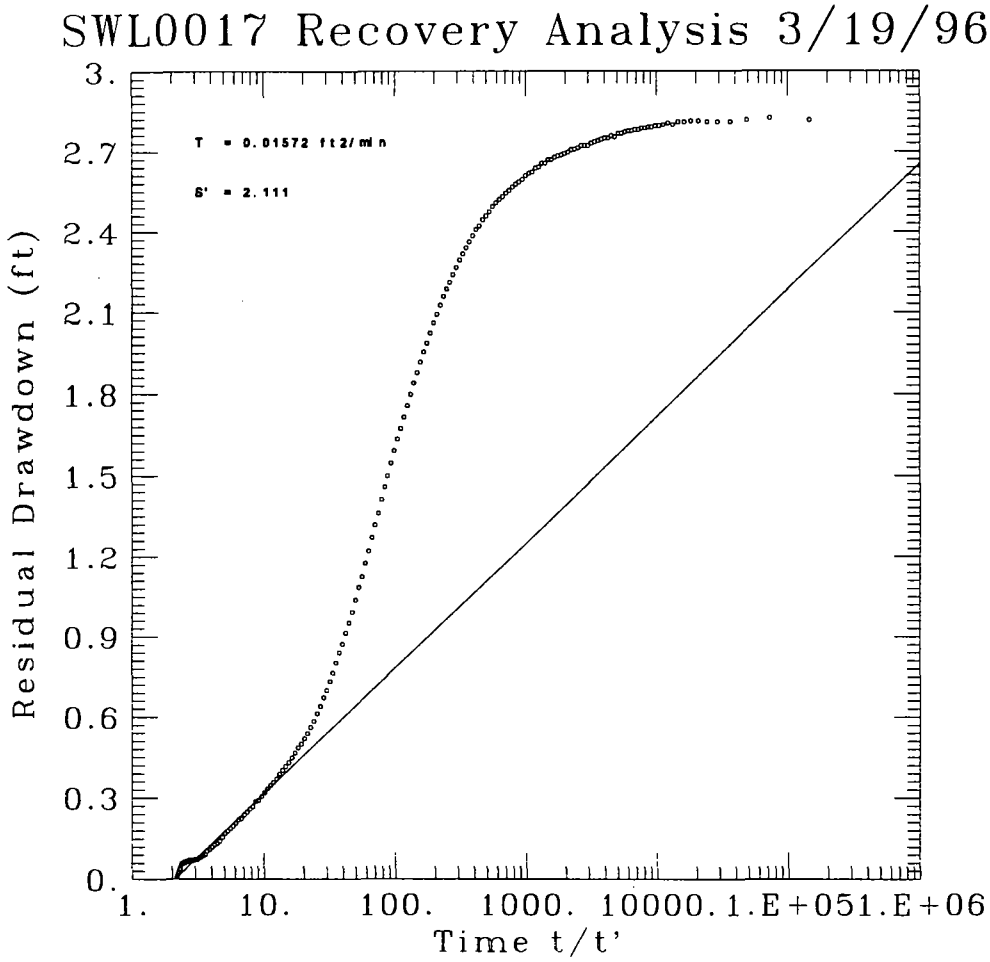

SWL0017 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 3/19/96
Q = 0.3 gpm for 725 minutes
T = 0.016 ft^2/minute
b = 16.7 feet
K = 1.4 feet/day

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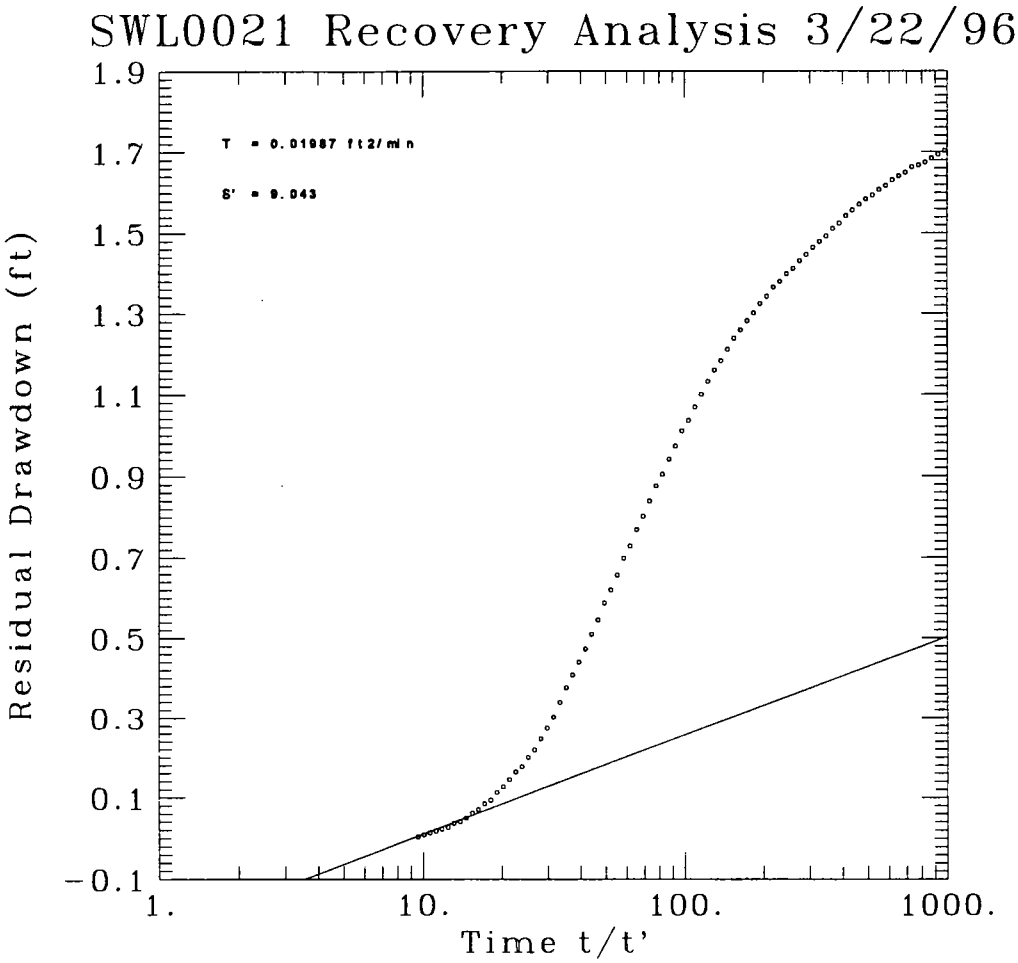

SWL0021 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 3/22/96
Q = 0.2 gpm for 720 minutes
T = 0.02 ft^2/minute
b = 16 feet
K = 1.8 feet/day

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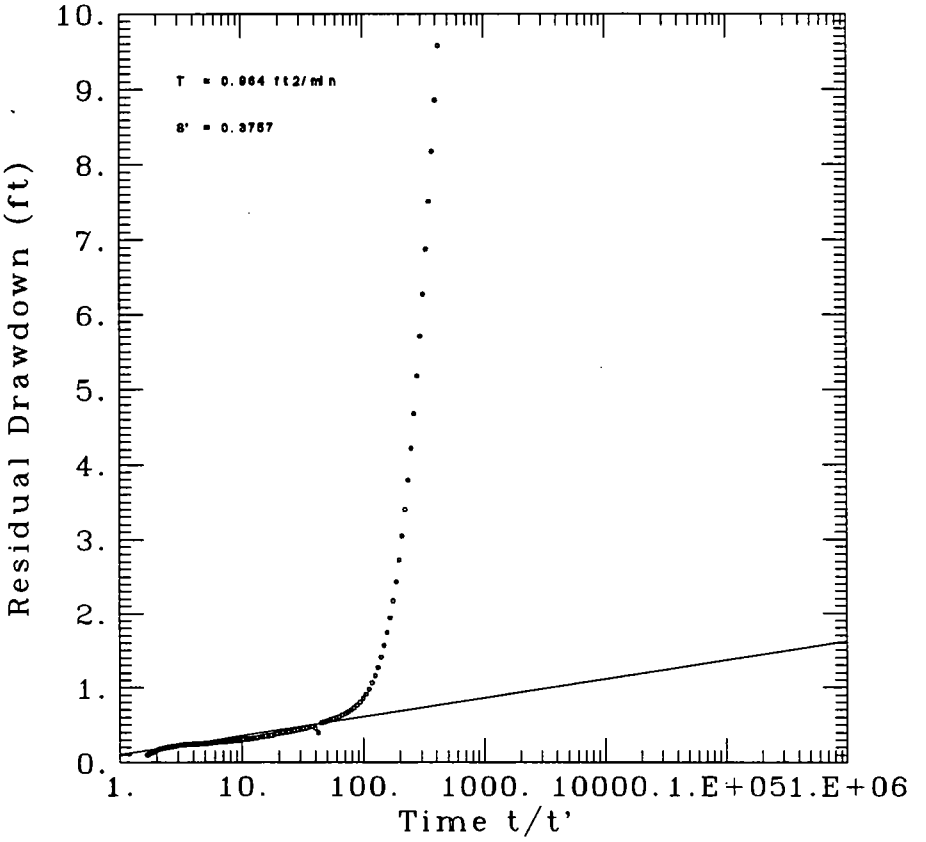
SWL0023 RECOVERY ANALYSIS 4/25-4/26/96



SWL0023 Middle Bellflower B Sand
Theis Recovery Analysis for Test on 4/25/96 to 4/26/96
Q = 9.9 gpm for 1,640 minutes
T = 0.96 ft^2/minute
b = 65 feet
K = 21 feet/day

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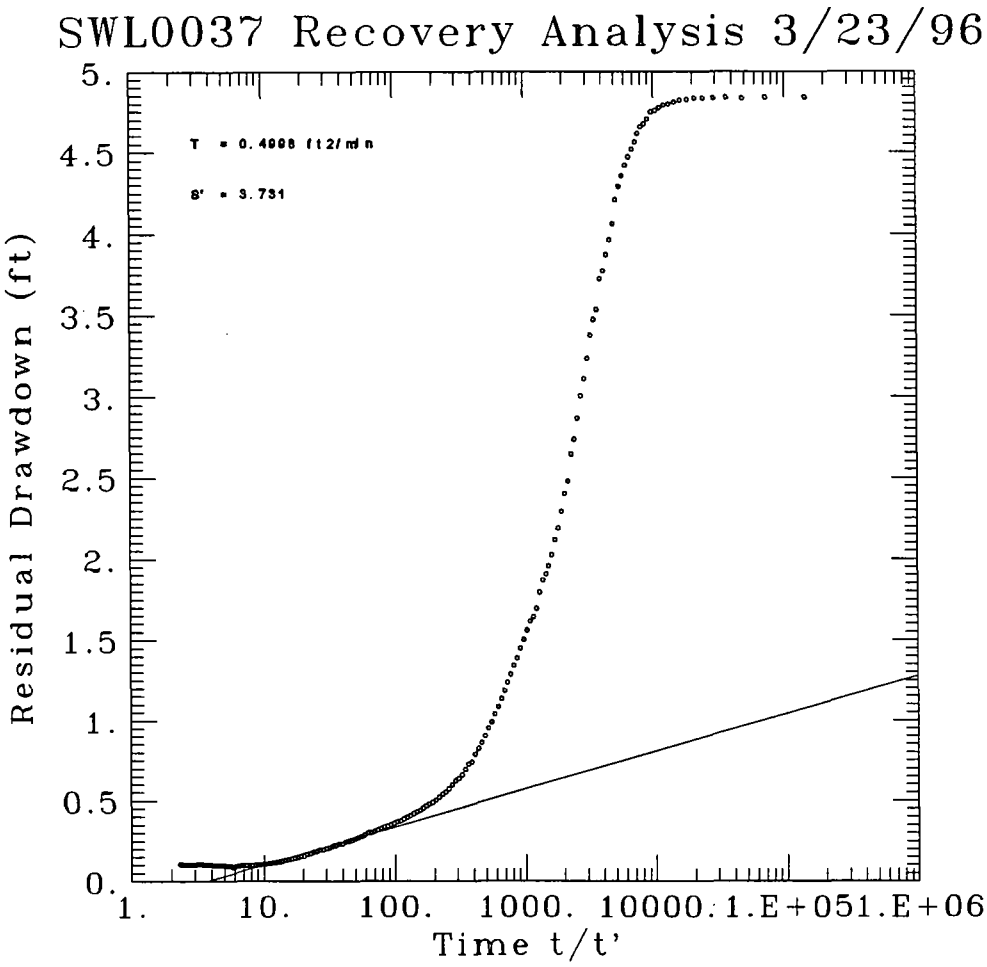

SWL0037 Middle Bellflower B Sand
Theis Recovery Analysis for Test on 3/23/96
Q = 4.8 gpm for 721 minutes
T = 0.50 ft^2/minute
b = 61 feet
K = 12 feet/day

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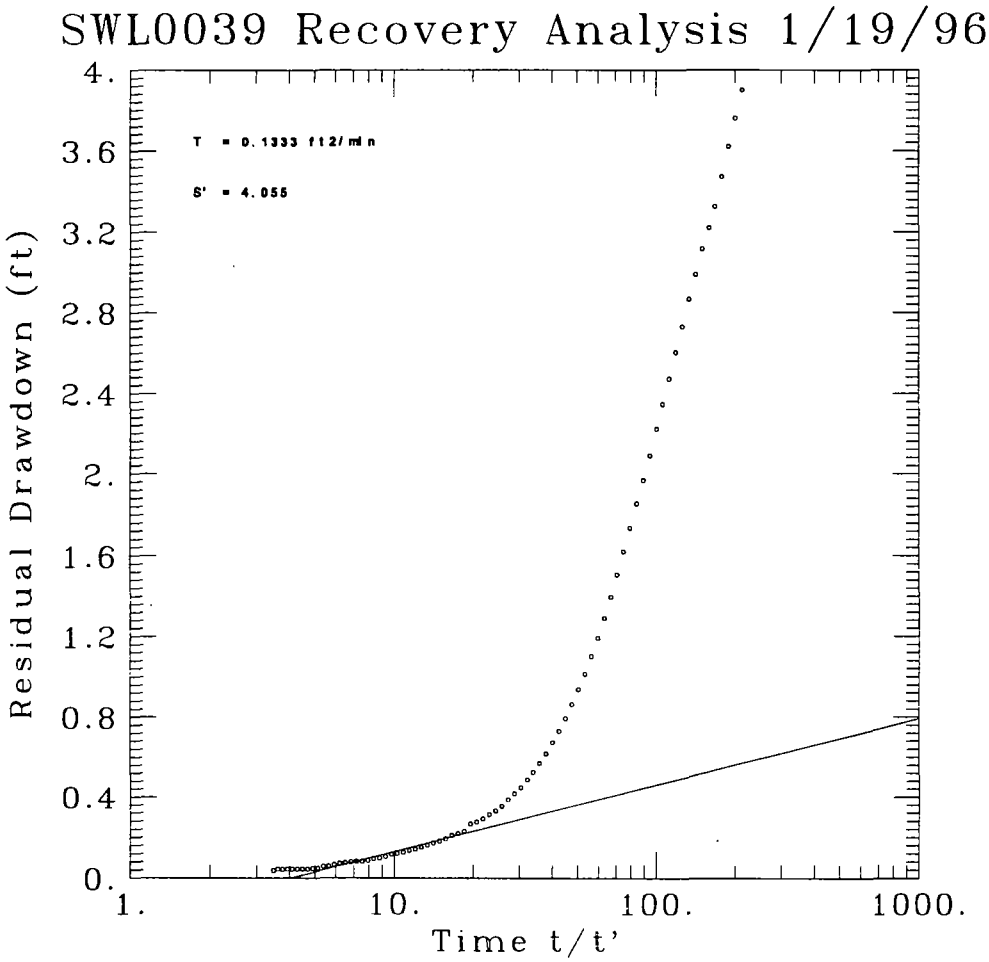

SWL0039 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 1/19/96
Q = 1.8 gpm for 734 minutes
T = 0.13 ft^2/minute
b = 19.3 feet
K = 10 feet/day

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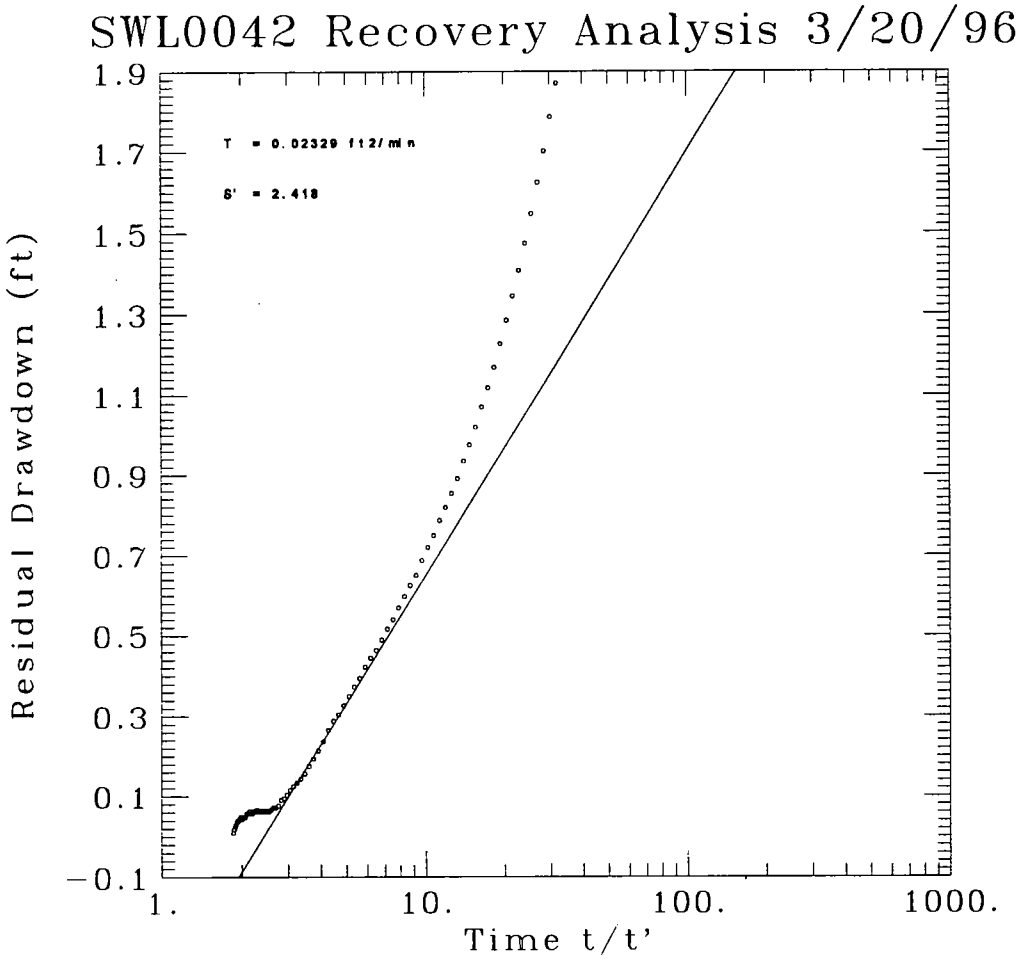

SWL0042 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 3/20/96
Q = 1.0 gpm for 731 minutes
T = 0.02 ft^2/minute
b = 16.1 feet
K = 1.8 feet/day

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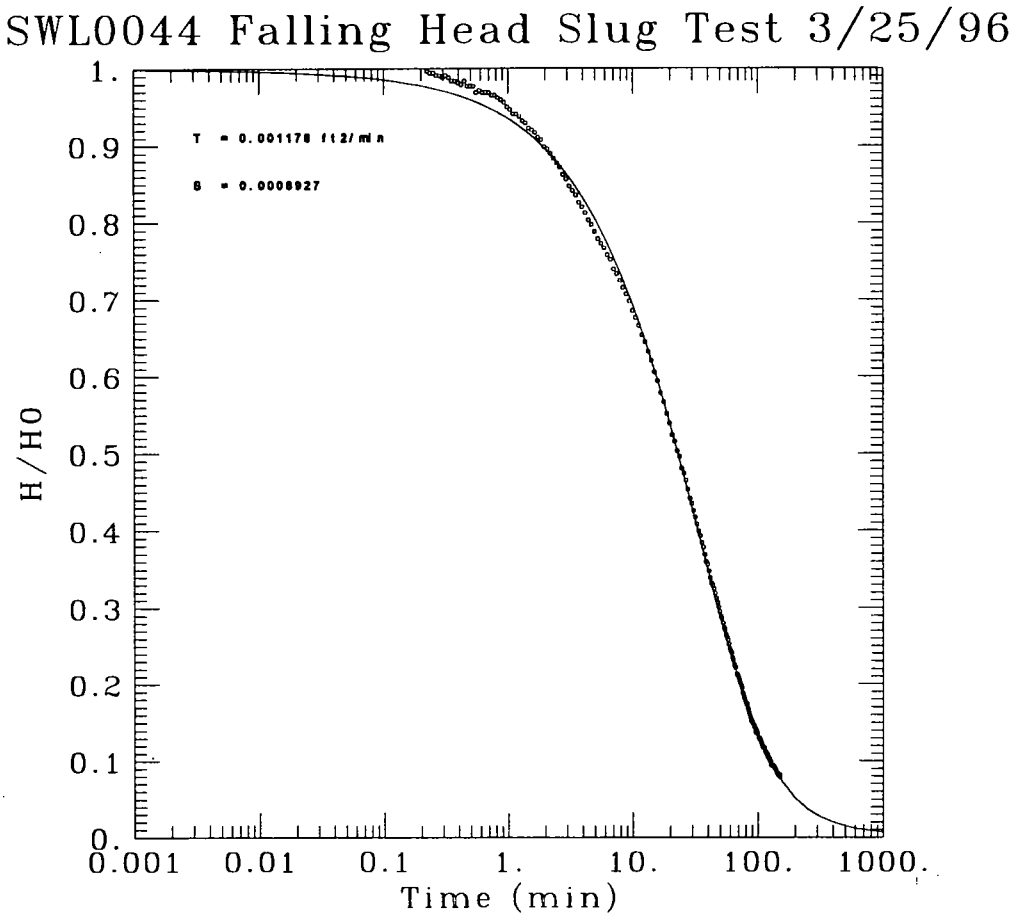

SWL0044 Upper Bellflower Aquitard
Falling Head Slug Test Cooper-Bredehoeft-Papadopulos Analysis
For Test on 3/25/96
$T = 0.001\ ft^2/minute$
$S = 9 \times 10^{-4}$
$b = 13.8$ feet
$K = 0.1$ feet/day
$\alpha = r_w^2 S/r_c^2 = (0.417\ ft)^2(9 \times 10^{-4}) \div (0.167\ ft)^2 = 5.6 \times 10^{-3}$
where r_w = effective radius of well and
r_c = internal radius of well casing

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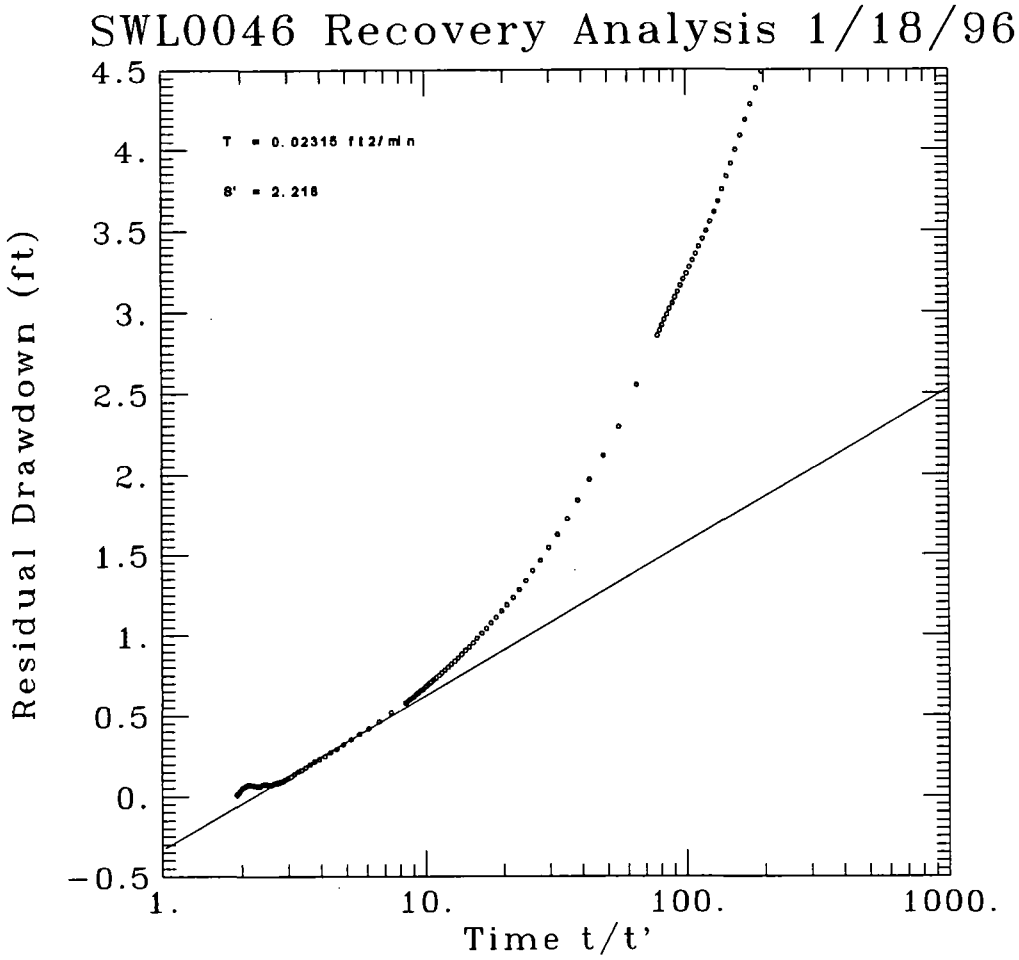

SWL0046 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 1/18/96
Q = 0.9 gpm for 736 minutes
T = 0.023 ft^2/minute
b = 11.4 feet
K = 2.9 feet/day

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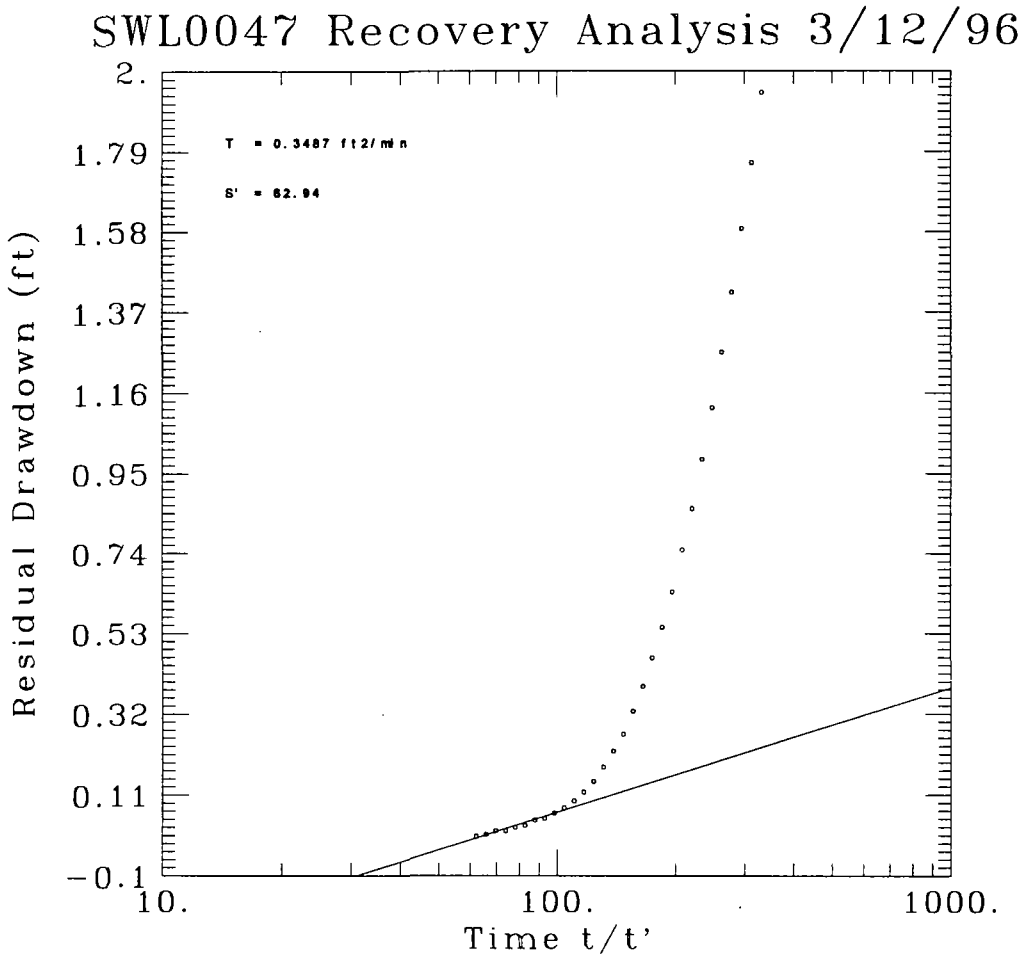

SWL0047 Middle Bellflower B Sand
Theis Recovery Analysis for Test on 3/12/96
Q = 4.6 gpm for 723 minutes
T = 0.35 ft^2/minute
b = 58 feet
K = 9 feet/day

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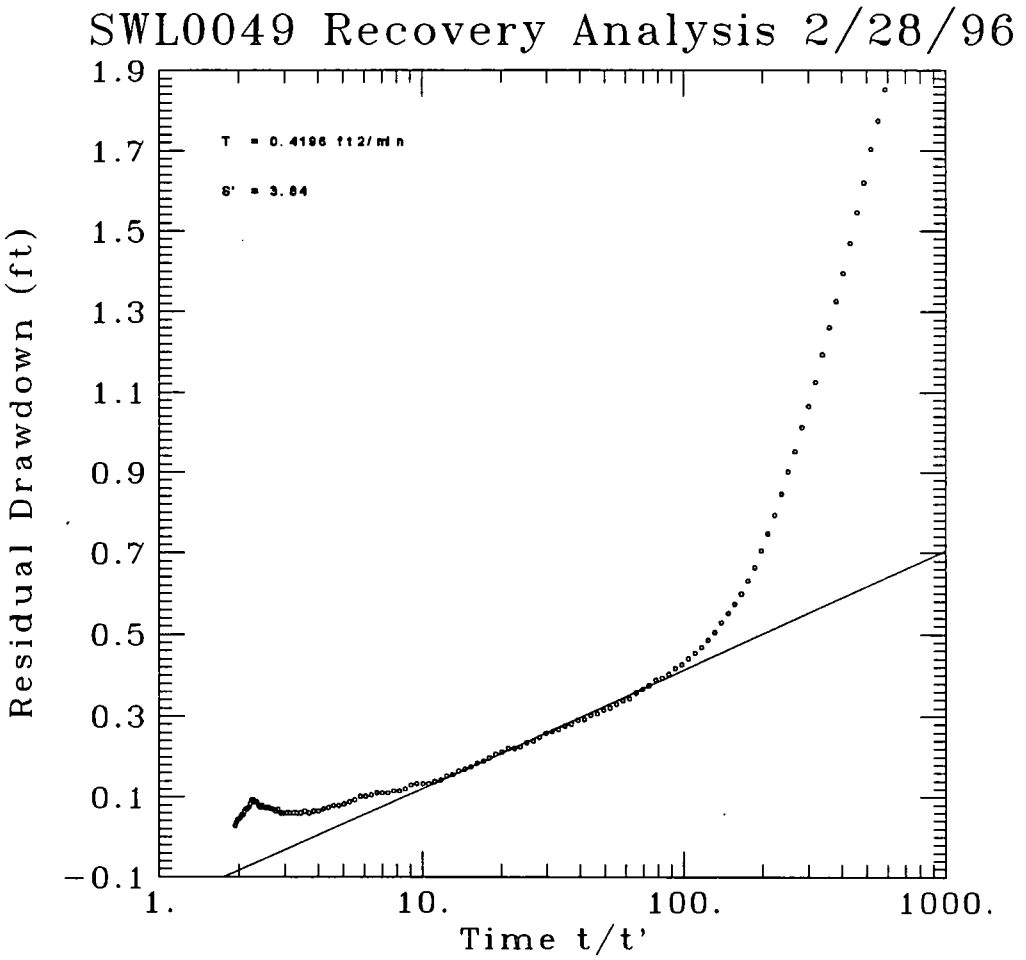

SWL0049 Middle Bellflower B Sand, Water Table
Theis Recovery Analysis for Test on 2/28/96
Q = 5.0 gpm for 758 minutes
T = 0.42 ft^2/minute
b = 12.1 feet
K = 50 feet/day

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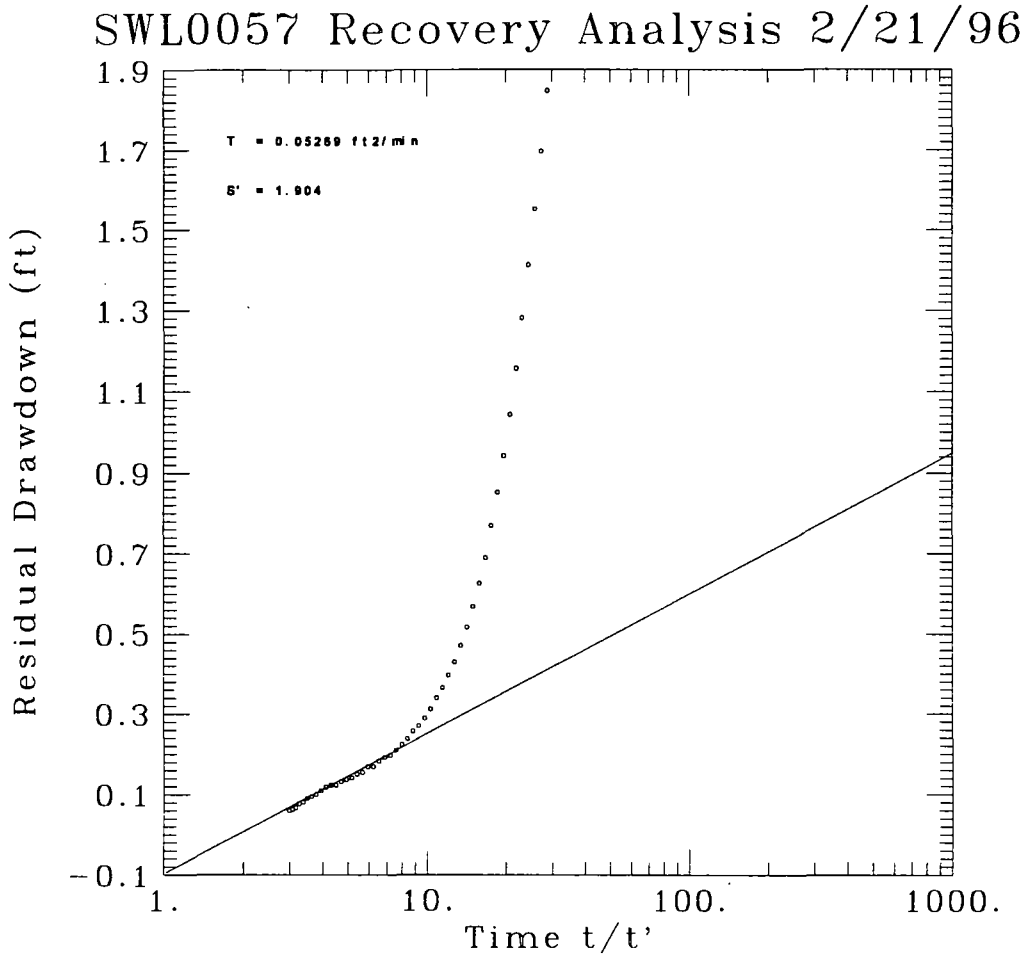

SWL0057 Upper Bellflower Aquitard
Theis Recovery Analysis for Test on 2/21/96
Q = 0.75 gpm for 737 minutes
T = 0.053 ft^2/day
b = 16.3 feet
K = 4.7 feet/day

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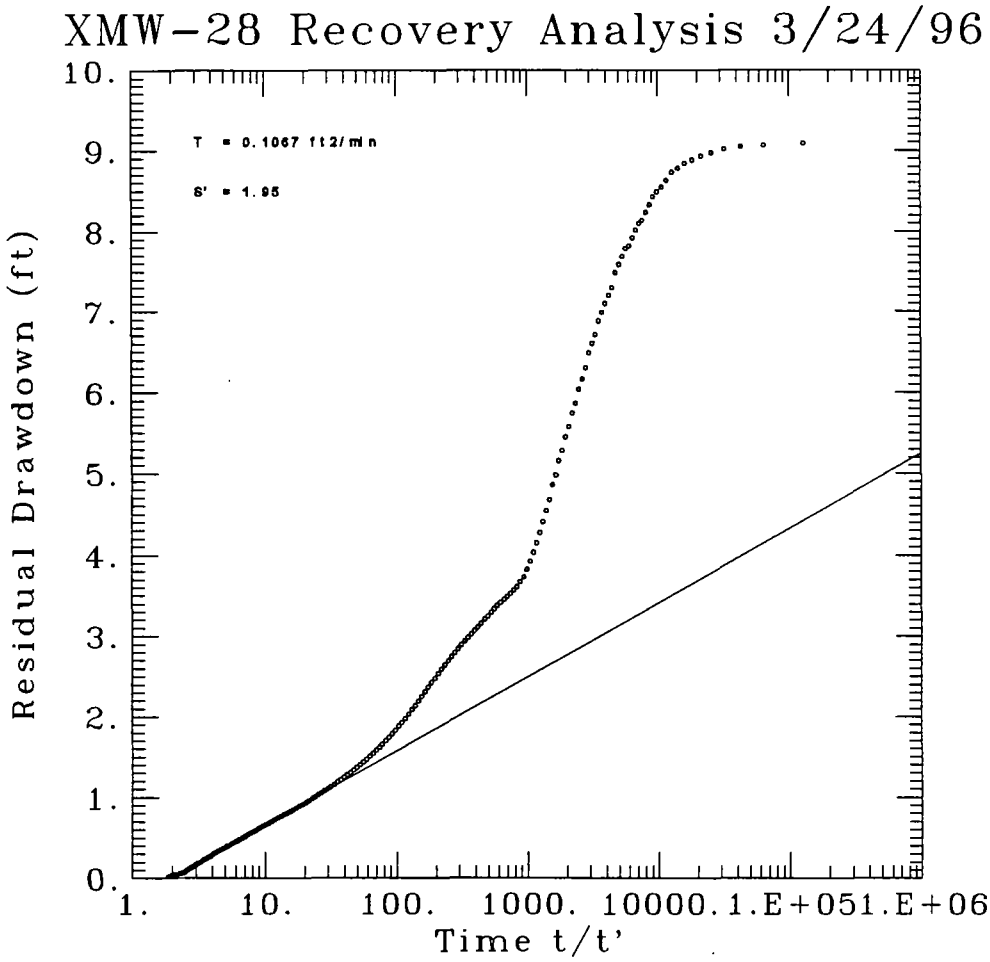
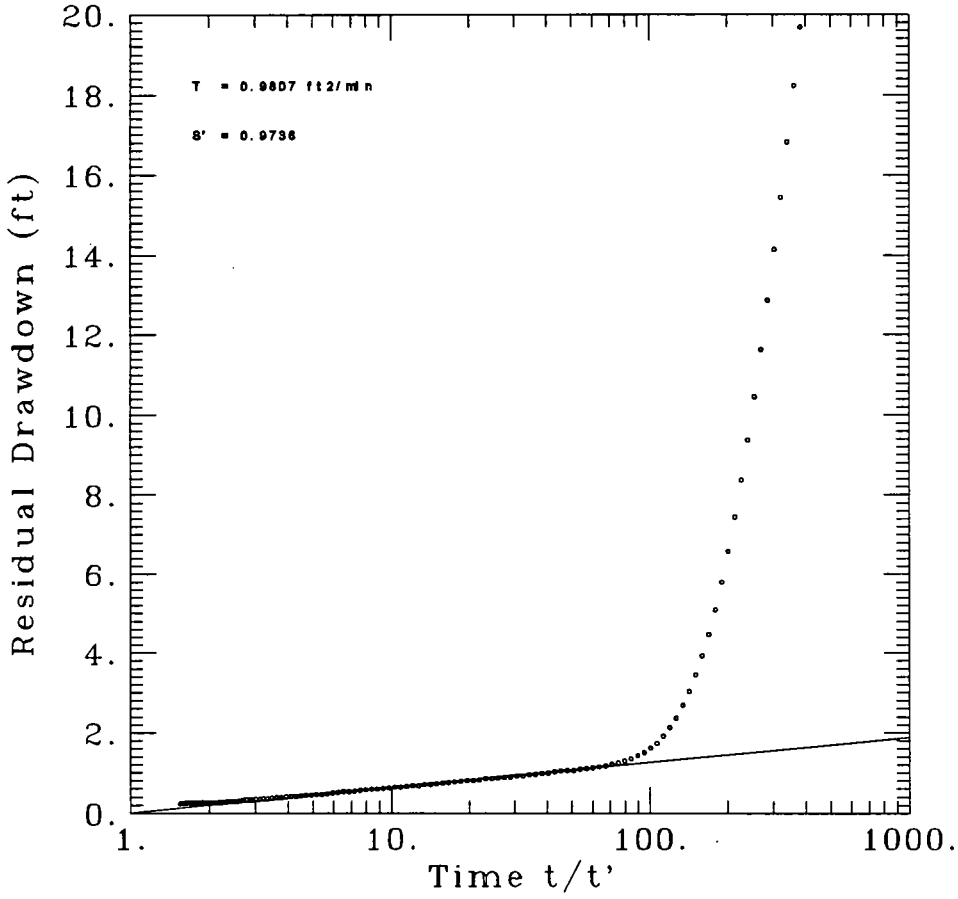


XMW-28 Upper Bellflower Aquitard/Middle Bellflower B Sand
Water Table Completion
Theis Recovery Analysis for Test on 3/24/96
Q = 4.0 gpm for 645 minutes
T = 0.11 ft^2/minute
b = 16.1 feet
K = 10 feet/day

S:\axc\delamo\gwri\x28r2t.wpf

XDA-1B RECOVERY ANALYSIS 5/03/96



XDA-1B Gage Aquifer
Theis Recovery Analysis for Test on 5/03/96
Q = 25 gpm for 657 minutes
T = 0.98 ft^2/minute
b = 62 feet
K = 23 feet/day

S:\axc\delamo\gwri\xda1br.wpf

APPENDIX H4

RECOVERY DATA TABLES

IN_SITU INC.	TROLL				
Serial number:	750				
Unit name:	SWL0049				
Report generated:	9/18/96	16:44:59			
Report from file:	S:\AXC\DELAMO\PUMPTEST\SWL0005\SWL05R.BIN				
Test name:	SWL0005 Recovery				
Test defined on:	2/29/96	13:10:14			
Test started on:	2/29/96	19:14:28			
Test stopped on:	3/5/96	11:23:43			
Test extracted on:	3/5/96	11:24:47			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0	Minutes.				
Number of data samples:	588				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoardTemp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoardPressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	11.222	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	3.859	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/29/96	19:14:00	0	21.57	12.95	
2/29/96	19:14:28	0.467	21.57	11.222	
2/29/96	19:14:28	0.472	21.56	11.213	
2/29/96	19:14:28	0.477	21.57	11.213	
2/29/96	19:14:28	0.482	21.58	11.213	
2/29/96	19:14:29	0.487	21.58	11.208	
2/29/96	19:14:29	0.492	21.58	11.208	
2/29/96	19:14:29	0.497	21.59	11.201	
2/29/96	19:14:30	0.502	21.59	11.197	
2/29/96	19:14:30	0.507	21.59	11.197	
2/29/96	19:14:30	0.512	21.59	11.197	
2/29/96	19:14:31	0.517	21.59	11.192	
2/29/96	19:14:31	0.522	21.6	11.183	
2/29/96	19:14:31	0.527	21.61	11.183	
2/29/96	19:14:31	0.532	21.61	11.178	
2/29/96	19:14:32	0.537	21.61	11.178	
2/29/96	19:14:32	0.542	21.61	11.178	

SWL0005 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/29/96	19:14:32	0.547	21.61	11.174	
2/29/96	19:14:33	0.552	21.62	11.169	
2/29/96	19:14:33	0.557	21.62	11.164	
2/29/96	19:14:33	0.562	21.62	11.164	
2/29/96	19:14:34	0.567	21.62	11.16	
2/29/96	19:14:34	0.5728	21.62	11.16	
2/29/96	19:14:34	0.579	21.63	11.155	
2/29/96	19:14:35	0.5855	21.64	11.15	
2/29/96	19:14:35	0.5925	21.64	11.146	
2/29/96	19:14:35	0.5998	21.64	11.141	
2/29/96	19:14:36	0.6077	21.65	11.137	
2/29/96	19:14:36	0.616	21.69	11.127	
2/29/96	19:14:37	0.6248	21.69	11.123	
2/29/96	19:14:38	0.6342	21.69	11.116	
2/29/96	19:14:38	0.644	21.69	11.111	
2/29/96	19:14:39	0.6545	21.69	11.107	
2/29/96	19:14:39	0.6655	21.69	11.102	
2/29/96	19:14:40	0.6772	21.69	11.088	
2/29/96	19:14:41	0.6897	21.69	11.084	
2/29/96	19:14:42	0.7028	21.69	11.074	
2/29/96	19:14:42	0.7168	21.7	11.07	
2/29/96	19:14:43	0.7317	21.7	11.056	
2/29/96	19:14:44	0.7473	21.7	11.051	
2/29/96	19:14:45	0.764	21.7	11.037	
2/29/96	19:14:46	0.7817	21.7	11.028	
2/29/96	19:14:48	0.8003	21.7	11.019	
2/29/96	19:14:49	0.8202	21.7	11.005	
2/29/96	19:14:50	0.8412	21.7	10.996	
2/29/96	19:14:51	0.8633	21.7	10.982	
2/29/96	19:14:53	0.8868	21.7	10.973	
2/29/96	19:14:54	0.9117	21.71	10.959	
2/29/96	19:14:56	0.9367	21.7	10.943	
2/29/96	19:14:57	0.9633	21.71	10.934	
2/29/96	19:14:59	0.9917	21.71	10.915	
2/29/96	19:15:01	1.0217	21.71	10.901	
2/29/96	19:15:03	1.0533	21.71	10.883	
2/29/96	19:15:05	1.0883	21.71	10.869	
2/29/96	19:15:07	1.125	21.71	10.851	
2/29/96	19:15:09	1.1633	21.71	10.828	
2/29/96	19:15:12	1.205	21.72	10.804	
2/29/96	19:15:14	1.2483	21.71	10.786	
2/29/96	19:15:17	1.295	21.71	10.758	
2/29/96	19:15:20	1.3433	21.71	10.742	
2/29/96	19:15:23	1.395	21.72	10.715	
2/29/96	19:15:26	1.45	21.72	10.687	
2/29/96	19:15:30	1.5083	21.71	10.659	
2/29/96	19:15:34	1.57	21.72	10.631	
2/29/96	19:15:38	1.635	21.71	10.604	
2/29/96	19:15:42	1.705	21.71	10.576	
2/29/96	19:15:46	1.7783	21.71	10.542	

SWL0005 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
2/29/96	19:15:51	1.8567	21.71	10.505	
2/29/96	19:15:56	1.94	21.71	10.472	
2/29/96	19:16:01	2.0283	21.71	10.431	
2/29/96	19:16:07	2.1217	21.71	10.389	
2/29/96	19:16:13	2.22	21.71	10.35	
2/29/96	19:16:19	2.325	21.7	10.304	
2/29/96	19:16:26	2.435	21.71	10.258	
2/29/96	19:16:33	2.5517	21.7	10.207	
2/29/96	19:16:40	2.6767	21.7	10.152	
2/29/96	19:16:48	2.8083	21.7	10.089	
2/29/96	19:16:56	2.9483	21.7	10.02	
2/29/96	19:17:05	3.0967	21.7	9.944	
2/29/96	19:17:15	3.2533	21.7	9.866	
2/29/96	19:17:25	3.42	21.7	9.773	
2/29/96	19:17:35	3.5967	21.7	9.683	
2/29/96	19:17:46	3.7833	21.7	9.582	
2/29/96	19:17:58	3.9817	21.7	9.483	
2/29/96	19:18:11	4.1917	21.7	9.377	
2/29/96	19:18:24	4.4133	21.7	9.268	
2/29/96	19:18:38	4.6483	21.7	9.153	
2/29/96	19:18:53	4.8967	21.7	9.035	
2/29/96	19:19:09	5.16	21.7	8.913	
2/29/96	19:19:26	5.44	21.7	8.784	
2/29/96	19:19:44	5.7367	21.73	8.666	
2/29/96	19:20:02	6.05	21.72	8.532	
2/29/96	19:20:22	6.3817	21.73	8.401	
2/29/96	19:20:43	6.7333	21.73	8.256	
2/29/96	19:21:06	7.1067	21.72	8.096	
2/29/96	19:21:30	7.5017	21.73	7.926	
2/29/96	19:21:55	7.92	21.72	7.753	
2/29/96	19:22:21	8.3633	21.72	7.571	
2/29/96	19:22:49	8.8333	21.71	7.393	
2/29/96	19:23:19	9.3317	21.73	7.206	
2/29/96	19:23:51	9.8583	21.73	7.019	
2/29/96	19:24:24	10.4167	21.75	6.837	
2/29/96	19:25:00	11.0083	21.73	6.657	
2/29/96	19:25:38	11.635	21.72	6.461	
2/29/96	19:26:17	12.2983	21.7	6.256	
2/29/96	19:27:00	13.0017	21.69	6.055	
2/29/96	19:27:44	13.7467	21.68	5.827	
2/29/96	19:28:32	14.5367	21.67	5.598	
2/29/96	19:29:22	15.3733	21.66	5.393	
2/29/96	19:30:15	16.2583	21.65	5.197	
2/29/96	19:31:11	17.1967	21.63	4.98	
2/29/96	19:32:11	18.19	21.62	4.761	
2/29/96	19:33:14	19.2433	21.61	4.56	
2/29/96	19:34:21	20.3583	21.61	4.355	
2/29/96	19:35:32	21.54	21.59	4.141	
2/29/96	19:36:47	22.7917	21.64	3.921	
2/29/96	19:38:06	24.1167	21.62	3.702	

SWL0005 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/29/96	19:39:31	25.5217	21.62	3.488	
2/29/96	19:41:00	27.01	21.61	3.287	
2/29/96	19:42:35	28.585	21.62	3.112	
2/29/96	19:44:15	30.2533	21.61	2.93	
2/29/96	19:46:01	32.0217	21.59	2.743	
2/29/96	19:47:53	33.895	21.58	2.574	
2/29/96	19:49:52	35.8783	21.58	2.408	
2/29/96	19:51:58	37.98	21.57	2.244	
2/29/96	19:54:12	40.2067	21.57	2.09	
2/29/96	19:56:33	42.565	21.56	1.951	
2/29/96	19:59:03	45.0633	21.56	1.825	
2/29/96	20:01:42	47.71	21.56	1.709	
2/29/96	20:04:30	50.5133	21.56	1.596	
2/29/96	20:07:28	53.4817	21.56	1.49	
2/29/96	20:10:37	56.6267	21.57	1.384	
2/29/96	20:13:57	59.9583	21.57	1.285	
2/29/96	20:17:29	63.4867	21.58	1.183	
2/29/96	20:21:13	67.225	21.58	1.084	
2/29/96	20:25:11	71.185	21.58	1.006	
2/29/96	20:29:22	75.3783	21.58	0.937	
2/29/96	20:33:49	79.8217	21.58	0.881	
2/29/96	20:38:31	84.5283	21.58	0.833	
2/29/96	20:43:30	89.5133	21.57	0.791	
2/29/96	20:48:47	94.7933	21.58	0.75	
2/29/96	20:54:23	100.3867	21.57	0.713	
2/29/96	21:00:18	106.3117	21.58	0.676	
2/29/96	21:06:35	112.5867	21.57	0.648	
2/29/96	21:13:14	119.235	21.57	0.625	
2/29/96	21:20:16	126.2767	21.57	0.6	
2/29/96	21:27:44	133.735	21.57	0.577	
2/29/96	21:35:38	141.635	21.57	0.554	
2/29/96	21:44:00	150.0033	21.57	0.535	
2/29/96	21:52:52	158.8683	21.57	0.521	
2/29/96	22:02:15	168.2583	21.57	0.503	
2/29/96	22:12:12	178.205	21.57	0.484	
2/29/96	22:22:44	188.7417	21.56	0.471	
2/29/96	22:33:54	199.9017	21.56	0.457	
2/29/96	22:45:43	211.7233	21.56	0.438	
2/29/96	22:58:14	224.245	21.56	0.424	
2/29/96	23:11:30	237.51	21.56	0.411	
2/29/96	23:25:33	251.56	21.56	0.401	
2/29/96	23:40:26	266.4433	21.56	0.388	
2/29/96	23:55:26	281.4433	21.56	0.374	
3/1/96	0:10:26	296.4433	21.56	0.365	
3/1/96	0:25:26	311.4433	21.56	0.358	
3/1/96	0:40:26	326.4433	21.56	0.353	
3/1/96	0:55:26	341.4433	21.56	0.348	
3/1/96	1:10:26	356.4433	21.56	0.335	
3/1/96	1:25:26	371.4433	21.56	0.325	
3/1/96	1:40:26	386.4433	21.56	0.321	

SWL0005 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/1/96	1:55:26	401.4433	21.56	0.311	
3/1/96	2:10:26	416.4433	21.56	0.302	
3/1/96	2:25:26	431.4433	21.56	0.293	
3/1/96	2:40:26	446.4433	21.56	0.288	
3/1/96	2:55:26	461.4433	21.56	0.284	
3/1/96	3:10:26	476.4433	21.56	0.27	
3/1/96	3:25:26	491.4433	21.56	0.261	
3/1/96	3:40:26	506.4433	21.56	0.247	
3/1/96	3:55:26	521.4433	21.56	0.242	
3/1/96	4:10:26	536.4433	21.56	0.233	
3/1/96	4:25:26	551.4433	21.56	0.233	
3/1/96	4:40:26	566.4433	21.56	0.228	
3/1/96	4:55:26	581.4433	21.56	0.228	
3/1/96	5:10:26	596.4433	21.56	0.238	
3/1/96	5:25:26	611.4433	21.56	0.233	
3/1/96	5:40:26	626.4433	21.56	0.233	
3/1/96	5:55:26	641.4433	21.56	0.233	
3/1/96	6:10:26	656.4433	21.56	0.233	
3/1/96	6:25:26	671.4433	21.56	0.228	
3/1/96	6:40:26	686.4433	21.56	0.228	
3/1/96	6:55:26	701.4433	21.56	0.224	
3/1/96	7:10:26	716.4433	21.56	0.228	
3/1/96	7:25:26	731.4433	21.56	0.228	
3/1/96	7:40:26	746.4433	21.56	0.219	
3/1/96	7:55:26	761.4433	21.56	0.228	
3/1/96	8:10:26	776.4433	21.56	0.219	
3/1/96	8:25:26	791.4433	21.56	0.224	
3/1/96	8:40:26	806.4433	21.56	0.224	
3/1/96	8:55:26	821.4433	21.56	0.219	
3/1/96	9:10:26	836.4433	21.56	0.219	
3/1/96	9:25:26	851.4433	21.56	0.219	
3/1/96	9:40:26	866.4433	21.56	0.219	
3/1/96	9:55:26	881.4433	21.56	0.21	
3/1/96	10:10:26	896.4433	21.64	0.208	
3/1/96	10:25:26	911.4433	21.56	0.205	
3/1/96	10:40:26	926.4433	21.55	0.201	
3/1/96	10:55:26	941.4433	21.56	0.196	
3/1/96	11:10:26	956.4433	21.55	0.196	
3/1/96	11:25:26	971.4433	21.55	0.192	
3/1/96	11:40:26	986.4433	21.56	0.182	
3/1/96	11:55:26	1001.443	21.55	0.178	
3/1/96	12:10:26	1016.443	21.55	0.168	
3/1/96	12:25:26	1031.443	21.55	0.164	
3/1/96	12:40:26	1046.443	21.56	0.15	
3/1/96	12:55:26	1061.443	21.56	0.145	
3/1/96	13:10:26	1076.443	21.56	0.136	
3/1/96	13:25:26	1091.443	21.55	0.127	
3/1/96	13:40:26	1106.443	21.56	0.118	
3/1/96	13:55:26	1121.443	21.56	0.108	
3/1/96	14:10:26	1136.443	21.55	0.104	

SWL0005 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/1/96	14:25:26	1151.443	21.56	0.099	
3/1/96	14:40:26	1166.443	21.55	0.099	
3/1/96	14:55:26	1181.443	21.55	0.095	
3/1/96	15:10:26	1196.443	21.55	0.095	
3/1/96	15:25:26	1211.443	21.55	0.099	
3/1/96	15:40:26	1226.443	21.55	0.095	
3/1/96	15:55:26	1241.443	21.55	0.09	
3/1/96	16:10:26	1256.443	21.55	0.088	
3/1/96	16:25:26	1271.443	21.55	0.083	
3/1/96	16:40:26	1286.443	21.55	0.078	
3/1/96	16:55:26	1301.443	21.55	0.074	
3/1/96	17:10:26	1316.443	21.55	0.074	
3/1/96	17:25:26	1331.443	21.55	0.074	
3/1/96	17:40:26	1346.443	21.55	0.069	
3/1/96	17:55:26	1361.443	21.55	0.06	
3/1/96	18:10:26	1376.443	21.55	0.055	
3/1/96	18:25:26	1391.443	21.55	0.055	
3/1/96	18:40:26	1406.443	21.55	0.046	
3/1/96	18:55:26	1421.443	21.55	0.046	
3/1/96	19:10:26	1436.443	21.55	0.046	
3/1/96	19:25:26	1451.443	21.55	0.051	
3/1/96	19:40:26	1466.443	21.55	0.051	
3/1/96	19:55:26	1481.443	21.55	0.051	
3/1/96	20:10:26	1496.443	21.55	0.055	
3/1/96	20:25:26	1511.443	21.55	0.055	
3/1/96	20:40:26	1526.443	21.55	0.06	
3/1/96	20:55:26	1541.443	21.55	0.06	
3/1/96	21:10:26	1556.443	21.55	0.069	
3/1/96	21:25:26	1571.443	21.55	0.065	
3/1/96	21:40:26	1586.443	21.55	0.06	
3/1/96	21:55:26	1601.443	21.55	0.055	
3/1/96	22:10:26	1616.443	21.55	0.055	
3/1/96	22:25:26	1631.443	21.55	0.055	
3/1/96	22:40:26	1646.443	21.55	0.055	
3/1/96	22:55:26	1661.443	21.55	0.051	
3/1/96	23:10:26	1676.443	21.55	0.046	
3/1/96	23:25:26	1691.443	21.55	0.051	
3/1/96	23:40:26	1706.443	21.55	0.042	
3/1/96	23:55:26	1721.443	21.55	0.046	
3/2/96	0:10:26	1736.443	21.55	0.042	
3/2/96	0:25:26	1751.443	21.55	0.037	
3/2/96	0:40:26	1766.443	21.55	0.032	
3/2/96	0:55:26	1781.443	21.55	0.032	
3/2/96	1:10:26	1796.443	21.55	0.028	
3/2/96	1:25:26	1811.443	21.55	0.023	
3/2/96	1:40:26	1826.443	21.55	0.019	
3/2/96	1:55:26	1841.443	21.55	0.019	
3/2/96	2:10:26	1856.443	21.55	0.005	
3/2/96	2:25:26	1871.443	21.55	0.005	
3/2/96	2:40:26	1886.443	21.55	0	

SWL0006 Recovery Data

IN_SITU INC.	TROLL				
Serial number:	750.0000				
Unit name:	SWL0006				
Report generated:	3/20/96	18:16:34			
Report from file:	C:\WINSITU\PUMPTE~1\SWL0006\SWL06R.BIN				
Test name:	SWL0006 Recovery				
Test defined on:	3/5/96	11:28:56			
Test started on:	3/6/96	21:33:32			
Test stopped on:	3/11/96	10:57:21			
Test extracted on:	3/18/96	13:53:36			
Data gathered using Logarithmic testing					
Maximum time between data points: 15 min					
Number of data samples:	577.0000				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoardTemp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoardPressure				
Specific gravity:	1.0000				
Mode:	TOC				
User-defined reference:	2.2610	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	10.6480	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
———	———	———	———	———	
3/6/96	21:33:34	0.0000	21.6100	2.2790	
3/6/96	21:33:34	0.0050	21.6100	2.2700	
3/6/96	21:33:34	0.0100	21.6100	2.2660	
3/6/96	21:33:35	0.0150	21.6100	2.2560	
3/6/96	21:33:35	0.0200	21.6100	2.2430	
3/6/96	21:33:35	0.0250	21.6200	2.2430	
3/6/96	21:33:35	0.0300	21.6200	2.2660	
3/6/96	21:33:36	0.0350	21.6200	2.2560	
3/6/96	21:33:36	0.0400	21.6300	2.2660	
3/6/96	21:33:36	0.0450	21.6300	2.2330	
3/6/96	21:33:37	0.0500	21.6300	2.2700	
3/6/96	21:33:37	0.0550	21.6400	2.2380	
3/6/96	21:33:37	0.0600	21.6400	2.2520	
3/6/96	21:33:38	0.0650	21.6400	2.2430	
3/6/96	21:33:38	0.0708	21.6400	2.2470	
3/6/96	21:33:38	0.0770	21.6500	2.2380	
3/6/96	21:33:39	0.0835	21.6500	2.2380	

SWL0006 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
3/6/96	21:33:39	0.0905	21.6600	2.2380	
3/6/96	21:33:39	0.0978	21.6600	2.2330	
3/6/96	21:33:40	0.1057	21.6600	2.2330	
3/6/96	21:33:40	0.1140	21.7000	2.2190	
3/6/96	21:33:41	0.1228	21.7000	2.2150	
3/6/96	21:33:42	0.1322	21.7000	2.2100	
3/6/96	21:33:42	0.1420	21.7000	2.2100	
3/6/96	21:33:43	0.1525	21.7000	2.2030	
3/6/96	21:33:43	0.1635	21.7100	2.1990	
3/6/96	21:33:44	0.1752	21.7000	2.1990	
3/6/96	21:33:45	0.1877	21.7100	2.1890	
3/6/96	21:33:46	0.2008	21.7100	2.1850	
3/6/96	21:33:46	0.2148	21.7100	2.1800	
3/6/96	21:33:47	0.2297	21.7200	2.1710	
3/6/96	21:33:48	0.2453	21.7100	2.1660	
3/6/96	21:33:49	0.2620	21.7200	2.1530	
3/6/96	21:33:50	0.2797	21.7200	2.1530	
3/6/96	21:33:52	0.2983	21.7200	2.1480	
3/6/96	21:33:53	0.3182	21.7200	2.1390	
3/6/96	21:33:54	0.3392	21.7200	2.1300	
3/6/96	21:33:55	0.3613	21.7200	2.1250	
3/6/96	21:33:57	0.3848	21.7200	2.1160	
3/6/96	21:33:58	0.4097	21.7200	2.1020	
3/6/96	21:34:00	0.4347	21.7200	2.0930	
3/6/96	21:34:01	0.4613	21.7200	2.0880	
3/6/96	21:34:03	0.4897	21.7200	2.0790	
3/6/96	21:34:05	0.5197	21.7300	2.0650	
3/6/96	21:34:07	0.5513	21.7300	2.0560	
3/6/96	21:34:09	0.5863	21.7300	2.0420	
3/6/96	21:34:11	0.6230	21.7300	2.0280	
3/6/96	21:34:13	0.6613	21.7400	2.0190	
3/6/96	21:34:16	0.7030	21.7400	2.0070	
3/6/96	21:34:18	0.7463	21.7400	1.9930	
3/6/96	21:34:21	0.7930	21.7400	1.9800	
3/6/96	21:34:24	0.8413	21.7400	1.9610	
3/6/96	21:34:27	0.8930	21.7400	1.9430	
3/6/96	21:34:30	0.9480	21.7400	1.9240	
3/6/96	21:34:34	1.0063	21.7400	1.9100	
3/6/96	21:34:38	1.0680	21.7500	1.8870	
3/6/96	21:34:42	1.1330	21.7500	1.8690	
3/6/96	21:34:46	1.2030	21.7600	1.8500	
3/6/96	21:34:50	1.2763	21.7600	1.8270	
3/6/96	21:34:55	1.3547	21.7700	1.8070	
3/6/96	21:35:00	1.4380	21.7700	1.7790	
3/6/96	21:35:05	1.5263	21.7800	1.7560	
3/6/96	21:35:11	1.6197	21.7800	1.7280	
3/6/96	21:35:17	1.7180	21.7900	1.7050	
3/6/96	21:35:23	1.8230	21.8000	1.6730	
3/6/96	21:35:30	1.9330	21.8100	1.6450	
3/6/96	21:35:37	2.0497	21.8200	1.6150	

SWL0006 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/6/96	21:35:44	2.1747	21.8300	1.5830	
3/6/96	21:35:52	2.3063	21.8300	1.5550	
3/6/96	21:36:00	2.4463	21.8400	1.5230	
3/6/96	21:36:09	2.5947	21.8600	1.4860	
3/6/96	21:36:19	2.7513	21.8700	1.4510	
3/6/96	21:36:29	2.9180	21.8800	1.4190	
3/6/96	21:36:39	3.0947	21.8900	1.3870	
3/6/96	21:36:50	3.2813	21.9100	1.3540	
3/6/96	21:37:02	3.4797	21.9100	1.3130	
3/6/96	21:37:15	3.6897	21.9200	1.2740	
3/6/96	21:37:28	3.9113	21.9300	1.2320	
3/6/96	21:37:42	4.1463	21.9400	1.1950	
3/6/96	21:37:57	4.3947	21.9400	1.1540	
3/6/96	21:38:13	4.6580	21.9500	1.1150	
3/6/96	21:38:30	4.9380	21.9600	1.0730	
3/6/96	21:38:48	5.2347	21.9600	1.0270	
3/6/96	21:39:06	5.5480	21.9600	0.9850	
3/6/96	21:39:26	5.8797	21.9600	0.9390	
3/6/96	21:39:47	6.2313	21.9400	0.8980	
3/6/96	21:40:10	6.6047	21.9400	0.8540	
3/6/96	21:40:34	6.9997	21.9300	0.8080	
3/6/96	21:40:59	7.4180	21.9500	0.7660	
3/6/96	21:41:25	7.8613	21.9300	0.7200	
3/6/96	21:41:53	8.3313	21.9100	0.6830	
3/6/96	21:42:23	8.8297	21.8900	0.6370	
3/6/96	21:42:55	9.3563	21.8800	0.5910	
3/6/96	21:43:28	9.9147	21.8600	0.5540	
3/6/96	21:44:04	10.5063	21.8400	0.5170	
3/6/96	21:44:42	11.1330	21.8400	0.4730	
3/6/96	21:45:21	11.7963	21.8200	0.4320	
3/6/96	21:46:04	12.4997	21.8200	0.3950	
3/6/96	21:46:48	13.2447	21.7900	0.3580	
3/6/96	21:47:36	14.0347	21.7400	0.3300	
3/6/96	21:48:26	14.8713	21.7700	0.2930	
3/6/96	21:49:19	15.7563	21.7400	0.2660	
3/6/96	21:50:15	16.6947	21.7400	0.2380	
3/6/96	21:51:15	17.6880	21.7100	0.2100	
3/6/96	21:52:18	18.7413	21.7000	0.1830	
3/6/96	21:53:25	19.8563	21.6900	0.1600	
3/6/96	21:54:36	21.0380	21.6800	0.1410	
3/6/96	21:55:51	22.2897	21.6800	0.1180	
3/6/96	21:57:10	23.6147	21.6600	0.1000	
3/6/96	21:58:35	25.0197	21.6300	0.0860	
3/6/96	22:00:04	26.5080	21.6200	0.0720	
3/6/96	22:01:39	28.0830	21.5900	0.0580	
3/6/96	22:03:19	29.7513	21.5800	0.0490	
3/6/96	22:05:05	31.5197	21.5700	0.0400	
3/6/96	22:06:57	33.3930	21.5600	0.0300	
3/6/96	22:08:56	35.3763	21.5600	0.0260	
3/6/96	22:11:02	37.4780	21.5500	0.0170	

SWL0006 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/6/96	22:13:16	39.7047	21.5600	0.0120	
3/6/96	22:15:37	42.0630	21.5500	0.0070	
3/6/96	22:18:07	44.5613	21.5500	0.0030	
3/6/96	22:20:46	47.2080	21.5500	0.0030	
3/6/96	22:23:34	50.0113	21.5500	-0.0020	
3/6/96	22:26:32	52.9797	21.5500	-0.0020	
3/6/96	22:29:41	56.1247	21.5500	-0.0060	
3/6/96	22:33:01	59.4563	21.5500	-0.0020	
3/6/96	22:36:33	62.9847	21.5500	-0.0020	
3/6/96	22:40:17	66.7230	21.5500	-0.0060	
3/6/96	22:44:15	70.6830	21.5600	-0.0060	
3/6/96	22:48:26	74.8763	21.5600	-0.0060	
3/6/96	22:52:53	79.3197	21.5500	-0.0060	
3/6/96	22:57:35	84.0263	21.5600	-0.0060	
3/6/96	23:02:34	89.0113	21.5600	-0.0110	
3/6/96	23:07:51	94.2913	21.5600	-0.0110	
3/6/96	23:13:27	99.8847	21.5600	-0.0160	
3/6/96	23:19:22	105.8097	21.5600	-0.0110	
3/6/96	23:25:39	112.0847	21.5600	-0.0160	
3/6/96	23:32:18	118.7330	21.5600	-0.0160	
3/6/96	23:39:20	125.7747	21.5600	-0.0160	
3/6/96	23:46:48	133.2330	21.5600	-0.0160	
3/6/96	23:54:42	141.1330	21.5700	-0.0160	
3/7/96	0:03:04	149.5013	21.5600	-0.0110	
3/7/96	0:11:56	158.3663	21.5700	-0.0110	
3/7/96	0:21:19	167.7563	21.5600	-0.0160	
3/7/96	0:31:16	177.7030	21.5600	-0.0160	
3/7/96	0:41:48	188.2397	21.5600	-0.0160	
3/7/96	0:52:58	199.3997	21.5600	-0.0110	
3/7/96	1:04:47	211.2213	21.5700	-0.0160	
3/7/96	1:17:18	223.7430	21.5600	-0.0160	
3/7/96	1:30:34	237.0080	21.5600	-0.0160	
3/7/96	1:44:37	251.0580	21.5600	-0.0250	
3/7/96	1:59:30	265.9413	21.5600	-0.0250	
3/7/96	2:14:30	280.9413	21.5600	-0.0300	
3/7/96	2:29:30	295.9413	21.5600	-0.0300	
3/7/96	2:44:30	310.9413	21.5600	-0.0300	
3/7/96	2:59:30	325.9413	21.5500	-0.0300	
3/7/96	3:14:30	340.9413	21.5600	-0.0340	
3/7/96	3:29:30	355.9413	21.5600	-0.0390	
3/7/96	3:44:30	370.9413	21.5500	-0.0430	
3/7/96	3:59:30	385.9413	21.5500	-0.0430	
3/7/96	4:14:30	400.9413	21.5500	-0.0530	
3/7/96	4:29:30	415.9413	21.5500	-0.0570	
3/7/96	4:44:30	430.9413	21.5500	-0.0570	
3/7/96	4:59:30	445.9413	21.5400	-0.0530	
3/7/96	5:14:30	460.9413	21.5400	-0.0530	
3/7/96	5:29:30	475.9413	21.5400	-0.0430	
3/7/96	5:44:30	490.9413	21.5400	-0.0430	
3/7/96	5:59:30	505.9413	21.5400	-0.0430	

SWL0006 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/7/96	6:14:30	520.9413	21.5400	-0.0390	
3/7/96	6:29:30	535.9413	21.5400	-0.0340	
3/7/96	6:44:30	550.9413	21.5400	-0.0340	
3/7/96	6:59:30	565.9413	21.5400	-0.0340	
3/7/96	7:14:30	580.9413	21.5400	-0.0340	
3/7/96	7:29:30	595.9413	21.5400	-0.0340	
3/7/96	7:44:30	610.9413	21.5400	-0.0300	
3/7/96	7:59:30	625.9413	21.5400	-0.0250	
3/7/96	8:14:30	640.9413	21.5400	-0.0300	
3/7/96	8:29:30	655.9413	21.5400	-0.0340	
3/7/96	8:44:30	670.9413	21.5400	-0.0300	
3/7/96	8:59:30	685.9413	21.5400	-0.0300	
3/7/96	9:14:30	700.9413	21.5300	-0.0200	
3/7/96	9:29:30	715.9413	21.5300	-0.0250	
3/7/96	9:44:30	730.9413	21.5300	-0.0250	
3/7/96	9:59:30	745.9413	21.5300	-0.0250	
3/7/96	10:14:30	760.9413	21.5300	-0.0300	
3/7/96	10:29:30	775.9413	21.5300	-0.0300	
3/7/96	10:44:30	790.9413	21.5300	-0.0340	
3/7/96	10:59:30	805.9413	21.5300	-0.0390	
3/7/96	11:14:30	820.9413	21.5300	-0.0480	
3/7/96	11:29:30	835.9413	21.5300	-0.0570	
3/7/96	11:44:30	850.9413	21.5300	-0.0620	
3/7/96	11:59:30	865.9413	21.5300	-0.0760	
3/7/96	12:14:30	880.9413	21.5300	-0.0850	
3/7/96	12:29:30	895.9413	21.5300	-0.0940	
3/7/96	12:44:30	910.9413	21.5200	-0.1030	
3/7/96	12:59:30	925.9413	21.5300	-0.1130	
3/7/96	13:14:30	940.9413	21.5300	-0.1220	
3/7/96	13:29:30	955.9413	21.5300	-0.1310	
3/7/96	13:44:30	970.9413	21.5300	-0.1330	
3/7/96	13:59:30	985.9413	21.5300	-0.1380	
3/7/96	14:14:30	1,000.9413	21.5200	-0.1430	
3/7/96	14:29:30	1,015.9413	21.5300	-0.1470	
3/7/96	14:44:30	1,030.9413	21.5300	-0.1520	
3/7/96	14:59:30	1,045.9413	21.5200	-0.1610	
3/7/96	15:14:30	1,060.9413	21.5300	-0.1610	
3/7/96	15:29:30	1,075.9413	21.5200	-0.1660	
3/7/96	15:44:30	1,090.9413	21.5200	-0.1660	
3/7/96	15:59:30	1,105.9413	21.5200	-0.1750	
3/7/96	16:14:30	1,120.9413	21.5200	-0.1790	
3/7/96	16:29:30	1,135.9413	21.5200	-0.1840	
3/7/96	16:44:30	1,150.9413	21.5200	-0.1840	
3/7/96	16:59:30	1,165.9413	21.5200	-0.1790	
3/7/96	17:14:30	1,180.9413	21.5200	-0.1790	
3/7/96	17:29:30	1,195.9413	21.5200	-0.1790	
3/7/96	17:44:30	1,210.9413	21.5200	-0.1700	
3/7/96	17:59:30	1,225.9413	21.5200	-0.1610	
3/7/96	18:14:30	1,240.9413	21.5200	-0.1560	
3/7/96	18:29:30	1,255.9413	21.5200	-0.1610	

SWL0006 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/7/96	18:44:30	1,270.9413	21.5200	-0.1560	
3/7/96	18:59:30	1,285.9413	21.5200	-0.1560	
3/7/96	19:14:30	1,300.9413	21.5200	-0.1560	
3/7/96	19:29:30	1,315.9413	21.5200	-0.1560	
3/7/96	19:44:30	1,330.9413	21.5200	-0.1560	
3/7/96	19:59:30	1,345.9413	21.5200	-0.1660	
3/7/96	20:14:30	1,360.9413	21.5200	-0.1610	
3/7/96	20:29:30	1,375.9413	21.5200	-0.1610	
3/7/96	20:44:30	1,390.9413	21.5200	-0.1610	
3/7/96	20:59:30	1,405.9413	21.5200	-0.1560	
3/7/96	21:14:30	1,420.9413	21.5200	-0.1560	
3/7/96	21:29:30	1,435.9413	21.5200	-0.1520	

SWL0009 Recovery Data

IN_SITU INC.	TROLL			
Serial number:	266.0000			
Unit name:	SWL0009			
Report generated:	3/17/96		20:23:13	
Report from file:	C:\WINSITU\PUMPTE~1\SWL09R.BIN			
Test name:	SWL0009 Recovery			
Test defined on:	3/4/96		13:52:28	
Test started on:	3/5/96		22:29:58	
Test stopped on:	3/7/96		14:27:17	
Test extracted on:	3/11/96		10:35:36	
Data gathered using Logarithmic testing				
Maximum time between data points: 15	Minutes.			
Number of data samples:	300.0000			
Channel number [1]				
Measurement type:	Temperature			
Channel name:	OnBoard Temp			
Channel number [2]				
Measurement type:	Pressure/Level			
Channel name:	OnBoard Pressure			
Specific gravity:	1.0000			
Mode:	TOC			
User-defined reference:	8.9340		Feet H2O	
Referenced on:	test start			
Pressure head at reference:	13.3000		Feet H2O	
			Channel[1]	Channel[2]
Date	Time	ET (min)	Celsius	Feet H2O
———	———	———	———	———
3/5/96	22:30:27	0.0000	22.5100	9.0450
3/5/96	22:30:29	0.0284	22.5000	9.0030
3/5/96	22:30:31	0.0584	22.5000	8.9940
3/5/96	22:30:33	0.0900	22.5000	8.9710
3/5/96	22:30:35	0.1250	22.5000	8.9620
3/5/96	22:30:37	0.1617	22.5000	8.9480
3/5/96	22:30:39	0.2000	22.5000	8.9430
3/5/96	22:30:42	0.2417	22.5000	8.9290
3/5/96	22:30:44	0.2850	22.5000	8.9160
3/5/96	22:30:47	0.3317	22.5000	8.9060
3/5/96	22:30:50	0.3800	22.5000	8.8990
3/5/96	22:30:53	0.4317	22.5000	8.8860
3/5/96	22:30:56	0.4867	22.5000	8.8720
3/5/96	22:31:00	0.5450	22.5000	8.8620
3/5/96	22:31:04	0.6067	22.4900	8.8580
3/5/96	22:31:08	0.6717	22.5000	8.8390
3/5/96	22:31:12	0.7417	22.4900	8.8300

SWL0009 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
3/5/96	22:31:16	0.8150	22.4900	8.8210
3/5/96	22:31:21	0.8934	22.4900	8.8070
3/5/96	22:31:26	0.9767	22.4900	8.7980
3/5/96	22:31:31	1.0650	22.4900	8.7790
3/5/96	22:31:37	1.1584	22.4900	8.7660
3/5/96	22:31:43	1.2567	22.4900	8.7520
3/5/96	22:31:49	1.3617	22.4900	8.7470
3/5/96	22:31:56	1.4717	22.4900	8.7240
3/5/96	22:32:03	1.5884	22.4900	8.7100
3/5/96	22:32:10	1.7134	22.4800	8.6920
3/5/96	22:32:18	1.8450	22.4900	8.6730
3/5/96	22:32:26	1.9850	22.4900	8.6550
3/5/96	22:32:35	2.1334	22.4900	8.6360
3/5/96	22:32:45	2.2900	22.4900	8.6180
3/5/96	22:32:55	2.4567	22.4900	8.6020
3/5/96	22:33:05	2.6334	22.4900	8.5790
3/5/96	22:33:16	2.8200	22.4900	8.5510
3/5/96	22:33:28	3.0184	22.4900	8.5280
3/5/96	22:33:41	3.2284	22.4900	8.5050
3/5/96	22:33:54	3.4500	22.4900	8.4820
3/5/96	22:34:08	3.6850	22.4900	8.4540
3/5/96	22:34:23	3.9334	22.4900	8.4220
3/5/96	22:34:39	4.1967	22.4900	8.3990
3/5/96	22:34:56	4.4767	22.4900	8.3670
3/5/96	22:35:14	4.7734	22.4800	8.3300
3/5/96	22:35:32	5.0867	22.4900	8.3000
3/5/96	22:35:52	5.4184	22.4700	8.2580
3/5/96	22:36:13	5.7700	22.4800	8.2170
3/5/96	22:36:36	6.1434	22.4700	8.1700
3/5/96	22:37:00	6.5384	22.4700	8.1290
3/5/96	22:37:25	6.9567	22.4600	8.0740
3/5/96	22:37:51	7.4000	22.4600	8.0180
3/5/96	22:38:19	7.8700	22.4600	7.9650
3/5/96	22:38:49	8.3684	22.4700	7.9050
3/5/96	22:39:21	8.8950	22.4600	7.8410
3/5/96	22:39:54	9.4534	22.4600	7.7760
3/5/96	22:40:30	10.0450	22.4400	7.7070
3/5/96	22:41:08	10.6717	22.4400	7.6350
3/5/96	22:41:47	11.3350	22.4300	7.5570
3/5/96	22:42:30	12.0384	22.4600	7.4780
3/5/96	22:43:14	12.7834	22.4700	7.3890
3/5/96	22:44:02	13.5734	22.4500	7.3010
3/5/96	22:44:52	14.4100	22.4500	7.2130
3/5/96	22:45:45	15.2950	22.4400	7.1210
3/5/96	22:46:41	16.2334	22.4300	7.0310
3/5/96	22:47:41	17.2267	22.4200	6.9340
3/5/96	22:48:44	18.2800	22.4100	6.8330
3/5/96	22:49:51	19.3950	22.4100	6.7330
3/5/96	22:51:02	20.5767	22.4000	6.6230
3/5/96	22:52:17	21.8284	22.3900	6.5170

SWL0009 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
---	---	---	---	---
3/5/96	22:53:36	23.1534	22.3900	6.4040
3/5/96	22:55:01	24.5584	22.3800	6.2880
3/5/96	22:56:30	26.0467	22.3800	6.1640
3/5/96	22:58:05	27.6217	22.3600	6.0410
3/5/96	22:59:45	29.2900	22.3700	5.9120
3/5/96	23:01:31	31.0584	22.3600	5.7810
3/5/96	23:03:23	32.9317	22.3600	5.6470
3/5/96	23:05:22	34.9150	22.3600	5.5040
3/5/96	23:07:28	37.0167	22.3500	5.3590
3/5/96	23:09:42	39.2434	22.3600	5.2110
3/5/96	23:12:03	41.6017	22.3600	5.0520
3/5/96	23:14:33	44.1000	22.3600	4.8950
3/5/96	23:17:12	46.7467	22.3600	4.7310
3/5/96	23:20:00	49.5500	22.3600	4.5700
3/5/96	23:22:58	52.5184	22.3500	4.4110
3/5/96	23:26:07	55.6634	22.3600	4.2450
3/5/96	23:29:27	58.9950	22.3600	4.0850
3/5/96	23:32:59	62.5234	22.3600	3.9240
3/5/96	23:36:43	66.2617	22.3600	3.7690
3/5/96	23:40:41	70.2217	22.3600	3.6080
3/5/96	23:44:52	74.4150	22.3600	3.4510
3/5/96	23:49:19	78.8584	22.3600	3.3010
3/5/96	23:54:01	83.5650	22.3600	3.1440
3/5/96	23:59:00	88.5500	22.3500	3.0040
3/6/96	0:04:17	93.8300	22.3600	2.8610
3/6/96	0:09:53	99.4234	22.3600	2.7150
3/6/96	0:15:48	105.3484	22.3600	2.5770
3/6/96	0:22:05	111.6234	22.3500	2.4480
3/6/96	0:28:44	118.2717	22.3600	2.3210
3/6/96	0:35:46	125.3134	22.3600	2.1870
3/6/96	0:43:14	132.7717	22.3600	2.0760
3/6/96	0:51:08	140.6717	22.3600	1.9680
3/6/96	0:59:30	149.0400	22.3600	1.8570
3/6/96	1:08:22	157.9050	22.3600	1.7560
3/6/96	1:17:45	167.2950	22.3600	1.5690
3/6/96	1:27:42	177.2417	22.3600	1.4400
3/6/96	1:38:14	187.7784	22.3600	1.3470
3/6/96	1:49:24	198.9384	22.3600	1.2780
3/6/96	2:01:13	210.7600	22.3600	1.2110
3/6/96	2:13:44	223.2817	22.3600	1.1510
3/6/96	2:27:00	236.5467	22.3600	1.0960
3/6/96	2:41:03	250.5967	22.3600	1.0450
3/6/96	2:55:56	265.4800	22.3600	0.9940
3/6/96	3:10:56	280.4800	22.3600	0.9530
3/6/96	3:25:56	295.4800	22.3600	0.9110
3/6/96	3:40:56	310.4800	22.3600	0.8700
3/6/96	3:55:56	325.4800	22.3600	0.8350
3/6/96	4:10:56	340.4800	22.3600	0.7980
3/6/96	4:25:56	355.4800	22.3600	0.7660
3/6/96	4:40:56	370.4800	22.3600	0.7380

SWL0009 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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3/6/96	4:55:56	385.4800	22.3600	0.7110
3/6/96	5:10:56	400.4800	22.3600	0.6880
3/6/96	5:25:56	415.4800	22.3600	0.6690
3/6/96	5:40:56	430.4800	22.3600	0.6460
3/6/96	5:55:56	445.4800	22.3600	0.6280
3/6/96	6:10:56	460.4800	22.3600	0.6090
3/6/96	6:25:56	475.4800	22.3600	0.5860
3/6/96	6:40:56	490.4800	22.3600	0.5720
3/6/96	6:55:56	505.4800	22.3600	0.5540
3/6/96	7:10:56	520.4800	22.3600	0.5450
3/6/96	7:25:56	535.4800	22.3600	0.5310
3/6/96	7:40:56	550.4800	22.3600	0.5170
3/6/96	7:55:56	565.4800	22.3600	0.5080
3/6/96	8:10:56	580.4800	22.3600	0.5030
3/6/96	8:25:56	595.4800	22.3600	0.4940
3/6/96	8:40:56	610.4800	22.3600	0.4800
3/6/96	8:55:56	625.4800	22.3600	0.4750
3/6/96	9:10:56	640.4800	22.3600	0.4710
3/6/96	9:25:56	655.4800	22.3600	0.4620
3/6/96	9:40:56	670.4800	22.3600	0.4520
3/6/96	9:55:56	685.4800	22.3600	0.4450
3/6/96	10:10:56	700.4800	22.3600	0.4360
3/6/96	10:25:56	715.4800	22.3600	0.4270
3/6/96	10:40:56	730.4800	22.3600	0.4220
3/6/96	10:55:56	745.4800	22.3600	0.4130
3/6/96	11:10:56	760.4800	22.3600	0.4040
3/6/96	11:25:56	775.4800	22.3600	0.3950
3/6/96	11:40:56	790.4800	22.3600	0.3990
3/6/96	11:55:56	805.4800	22.3600	0.3760
3/6/96	12:10:56	820.4800	22.3600	0.3670
3/6/96	12:25:56	835.4800	22.3600	0.3580
3/6/96	12:40:56	850.4800	22.3600	0.3490
3/6/96	12:55:56	865.4800	22.3600	0.3390
3/6/96	13:10:56	880.4800	22.3600	0.3300
3/6/96	13:25:56	895.4800	22.3600	0.3260
3/6/96	13:40:56	910.4800	22.3500	0.3160
3/6/96	13:55:56	925.4800	22.3500	0.3070
3/6/96	14:10:56	940.4800	22.3500	0.3020
3/6/96	14:25:56	955.4800	22.3500	0.2930
3/6/96	14:40:56	970.4800	22.3500	0.2890
3/6/96	14:55:56	985.4800	22.3500	0.2790
3/6/96	15:10:56	1,000.4800	22.3500	0.2750
3/6/96	15:25:56	1,015.4800	22.3500	0.2700
3/6/96	15:40:56	1,030.4800	22.3500	0.2660
3/6/96	15:55:56	1,045.4800	22.3600	0.2610
3/6/96	16:10:56	1,060.4800	22.3600	0.2560
3/6/96	16:25:56	1,075.4800	22.3600	0.2520
3/6/96	16:40:56	1,090.4800	22.3600	0.2420
3/6/96	16:55:56	1,105.4800	22.3600	0.2380
3/6/96	17:10:56	1,120.4800	22.3600	0.2380

SWL0009 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
3/6/96	17:25:56	1,135.4800	22.3600	0.2290
3/6/96	17:40:56	1,150.4800	22.3600	0.2240
3/6/96	17:55:56	1,165.4800	22.3600	0.2290
3/6/96	18:10:56	1,180.4800	22.3600	0.2240
3/6/96	18:25:56	1,195.4800	22.3600	0.2240
3/6/96	18:40:56	1,210.4800	22.3600	0.2150
3/6/96	18:55:56	1,225.4800	22.3600	0.2190
3/6/96	19:10:56	1,240.4800	22.3600	0.2190
3/6/96	19:25:56	1,255.4800	22.3600	0.2190
3/6/96	19:40:56	1,270.4800	22.3600	0.2240
3/6/96	19:55:56	1,285.4800	22.3600	0.2190
3/6/96	20:10:56	1,300.4800	22.3600	0.2240
3/6/96	20:25:56	1,315.4800	22.3600	0.2190
3/6/96	20:40:56	1,330.4800	22.3600	0.2190
3/6/96	20:55:56	1,345.4800	22.3600	0.2240
3/6/96	21:10:56	1,360.4800	22.3600	0.2190
3/6/96	21:25:56	1,375.4800	22.3600	0.2240
3/6/96	21:40:56	1,390.4800	22.3600	0.2240
3/6/96	21:55:56	1,405.4800	22.3600	0.2240
3/6/96	22:10:56	1,420.4800	22.3600	0.2240
3/6/96	22:25:56	1,435.4800	22.3600	0.2150
3/6/96	22:40:56	1,450.4800	22.3600	0.2240
3/6/96	22:55:56	1,465.4800	22.3600	0.2290
3/6/96	23:10:56	1,480.4800	22.3600	0.2190
3/6/96	23:25:56	1,495.4800	22.3600	0.2190
3/6/96	23:40:56	1,510.4800	22.3600	0.2150
3/6/96	23:55:56	1,525.4800	22.3600	0.2150
3/7/96	0:10:56	1,540.4800	22.3600	0.2150
3/7/96	0:25:56	1,555.4800	22.3600	0.2100
3/7/96	0:40:56	1,570.4800	22.3600	0.2100
3/7/96	0:55:56	1,585.4800	22.3600	0.2100
3/7/96	1:10:56	1,600.4800	22.3600	0.2100
3/7/96	1:25:56	1,615.4800	22.3600	0.2060
3/7/96	1:40:56	1,630.4800	22.3600	0.2060
3/7/96	1:55:56	1,645.4800	22.3600	0.2010
3/7/96	2:10:56	1,660.4800	22.3600	0.2010
3/7/96	2:25:56	1,675.4800	22.3600	0.1960
3/7/96	2:40:56	1,690.4800	22.3600	0.1920
3/7/96	2:55:56	1,705.4800	22.3600	0.1920
3/7/96	3:10:56	1,720.4800	22.3600	0.1920
3/7/96	3:25:56	1,735.4800	22.3600	0.1870
3/7/96	3:40:56	1,750.4800	22.3600	0.1820
3/7/96	3:55:56	1,765.4800	22.3600	0.1820
3/7/96	4:10:56	1,780.4800	22.3600	0.1780
3/7/96	4:25:56	1,795.4800	22.3600	0.1690
3/7/96	4:40:56	1,810.4800	22.3600	0.1690
3/7/96	4:55:56	1,825.4800	22.3600	0.1690
3/7/96	5:10:56	1,840.4800	22.3600	0.1690
3/7/96	5:25:56	1,855.4800	22.3600	0.1690
3/7/96	5:40:56	1,870.4800	22.3600	0.1690

SWL0009 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
3/7/96	5:55:56	1,885.4800	22.3600	0.1690
3/7/96	6:10:56	1,900.4800	22.3600	0.1690
3/7/96	6:25:56	1,915.4800	22.3600	0.1690
3/7/96	6:40:56	1,930.4800	22.3600	0.1640
3/7/96	6:55:56	1,945.4800	22.3600	0.1690
3/7/96	7:10:56	1,960.4800	22.3600	0.1690
3/7/96	7:25:56	1,975.4800	22.3600	0.1690
3/7/96	7:40:56	1,990.4800	22.3600	0.1690
3/7/96	7:55:56	2,005.4800	22.3500	0.1690
3/7/96	8:10:56	2,020.4800	22.3500	0.1640
3/7/96	8:25:56	2,035.4800	22.3600	0.1690
3/7/96	8:40:56	2,050.4800	22.3600	0.1640
3/7/96	8:55:56	2,065.4800	22.3600	0.1690
3/7/96	9:10:56	2,080.4800	22.3600	0.1690
3/7/96	9:25:56	2,095.4800	22.3600	0.1690
3/7/96	9:40:56	2,110.4800	22.3600	0.1690
3/7/96	9:55:56	2,125.4800	22.3600	0.1690
3/7/96	10:10:56	2,140.4800	22.3500	0.1690
3/7/96	10:25:56	2,155.4800	22.3500	0.1590
3/7/96	10:40:56	2,170.4800	22.3600	0.1590
3/7/96	10:55:56	2,185.4800	22.3600	0.1590
3/7/96	11:10:56	2,200.4800	22.3600	0.1500
3/7/96	11:25:56	2,215.4800	22.3600	0.1460
3/7/96	11:40:56	2,230.4800	22.3600	0.1410
3/7/96	11:55:56	2,245.4800	22.3600	0.1360
3/7/96	12:10:56	2,260.4800	22.3600	0.1270
3/7/96	12:25:56	2,275.4800	22.3500	0.1180
3/7/96	12:40:56	2,290.4800	22.3500	0.1040
3/7/96	12:55:56	2,305.4800	22.3600	0.1040
3/7/96	13:10:56	2,320.4800	22.3600	0.0990
3/7/96	13:25:56	2,335.4800	22.3600	0.0900
3/7/96	13:40:56	2,350.4800	22.3600	0.0860

SWL0011 Recovery Analysis

IN_SITU INC.	TROLL				
Serial number:	266				
Unit name:	SWL0011				
Report generated:	9/18/96	11:33:34			
Report from file:	S:\AXC\DELAMO\PUMPTEST\SWL0011\SWL11R2.BIN				
Test name:	SWLOO11 Recovery				
Test defined on:	3/7/96	14:35:00			
Test started on:	3/15/96	22:19:59			
Test stopped on:	3/18/96	15:31:27			
Test extracted on:	3/18/96	15:32:29			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0	Minutes.				
Number of data samples:	401				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoard Pressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	12.048	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	20.462	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
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3/15/96	22:19:59	0	21.57	12.071	
3/15/96	22:20:00	0.005	21.58	12.043	
3/15/96	22:20:00	0.01	21.58	12.039	
3/15/96	22:20:00	0.015	21.58	11.96	
3/15/96	22:20:01	0.02	21.59	12.053	
3/15/96	22:20:01	0.025	21.59	11.979	
3/15/96	22:20:01	0.03	21.59	11.965	
3/15/96	22:20:02	0.035	21.59	11.877	
3/15/96	22:20:02	0.04	21.59	11.873	
3/15/96	22:20:02	0.045	21.59	11.817	
3/15/96	22:20:02	0.05	21.6	11.741	
3/15/96	22:20:03	0.055	21.61	11.654	
3/15/96	22:20:03	0.06	21.61	11.561	
3/15/96	22:20:03	0.065	21.61	11.446	
3/15/96	22:20:04	0.07	21.61	11.464	
3/15/96	22:20:04	0.075	21.61	11.365	
3/15/96	22:20:04	0.08	21.62	11.227	

SWL0011 Recovery Analysis

Date	Time	ET (min)	Celsius	Feet H2O	
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3/15/96	22:20:05	0.085	21.62	11.056	
3/15/96	22:20:05	0.0908	21.63	11.003	
3/15/96	22:20:05	0.097	21.63	10.842	
3/15/96	22:20:06	0.1035	21.63	10.657	
3/15/96	22:20:06	0.1105	21.63	10.466	
3/15/96	22:20:06	0.1178	21.63	10.35	
3/15/96	22:20:07	0.1257	21.63	10.113	
3/15/96	22:20:07	0.134	21.64	9.774	
3/15/96	22:20:08	0.1428	21.65	9.584	
3/15/96	22:20:09	0.1522	21.66	9.375	
3/15/96	22:20:09	0.162	21.65	9.172	
3/15/96	22:20:10	0.1725	21.66	8.957	
3/15/96	22:20:10	0.1835	21.66	8.74	
3/15/96	22:20:11	0.1952	21.66	8.535	
3/15/96	22:20:12	0.2077	21.65	8.277	
3/15/96	22:20:13	0.2208	21.66	8.071	
3/15/96	22:20:13	0.2348	21.66	7.831	
3/15/96	22:20:14	0.2497	21.66	7.58	
3/15/96	22:20:15	0.2653	21.65	7.294	
3/15/96	22:20:16	0.282	21.66	7.07	
3/15/96	22:20:17	0.2997	21.66	6.807	
3/15/96	22:20:19	0.3183	21.66	6.551	
3/15/96	22:20:20	0.3382	21.66	6.284	
3/15/96	22:20:21	0.3592	21.66	6.018	
3/15/96	22:20:22	0.3813	21.66	5.76	
3/15/96	22:20:24	0.4048	21.66	5.509	
3/15/96	22:20:25	0.4297	21.66	5.25	
3/15/96	22:20:27	0.4547	21.66	5.022	
3/15/96	22:20:28	0.4813	21.66	4.787	
3/15/96	22:20:30	0.5097	21.66	4.563	
3/15/96	22:20:32	0.5397	21.66	4.341	
3/15/96	22:20:34	0.5713	21.66	4.138	
3/15/96	22:20:36	0.6063	21.66	3.942	
3/15/96	22:20:38	0.643	21.66	3.776	
3/15/96	22:20:40	0.6813	21.66	3.624	
3/15/96	22:20:43	0.723	21.66	3.488	
3/15/96	22:20:45	0.7663	21.66	3.377	
3/15/96	22:20:48	0.813	21.65	3.276	
3/15/96	22:20:51	0.8613	21.65	3.174	
3/15/96	22:20:54	0.913	21.64	3.077	
3/15/96	22:20:57	0.968	21.64	2.971	
3/15/96	22:21:01	1.0263	21.64	2.867	
3/15/96	22:21:05	1.088	21.64	2.766	
3/15/96	22:21:09	1.153	21.64	2.664	
3/15/96	22:21:13	1.223	21.64	2.563	
3/15/96	22:21:17	1.2963	21.64	2.461	
3/15/96	22:21:22	1.3747	21.64	2.36	
3/15/96	22:21:27	1.458	21.64	2.265	
3/15/96	22:21:32	1.5463	21.63	2.173	
3/15/96	22:21:38	1.6397	21.63	2.076	

SWL0011 Recovery Analysis

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/15/96	22:21:44	1.738	21.63	1.993	
3/15/96	22:21:50	1.843	21.63	1.901	
3/15/96	22:21:57	1.953	21.63	1.813	
3/15/96	22:22:04	2.0697	21.63	1.739	
3/15/96	22:22:11	2.1947	21.63	1.661	
3/15/96	22:22:19	2.3263	21.63	1.585	
3/15/96	22:22:27	2.4663	21.63	1.516	
3/15/96	22:22:36	2.6147	21.61	1.447	
3/15/96	22:22:46	2.7713	21.62	1.387	
3/15/96	22:22:56	2.938	21.62	1.322	
3/15/96	22:23:06	3.1147	21.62	1.267	
3/15/96	22:23:17	3.3013	21.62	1.211	
3/15/96	22:23:29	3.4997	21.62	1.165	
3/15/96	22:23:42	3.7097	21.62	1.114	
3/15/96	22:23:55	3.9313	21.62	1.068	
3/15/96	22:24:09	4.1663	21.66	1.027	
3/15/96	22:24:24	4.4147	21.64	0.981	
3/15/96	22:24:40	4.678	21.64	0.944	
3/15/96	22:24:57	4.958	21.64	0.904	
3/15/96	22:25:15	5.2547	21.63	0.868	
3/15/96	22:25:33	5.568	21.68	0.84	
3/15/96	22:25:53	5.8997	21.65	0.803	
3/15/96	22:26:14	6.2513	21.65	0.771	
3/15/96	22:26:37	6.6247	21.64	0.743	
3/15/96	22:27:01	7.0197	21.64	0.711	
3/15/96	22:27:26	7.438	21.66	0.688	
3/15/96	22:27:52	7.8813	21.68	0.66	
3/15/96	22:28:20	8.3513	21.69	0.637	
3/15/96	22:28:50	8.8497	21.68	0.614	
3/15/96	22:29:22	9.3763	21.66	0.586	
3/15/96	22:29:55	9.9347	21.66	0.563	
3/15/96	22:30:31	10.5263	21.66	0.545	
3/15/96	22:31:09	11.153	21.64	0.526	
3/15/96	22:31:48	11.8163	21.64	0.512	
3/15/96	22:32:31	12.5197	21.63	0.489	
3/15/96	22:33:15	13.2647	21.62	0.471	
3/15/96	22:34:03	14.0547	21.61	0.452	
3/15/96	22:34:53	14.8913	21.6	0.434	
3/15/96	22:35:46	15.7763	21.59	0.415	
3/15/96	22:36:42	16.7147	21.59	0.402	
3/15/96	22:37:42	17.708	21.58	0.388	
3/15/96	22:38:45	18.7613	21.57	0.374	
3/15/96	22:39:52	19.8763	21.56	0.36	
3/15/96	22:41:03	21.058	21.56	0.342	
3/15/96	22:42:18	22.3097	21.56	0.332	
3/15/96	22:43:37	23.6347	21.55	0.319	
3/15/96	22:45:02	25.0397	21.54	0.305	
3/15/96	22:46:31	26.528	21.53	0.296	
3/15/96	22:48:06	28.103	21.53	0.277	
3/15/96	22:49:46	29.7713	21.52	0.268	

SWL0011 Recovery Analysis

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/15/96	22:51:32	31.5397	21.52	0.259	
3/15/96	22:53:24	33.413	21.52	0.245	
3/15/96	22:55:23	35.3963	21.51	0.236	
3/15/96	22:57:29	37.498	21.5	0.226	
3/15/96	22:59:43	39.7247	21.51	0.217	
3/15/96	23:02:04	42.083	21.5	0.212	
3/15/96	23:04:34	44.5813	21.49	0.203	
3/15/96	23:07:13	47.228	21.49	0.189	
3/15/96	23:10:01	50.0313	21.48	0.18	
3/15/96	23:12:59	52.9997	21.47	0.171	
3/15/96	23:16:08	56.1447	21.46	0.162	
3/15/96	23:19:28	59.4763	21.46	0.153	
3/15/96	23:23:00	63.0047	21.46	0.143	
3/15/96	23:26:44	66.743	21.45	0.139	
3/15/96	23:30:42	70.703	21.45	0.129	
3/15/96	23:34:53	74.8963	21.45	0.116	
3/15/96	23:39:20	79.3397	21.43	0.111	
3/15/96	23:44:02	84.0463	21.42	0.102	
3/15/96	23:49:01	89.0313	21.41	0.097	
3/15/96	23:54:18	94.3113	21.4	0.088	
3/15/96	23:59:54	99.9047	21.39	0.083	
3/16/96	0:05:49	105.8297	21.38	0.074	
3/16/96	0:12:06	112.1047	21.37	0.065	
3/16/96	0:18:45	118.753	21.35	0.06	
3/16/96	0:25:47	125.7947	21.35	0.056	
3/16/96	0:33:15	133.253	21.34	0.046	
3/16/96	0:41:09	141.153	21.34	0.042	
3/16/96	0:49:31	149.5213	21.33	0.033	
3/16/96	0:58:23	158.3863	21.32	0.028	
3/16/96	1:07:46	167.7763	21.31	0.019	
3/16/96	1:17:43	177.723	21.3	0.014	
3/16/96	1:28:15	188.2597	21.29	0.005	
3/16/96	1:39:25	199.4197	21.29	0.005	
3/16/96	1:51:14	211.2413	21.28	-0.004	
3/16/96	2:03:45	223.763	21.27	-0.014	
3/16/96	2:17:01	237.028	21.27	-0.014	
3/16/96	2:31:04	251.078	21.26	-0.023	
3/16/96	2:45:57	265.9613	21.25	-0.027	
3/16/96	3:00:57	280.9613	21.24	-0.032	
3/16/96	3:15:57	295.9613	21.24	-0.032	
3/16/96	3:30:57	310.9613	21.24	-0.041	
3/16/96	3:45:57	325.9613	21.24	-0.046	
3/16/96	4:00:57	340.9613	21.23	-0.05	
3/16/96	4:15:57	355.9613	21.22	-0.05	
3/16/96	4:30:57	370.9613	21.22	-0.055	
3/16/96	4:45:57	385.9613	21.22	-0.055	
3/16/96	5:00:57	400.9613	21.21	-0.064	
3/16/96	5:15:57	415.9613	21.2	-0.064	
3/16/96	5:30:57	430.9613	21.21	-0.064	
3/16/96	5:45:57	445.9613	21.2	-0.069	

SWL0011 Recovery Analysis

Date	Time	ET (min)	Celsius	Feet H2O	
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3/16/96	6:00:57	460.9613	21.2	-0.069	
3/16/96	6:15:57	475.9613	21.2	-0.069	
3/16/96	6:30:57	490.9613	21.2	-0.069	
3/16/96	6:45:57	505.9613	21.19	-0.069	
3/16/96	7:00:57	520.9613	21.19	-0.069	
3/16/96	7:15:57	535.9613	21.19	-0.069	
3/16/96	7:30:57	550.9613	21.19	-0.069	
3/16/96	7:45:57	565.9613	21.18	-0.069	
3/16/96	8:00:57	580.9613	21.18	-0.069	
3/16/96	8:15:57	595.9613	21.18	-0.069	
3/16/96	8:30:57	610.9613	21.18	-0.069	
3/16/96	8:45:57	625.9613	21.18	-0.064	
3/16/96	9:00:57	640.9613	21.17	-0.064	
3/16/96	9:15:57	655.9613	21.17	-0.064	
3/16/96	9:30:57	670.9613	21.17	-0.064	
3/16/96	9:45:57	685.9613	21.17	-0.064	
3/16/96	10:00:57	700.9613	21.16	-0.064	
3/16/96	10:15:57	715.9613	21.16	-0.064	
3/16/96	10:30:57	730.9613	21.16	-0.069	
3/16/96	10:45:57	745.9613	21.17	-0.069	
3/16/96	11:00:57	760.9613	21.16	-0.069	
3/16/96	11:15:57	775.9613	21.16	-0.074	
3/16/96	11:30:57	790.9613	21.16	-0.074	
3/16/96	11:45:57	805.9613	21.16	-0.078	
3/16/96	12:00:57	820.9613	21.16	-0.078	
3/16/96	12:15:57	835.9613	21.16	-0.083	
3/16/96	12:30:57	850.9613	21.16	-0.087	
3/16/96	12:45:57	865.9613	21.16	-0.087	
3/16/96	13:00:57	880.9613	21.15	-0.092	
3/16/96	13:15:57	895.9613	21.15	-0.092	
3/16/96	13:30:57	910.9613	21.15	-0.101	
3/16/96	13:45:57	925.9613	21.15	-0.106	
3/16/96	14:00:57	940.9613	21.15	-0.106	
3/16/96	14:15:57	955.9613	21.14	-0.106	
3/16/96	14:30:57	970.9613	21.14	-0.115	
3/16/96	14:45:57	985.9613	21.14	-0.12	
3/16/96	15:00:57	1000.961	21.14	-0.12	
3/16/96	15:15:57	1015.961	21.14	-0.12	
3/16/96	15:30:57	1030.961	21.14	-0.124	
3/16/96	15:45:57	1045.961	21.14	-0.124	
3/16/96	16:00:57	1060.961	21.14	-0.124	
3/16/96	16:15:57	1075.961	21.14	-0.124	
3/16/96	16:30:57	1090.961	21.14	-0.124	

SWL0012 Recovery Data

IN_SITU INC.	TROLL				
Serial number:	750				
Unit name:	SWL0012				
Report generated:	3/17/96	15:13:56			
Report from file:	C:\WINSITU\PUMPTE~1\SWL12R.BIN				
Test name:	SWL0012 Recovery				
Test defined on:	3/13/96	8:42:55			
Test started on:	3/13/96	15:37:58			
Test stopped on:	3/15/96	8:52:22			
Test extracted on:	3/15/96	8:52:48			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0	Minutes.				
Number of data samples:	305				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoardTemp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoardPressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	12.472	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	3.608	Feet H2O			
				Channel[1]	Channel[2]
Date	Time	ET (min)		Celsius	Feet H2O
———	———	———		———	———
3/13/96	15:38:02	0.005	0	22.35	12.472
3/13/96	15:38:03	0.01	0.005	22.35	12.472
3/13/96	15:38:03	0.015	0.01	22.36	12.472
3/13/96	15:38:03	0.02	0.015	22.36	12.467
3/13/96	15:38:04	0.025	0.02	22.36	12.467
3/13/96	15:38:04	0.0308	0.0258	22.37	12.465
3/13/96	15:38:04	0.037	0.032	22.37	12.465
3/13/96	15:38:05	0.0435	0.0385	22.37	12.46
3/13/96	15:38:05	0.0505	0.0455	22.38	12.46
3/13/96	15:38:05	0.0578	0.0528	22.38	12.456
3/13/96	15:38:06	0.0657	0.0607	22.39	12.456
3/13/96	15:38:06	0.074	0.069	22.42	12.442
3/13/96	15:38:07	0.0828	0.0778	22.42	12.433
3/13/96	15:38:08	0.0922	0.0872	22.42	12.428

SWL0012 Recovery Data

Date	Time	ET (min)		Celsius	Feet H2O
3/13/96	15:38:08	0.102	0.097	22.42	12.419
3/13/96	15:38:09	0.1125	0.1075	22.42	12.41
3/13/96	15:38:09	0.1235	0.1185	22.43	12.405
3/13/96	15:38:10	0.1352	0.1302	22.43	12.391
3/13/96	15:38:11	0.1477	0.1427	22.43	12.382
3/13/96	15:38:12	0.1608	0.1558	22.43	12.368
3/13/96	15:38:12	0.1748	0.1698	22.43	12.359
3/13/96	15:38:13	0.1897	0.1847	22.43	12.345
3/13/96	15:38:14	0.2053	0.2003	22.43	12.334
3/13/96	15:38:15	0.222	0.217	22.43	12.32
3/13/96	15:38:16	0.2397	0.2347	22.44	12.301
3/13/96	15:38:18	0.2583	0.2533	22.43	12.287
3/13/96	15:38:19	0.2782	0.2732	22.44	12.269
3/13/96	15:38:20	0.2992	0.2942	22.44	12.251
3/13/96	15:38:21	0.3213	0.3163	22.44	12.232
3/13/96	15:38:23	0.3448	0.3398	22.44	12.209
3/13/96	15:38:24	0.3697	0.3647	22.44	12.186
3/13/96	15:38:26	0.3947	0.3897	22.44	12.163
3/13/96	15:38:27	0.4213	0.4163	22.44	12.138
3/13/96	15:38:29	0.4497	0.4447	22.45	12.114
3/13/96	15:38:31	0.4797	0.4747	22.45	12.087
3/13/96	15:38:33	0.5113	0.5063	22.45	12.059
3/13/96	15:38:35	0.5463	0.5413	22.45	12.022
3/13/96	15:38:37	0.583	0.578	22.45	11.995
3/13/96	15:38:39	0.6213	0.6163	22.45	11.955
3/13/96	15:38:42	0.663	0.658	22.45	11.918
3/13/96	15:38:44	0.7063	0.7013	22.45	11.877
3/13/96	15:38:47	0.753	0.748	22.45	11.84
3/13/96	15:38:50	0.8013	0.7963	22.45	11.822
3/13/96	15:38:53	0.853	0.848	22.45	11.771
3/13/96	15:38:56	0.908	0.903	22.45	11.727
3/13/96	15:39:00	0.9663	0.9613	22.45	11.672
3/13/96	15:39:04	1.028	1.023	22.45	11.602
3/13/96	15:39:08	1.093	1.088	22.46	11.531
3/13/96	15:39:12	1.163	1.158	22.45	11.462
3/13/96	15:39:16	1.2363	1.2313	22.45	11.392
3/13/96	15:39:21	1.3147	1.3097	22.45	11.312
3/13/96	15:39:26	1.398	1.393	22.45	11.233
3/13/96	15:39:31	1.4863	1.4813	22.45	11.148
3/13/96	15:39:37	1.5797	1.5747	22.45	11.046
3/13/96	15:39:43	1.678	1.673	22.45	10.929
3/13/96	15:39:49	1.783	1.778	22.45	10.827
3/13/96	15:39:56	1.893	1.888	22.45	10.724
3/13/96	15:40:03	2.0097	2.0047	22.45	10.599
3/13/96	15:40:10	2.1347	2.1297	22.44	10.468
3/13/96	15:40:18	2.2663	2.2613	22.45	10.322
3/13/96	15:40:26	2.4063	2.4013	22.45	10.175

SWL0012 Recovery Data

Date	Time	ET (min)		Celsius	Feet H2O
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3/13/96	15:40:35	2.5547	2.5497	22.45	10.029
3/13/96	15:40:45	2.7113	2.7063	22.45	9.842
3/13/96	15:40:55	2.878	2.873	22.45	9.683
3/13/96	15:41:05	3.0547	3.0497	22.45	9.531
3/13/96	15:41:16	3.2413	3.2363	22.45	9.372
3/13/96	15:41:28	3.4397	3.4347	22.45	9.19
3/13/96	15:41:41	3.6497	3.6447	22.45	8.994
3/13/96	15:41:54	3.8713	3.8663	22.45	8.788
3/13/96	15:42:08	4.1063	4.1013	22.45	8.574
3/13/96	15:42:23	4.3547	4.3497	22.44	8.35
3/13/96	15:42:39	4.618	4.613	22.45	8.122
3/13/96	15:42:56	4.898	4.893	22.44	7.879
3/13/96	15:43:14	5.1947	5.1897	22.44	7.628
3/13/96	15:43:32	5.508	5.503	22.44	7.365
3/13/96	15:43:52	5.8397	5.8347	22.44	7.095
3/13/96	15:44:13	6.1913	6.1863	22.43	6.821
3/13/96	15:44:36	6.5647	6.5597	22.43	6.546
3/13/96	15:45:00	6.9597	6.9547	22.43	6.253
3/13/96	15:45:25	7.378	7.373	22.43	5.963
3/13/96	15:45:51	7.8213	7.8163	22.42	5.665
3/13/96	15:46:19	8.2913	8.2863	22.42	5.349
3/13/96	15:46:49	8.7897	8.7847	22.41	5.021
3/13/96	15:47:21	9.3163	9.3113	22.41	4.724
3/13/96	15:47:54	9.8747	9.8697	22.4	4.431
3/13/96	15:48:30	10.4663	10.4613	22.4	4.126
3/13/96	15:49:08	11.093	11.088	22.4	3.838
3/13/96	15:49:47	11.7563	11.7513	22.39	3.55
3/13/96	15:50:30	12.4597	12.4547	22.38	3.261
3/13/96	15:51:14	13.2047	13.1997	22.4	2.982
3/13/96	15:52:02	13.9947	13.9897	22.39	2.722
3/13/96	15:52:52	14.8313	14.8263	22.38	2.461
3/13/96	15:53:45	15.7163	15.7113	22.38	2.214
3/13/96	15:54:41	16.6547	16.6497	22.38	1.995
3/13/96	15:55:41	17.648	17.643	22.37	1.781
3/13/96	15:56:44	18.7013	18.6963	22.37	1.589
3/13/96	15:57:51	19.8163	19.8113	22.36	1.414
3/13/96	15:59:02	20.998	20.993	22.36	1.259
3/13/96	16:00:17	22.2497	22.2447	22.36	1.119
3/13/96	16:01:36	23.5747	23.5697	22.35	0.999
3/13/96	16:03:01	24.9797	24.9747	22.39	0.895
3/13/96	16:04:30	26.468	26.463	22.44	0.793
3/13/96	16:06:05	28.043	28.038	22.42	0.724
3/13/96	16:07:45	29.7113	29.7063	22.41	0.653
3/13/96	16:09:31	31.4797	31.4747	22.4	0.597
3/13/96	16:11:23	33.353	33.348	22.43	0.551
3/13/96	16:13:22	35.3363	35.3313	22.47	0.51
3/13/96	16:15:28	37.438	37.433	22.44	0.473

SWL0012 Recovery Data

Date	Time	ET (min)		Celsius	Feet H2O
3/13/96	16:17:42	39.6647	39.6597	22.41	0.44
3/13/96	16:20:03	42.023	42.018	22.41	0.415
3/13/96	16:22:33	44.5213	44.5163	22.39	0.397
3/13/96	16:25:12	47.168	47.163	22.37	0.374
3/13/96	16:28:00	49.9713	49.9663	22.37	0.355
3/13/96	16:30:58	52.9397	52.9347	22.35	0.341
3/13/96	16:34:07	56.0847	56.0797	22.34	0.327
3/13/96	16:37:27	59.4163	59.4113	22.34	0.318
3/13/96	16:40:59	62.9447	62.9397	22.34	0.309
3/13/96	16:44:43	66.683	66.678	22.33	0.3
3/13/96	16:48:41	70.643	70.638	22.33	0.286
3/13/96	16:52:52	74.8363	74.8313	22.33	0.281
3/13/96	16:57:19	79.2797	79.2747	22.33	0.272
3/13/96	17:02:01	83.9863	83.9813	22.33	0.267
3/13/96	17:07:00	88.9713	88.9663	22.34	0.254
3/13/96	17:12:17	94.2513	94.2463	22.34	0.249
3/13/96	17:17:53	99.8447	99.8397	22.34	0.244
3/13/96	17:23:48	105.7697	105.7647	22.34	0.244
3/13/96	17:30:05	112.0447	112.0397	22.34	0.244
3/13/96	17:36:44	118.693	118.688	22.34	0.235
3/13/96	17:43:46	125.7347	125.7297	22.34	0.235
3/13/96	17:51:14	133.193	133.188	22.34	0.231
3/13/96	17:59:08	141.093	141.088	22.34	0.226
3/13/96	18:07:30	149.4613	149.4563	22.34	0.226
3/13/96	18:16:22	158.3263	158.3213	22.34	0.226
3/13/96	18:25:45	167.7163	167.7113	22.34	0.231
3/13/96	18:35:42	177.663	177.658	22.35	0.231
3/13/96	18:46:14	188.1997	188.1947	22.35	0.231
3/13/96	18:57:24	199.3597	199.3547	22.35	0.231
3/13/96	19:09:13	211.1813	211.1763	22.35	0.231
3/13/96	19:21:44	223.703	223.698	22.35	0.231
3/13/96	19:35:00	236.968	236.963	22.35	0.24
3/13/96	19:49:03	251.018	251.013	22.35	0.244
3/13/96	20:03:56	265.9013	265.8963	22.35	0.249
3/13/96	20:18:56	280.9013	280.8963	22.35	0.258
3/13/96	20:33:56	295.9013	295.8963	22.36	0.263
3/13/96	20:48:56	310.9013	310.8963	22.36	0.263
3/13/96	21:03:56	325.9013	325.8963	22.36	0.263
3/13/96	21:18:56	340.9013	340.8963	22.36	0.267
3/13/96	21:33:56	355.9013	355.8963	22.36	0.272
3/13/96	21:48:56	370.9013	370.8963	22.36	0.272
3/13/96	22:03:56	385.9013	385.8963	22.36	0.272
3/13/96	22:18:56	400.9013	400.8963	22.36	0.272
3/13/96	22:33:56	415.9013	415.8963	22.36	0.267
3/13/96	22:48:56	430.9013	430.8963	22.36	0.263
3/13/96	23:03:56	445.9013	445.8963	22.37	0.254
3/13/96	23:18:56	460.9013	460.8963	22.36	0.254

SWL0012 Recovery Data

Date	Time	ET (min)		Celsius	Feet H2O
3/13/96	23:33:56	475.9013	475.8963	22.37	0.254
3/13/96	23:48:56	490.9013	490.8963	22.37	0.254
3/14/96	0:03:56	505.9013	505.8963	22.37	0.254
3/14/96	0:18:56	520.9013	520.8963	22.37	0.254
3/14/96	0:33:56	535.9013	535.8963	22.37	0.254
3/14/96	0:48:56	550.9013	550.8963	22.37	0.258
3/14/96	1:03:56	565.9013	565.8963	22.37	0.258
3/14/96	1:18:56	580.9013	580.8963	22.37	0.263
3/14/96	1:33:56	595.9013	595.8963	22.37	0.263
3/14/96	1:48:56	610.9013	610.8963	22.37	0.263
3/14/96	2:03:56	625.9013	625.8963	22.37	0.263
3/14/96	2:18:56	640.9013	640.8963	22.37	0.258
3/14/96	2:33:56	655.9013	655.8963	22.37	0.249
3/14/96	2:48:56	670.9013	670.8963	22.37	0.244
3/14/96	3:03:56	685.9013	685.8963	22.37	0.254
3/14/96	3:18:56	700.9013	700.8963	22.37	0.254
3/14/96	3:33:56	715.9013	715.8963	22.37	0.254
3/14/96	3:48:56	730.9013	730.8963	22.38	0.254
3/14/96	4:03:56	745.9013	745.8963	22.37	0.254
3/14/96	4:18:56	760.9013	760.8963	22.38	0.258
3/14/96	4:33:56	775.9013	775.8963	22.38	0.263
3/14/96	4:48:56	790.9013	790.8963	22.37	0.272
3/14/96	5:03:56	805.9013	805.8963	22.38	0.267
3/14/96	5:18:56	820.9013	820.8963	22.38	0.277
3/14/96	5:33:56	835.9013	835.8963	22.38	0.286
3/14/96	5:48:56	850.9013	850.8963	22.38	0.295
3/14/96	6:03:56	865.9013	865.8963	22.37	0.295
3/14/96	6:18:56	880.9013	880.8963	22.37	0.295
3/14/96	6:33:56	895.9013	895.8963	22.37	0.3
3/14/96	6:48:56	910.9013	910.8963	22.37	0.304
3/14/96	7:03:56	925.9013	925.8963	22.38	0.309
3/14/96	7:18:56	940.9013	940.8963	22.38	0.304
3/14/96	7:33:56	955.9013	955.8963	22.37	0.304
3/14/96	7:48:56	970.9013	970.8963	22.37	0.3
3/14/96	8:03:56	985.9013	985.8963	22.38	0.309
3/14/96	8:18:56	1000.901	1000.896	22.37	0.318
3/14/96	8:33:56	1015.901	1015.896	22.38	0.318
3/14/96	8:48:56	1030.901	1030.896	22.38	0.309
3/14/96	9:03:56	1045.901	1045.896	22.38	0.309
3/14/96	9:18:56	1060.901	1060.896	22.38	0.304
3/14/96	9:33:56	1075.901	1075.896	22.38	0.309
3/14/96	9:48:56	1090.901	1090.896	22.38	0.309
3/14/96	10:03:56	1105.901	1105.896	22.37	0.318
3/14/96	10:18:56	1120.901	1120.896	22.38	0.318
3/14/96	10:33:56	1135.901	1135.896	22.38	0.323
3/14/96	10:48:56	1150.901	1150.896	22.38	0.323
3/14/96	11:03:56	1165.901	1165.896	22.38	0.318

SWL0012 Recovery Data

Date	Time	ET (min)		Celsius	Feet H2O
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3/14/96	11:18:56	1180.901	1180.896	22.38	0.314
3/14/96	11:33:56	1195.901	1195.896	22.38	0.314
3/14/96	11:48:56	1210.901	1210.896	22.38	0.309
3/14/96	12:03:56	1225.901	1225.896	22.38	0.304
3/14/96	12:18:56	1240.901	1240.896	22.38	0.295
3/14/96	12:33:56	1255.901	1255.896	22.38	0.3
3/14/96	12:48:56	1270.901	1270.896	22.38	0.295
3/14/96	13:03:56	1285.901	1285.896	22.38	0.295
3/14/96	13:18:56	1300.901	1300.896	22.38	0.295
3/14/96	13:33:56	1315.901	1315.896	22.38	0.29
3/14/96	13:48:56	1330.901	1330.896	22.38	0.29
3/14/96	14:03:56	1345.901	1345.896	22.38	0.281
3/14/96	14:18:56	1360.901	1360.896	22.38	0.281
3/14/96	14:33:56	1375.901	1375.896	22.38	0.286
3/14/96	14:48:56	1390.901	1390.896	22.38	0.29
3/14/96	15:03:56	1405.901	1405.896	22.38	0.286
3/14/96	15:18:56	1420.901	1420.896	22.38	0.295
3/14/96	15:33:56	1435.901	1435.896	22.38	0.3

SWl0014 Recovery Data

IN_SITU INC.	TROLL				
Serial number:	751				
Unit name:	SWL0023				
Report generated:	9/19/96	14:44:30			
Report from file:	S:\AXC\DELAMO\PUMPTEST\SWL0014\SWL14R.BIN				
Test name:	swl0014 recovery				
Test defined on:	4/22/96	17:58:37			
Test started on:	4/22/96	17:59:59			
Test stopped on:	4/23/96	11:19:48			
Test extracted on:	4/24/96	13:18:18			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0	Minutes.				
Number of data samples:	209				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	Pressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	3.255	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	2.184	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
———	———	———	———	———	
4/22/96	17:59:59	0	23.2	3.26	
4/22/96	18:00:00	0.005	23.21	3.25	
4/22/96	18:00:00	0.01	23.21	3.237	
4/22/96	18:00:00	0.015	23.22	3.241	
4/22/96	18:00:01	0.02	23.22	3.239	
4/22/96	18:00:01	0.025	23.22	3.22	
4/22/96	18:00:01	0.03	23.22	3.207	
4/22/96	18:00:02	0.035	23.23	3.188	
4/22/96	18:00:02	0.04	23.23	2.932	
4/22/96	18:00:02	0.045	23.24	3.14	
4/22/96	18:00:02	0.05	23.24	3.098	
4/22/96	18:00:03	0.055	23.24	3.068	
4/22/96	18:00:03	0.06	23.24	3.027	
4/22/96	18:00:03	0.065	23.24	2.992	

SWI0014 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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4/22/96	18:00:04	0.07	23.25	2.955	
4/22/96	18:00:04	0.075	23.25	2.921	
4/22/96	18:00:04	0.08	23.25	2.902	
4/22/96	18:00:05	0.085	23.25	2.861	
4/22/96	18:00:05	0.0908	23.25	2.808	
4/22/96	18:00:05	0.097	23.26	2.761	
4/22/96	18:00:06	0.1035	23.26	2.704	
4/22/96	18:00:06	0.1105	23.27	2.694	
4/22/96	18:00:06	0.1178	23.26	2.655	
4/22/96	18:00:07	0.1257	23.27	2.588	
4/22/96	18:00:07	0.134	23.29	2.519	
4/22/96	18:00:08	0.1428	23.29	2.471	
4/22/96	18:00:09	0.1522	23.29	2.422	
4/22/96	18:00:09	0.162	23.29	2.372	
4/22/96	18:00:10	0.1725	23.29	2.314	
4/22/96	18:00:10	0.1835	23.29	2.261	
4/22/96	18:00:11	0.1952	23.29	2.205	
4/22/96	18:00:12	0.2077	23.29	2.143	
4/22/96	18:00:13	0.2208	23.29	2.081	
4/22/96	18:00:13	0.2348	23.29	2.021	
4/22/96	18:00:14	0.2497	23.29	1.959	
4/22/96	18:00:15	0.2653	23.29	1.896	
4/22/96	18:00:16	0.282	23.29	1.827	
4/22/96	18:00:17	0.2997	23.29	1.76	
4/22/96	18:00:19	0.3183	23.29	1.693	
4/22/96	18:00:20	0.3382	23.28	1.626	
4/22/96	18:00:21	0.3592	23.28	1.555	
4/22/96	18:00:22	0.3813	23.28	1.486	
4/22/96	18:00:24	0.4048	23.28	1.419	
4/22/96	18:00:25	0.4297	23.27	1.347	
4/22/96	18:00:27	0.4547	23.27	1.285	
4/22/96	18:00:28	0.4813	23.27	1.216	
4/22/96	18:00:30	0.5097	23.27	1.149	
4/22/96	18:00:32	0.5397	23.27	1.091	
4/22/96	18:00:34	0.5713	23.27	1.029	
4/22/96	18:00:36	0.6063	23.26	0.964	
4/22/96	18:00:38	0.643	23.25	0.902	
4/22/96	18:00:40	0.6813	23.25	0.842	
4/22/96	18:00:43	0.723	23.25	0.785	
4/22/96	18:00:45	0.7663	23.24	0.732	
4/22/96	18:00:48	0.813	23.24	0.676	
4/22/96	18:00:51	0.8613	23.24	0.632	
4/22/96	18:00:54	0.913	23.23	0.582	
4/22/96	18:00:57	0.968	23.22	0.542	
4/22/96	18:01:01	1.0263	23.22	0.501	
4/22/96	18:01:05	1.088	23.22	0.462	
4/22/96	18:01:09	1.153	23.2	0.429	

SWI0014 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
4/22/96	18:01:13	1.223	23.19	0.397	
4/22/96	18:01:17	1.2963	23.19	0.369	
4/22/96	18:01:22	1.3747	23.18	0.344	
4/22/96	18:01:27	1.458	23.17	0.316	
4/22/96	18:01:32	1.5463	23.16	0.298	
4/22/96	18:01:38	1.6397	23.15	0.279	
4/22/96	18:01:44	1.738	23.14	0.266	
4/22/96	18:01:50	1.843	23.12	0.247	
4/22/96	18:01:57	1.953	23.11	0.238	
4/22/96	18:02:04	2.0697	23.11	0.229	
4/22/96	18:02:11	2.1947	23.09	0.219	
4/22/96	18:02:19	2.3263	23.08	0.215	
4/22/96	18:02:27	2.4663	23.07	0.206	
4/22/96	18:02:36	2.6147	23.06	0.196	
4/22/96	18:02:46	2.7713	23.05	0.192	
4/22/96	18:02:56	2.938	23.05	0.187	
4/22/96	18:03:06	3.1147	23.03	0.187	
4/22/96	18:03:17	3.3013	23.02	0.183	
4/22/96	18:03:29	3.4997	23.01	0.178	
4/22/96	18:03:42	3.7097	23.01	0.173	
4/22/96	18:03:55	3.9313	23	0.173	
4/22/96	18:04:09	4.1663	23.05	0.173	
4/22/96	18:04:24	4.4147	23.01	0.164	
4/22/96	18:04:40	4.678	23.03	0.164	
4/22/96	18:04:57	4.958	23.01	0.159	
4/22/96	18:05:15	5.2547	23	0.159	
4/22/96	18:05:33	5.568	22.98	0.155	
4/22/96	18:05:53	5.8997	22.98	0.15	
4/22/96	18:06:14	6.2513	22.97	0.15	
4/22/96	18:06:37	6.6247	22.96	0.146	
4/22/96	18:07:01	7.0197	22.96	0.146	
4/22/96	18:07:26	7.438	22.95	0.141	
4/22/96	18:07:52	7.8813	22.95	0.136	
4/22/96	18:08:20	8.3513	22.94	0.136	
4/22/96	18:08:50	8.8497	22.95	0.132	
4/22/96	18:09:22	9.3763	22.94	0.127	
4/22/96	18:09:55	9.9347	22.95	0.127	
4/22/96	18:10:31	10.5263	22.95	0.123	
4/22/96	18:11:09	11.153	22.95	0.118	
4/22/96	18:11:48	11.8163	22.95	0.118	
4/22/96	18:12:31	12.5197	22.96	0.113	
4/22/96	18:13:15	13.2647	22.96	0.111	
4/22/96	18:14:03	14.0547	22.97	0.111	
4/22/96	18:14:53	14.8913	22.98	0.106	
4/22/96	18:15:46	15.7763	22.98	0.106	
4/22/96	18:16:42	16.7147	22.98	0.102	
4/22/96	18:17:42	17.708	22.98	0.097	

SWI0014 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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4/22/96	18:18:45	18.7613	23	0.097	
4/22/96	18:19:52	19.8763	23	0.097	
4/22/96	18:21:03	21.058	23.01	0.093	
4/22/96	18:22:18	22.3097	23.02	0.088	
4/22/96	18:23:37	23.6347	23.03	0.088	
4/22/96	18:25:02	25.0397	23.03	0.083	
4/22/96	18:26:31	26.528	23.04	0.083	
4/22/96	18:28:06	28.103	23.04	0.081	
4/22/96	18:29:46	29.7713	23.05	0.076	
4/22/96	18:31:32	31.5397	23.05	0.072	
4/22/96	18:33:24	33.413	23.05	0.072	
4/22/96	18:35:23	35.3963	23.05	0.072	
4/22/96	18:37:29	37.498	23.06	0.067	
4/22/96	18:39:43	39.7247	23.06	0.067	
4/22/96	18:42:04	42.083	23.06	0.063	
4/22/96	18:44:34	44.5813	23.05	0.063	
4/22/96	18:47:13	47.228	23.06	0.058	
4/22/96	18:50:01	50.0313	23.06	0.058	
4/22/96	18:52:59	52.9997	23.06	0.053	
4/22/96	18:56:08	56.1447	23.06	0.053	
4/22/96	18:59:28	59.4763	23.06	0.049	
4/22/96	19:03:00	63.0047	23.07	0.049	
4/22/96	19:06:44	66.743	23.08	0.044	
4/22/96	19:10:42	70.703	23.08	0.04	
4/22/96	19:14:53	74.8963	23.08	0.04	
4/22/96	19:19:20	79.3397	23.09	0.04	
4/22/96	19:24:02	84.0463	23.1	0.037	
4/22/96	19:29:01	89.0313	23.1	0.033	
4/22/96	19:34:18	94.3113	23.11	0.033	
4/22/96	19:39:54	99.9047	23.12	0.028	
4/22/96	19:45:49	105.8297	23.12	0.028	
4/22/96	19:52:06	112.1047	23.13	0.023	
4/22/96	19:58:45	118.753	23.14	0.023	
4/22/96	20:05:47	125.7947	23.14	0.019	
4/22/96	20:13:15	133.253	23.16	0.019	
4/22/96	20:21:09	141.153	23.17	0.019	
4/22/96	20:29:31	149.5213	23.17	0.014	
4/22/96	20:38:23	158.3863	23.18	0.014	
4/22/96	20:47:46	167.7763	23.19	0.012	
4/22/96	20:57:43	177.723	23.2	0.012	
4/22/96	21:08:15	188.2597	23.21	0.012	
4/22/96	21:19:25	199.4197	23.22	0.012	
4/22/96	21:31:14	211.2413	23.22	0.012	
4/22/96	21:43:45	223.763	23.23	0.007	
4/22/96	21:57:01	237.028	23.24	0.012	
4/22/96	22:11:04	251.078	23.25	0.012	
4/22/96	22:25:57	265.9613	23.25	0.007	

SWI0014 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
4/22/96	22:40:57	280.9613	23.26	0.007	
4/22/96	22:55:57	295.9613	23.27	0.007	
4/22/96	23:10:57	310.9613	23.28	0.003	
4/22/96	23:25:57	325.9613	23.28	0.007	
4/22/96	23:40:57	340.9613	23.29	0.007	
4/22/96	23:55:57	355.9613	23.29	0.003	
4/23/96	0:10:57	370.9613	23.3	0.003	
4/23/96	0:25:57	385.9613	23.3	0.003	
4/23/96	0:40:57	400.9613	23.3	0.007	
4/23/96	0:55:57	415.9613	23.31	0.007	
4/23/96	1:10:57	430.9613	23.31	0.005	
4/23/96	1:25:57	445.9613	23.32	0.005	
4/23/96	1:40:57	460.9613	23.32	0.01	
4/23/96	1:55:57	475.9613	23.32	0.005	
4/23/96	2:10:57	490.9613	23.32	0.005	
4/23/96	2:25:57	505.9613	23.33	0	
4/23/96	2:40:57	520.9613	23.34	0.005	
4/23/96	2:55:57	535.9613	23.33	0	
4/23/96	3:10:57	550.9613	23.33	0	
4/23/96	3:25:57	565.9613	23.34	0	
4/23/96	3:40:57	580.9613	23.34	0	
4/23/96	3:55:57	595.9613	23.34	0	
4/23/96	4:10:57	610.9613	23.34	0	
4/23/96	4:25:57	625.9613	23.34	-0.004	
4/23/96	4:40:57	640.9613	23.35	-0.004	
4/23/96	4:55:57	655.9613	23.35	-0.004	
4/23/96	5:10:57	670.9613	23.35	-0.009	
4/23/96	5:25:57	685.9613	23.35	-0.004	
4/23/96	5:40:57	700.9613	23.35	-0.004	
4/23/96	5:55:57	715.9613	23.35	-0.009	
4/23/96	6:10:57	730.9613	23.35	-0.009	
4/23/96	6:25:57	745.9613	23.35	-0.004	
4/23/96	6:40:57	760.9613	23.36	-0.009	
4/23/96	6:55:57	775.9613	23.35	-0.004	
4/23/96	7:10:57	790.9613	23.36	-0.009	
4/23/96	7:25:57	805.9613	23.35	-0.004	
4/23/96	7:40:57	820.9613	23.36	-0.004	
4/23/96	7:55:57	835.9613	23.36	-0.009	
4/23/96	8:10:57	850.9613	23.36	-0.004	
4/23/96	8:25:57	865.9613	23.36	-0.004	
4/23/96	8:40:57	880.9613	23.37	0	
4/23/96	8:55:57	895.9613	23.37	0	
4/23/96	9:10:57	910.9613	23.37	0	
4/23/96	9:25:57	925.9613	23.37	0	
4/23/96	9:40:57	940.9613	23.37	0	
4/23/96	9:55:57	955.9613	23.37	0.005	
4/23/96	10:10:57	970.9613	23.37	0.005	

SWI0014 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
4/23/96	10:25:57	985.9613	23.37	0.005	
4/23/96	10:40:57	1000.961	23.37	0.005	
4/23/96	10:55:57	1015.961	23.37	0.005	
4/23/96	11:10:57	1030.961	23.37	0	

IN_SITU INC.	TROLL				
Serial number:	763				
Unit name:	SWL0016				
Report generated:	9/19/96	13:59:55			
Report from file:	S:\AXC\DELAMO\PUMPTEST\SWL0016\SWL16R.BIN				
Test name:	SWL16 RECOVERY				
Test defined on:	2/20/96	21:31:11			
Test started on:	2/20/96	21:35:02			
Test stopped on:	N/A	N/A			
Test extracted on:	2/23/96	10:48:35			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0	Minutes.				
Number of data samples:	385				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	Water Level				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	5.079	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	6.263	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/20/96	21:35:04	0	21.35	5.081	
2/20/96	21:35:04	0.005	21.35	5.079	
2/20/96	21:35:04	0.01	21.35	5.074	
2/20/96	21:35:05	0.015	21.35	5.07	
2/20/96	21:35:05	0.02	21.36	5.074	
2/20/96	21:35:05	0.025	21.36	5.063	
2/20/96	21:35:05	0.03	21.36	5.061	
2/20/96	21:35:06	0.035	21.36	5.056	
2/20/96	21:35:06	0.04	21.37	5.051	
2/20/96	21:35:06	0.045	21.37	5.047	
2/20/96	21:35:07	0.05	21.37	5.044	
2/20/96	21:35:07	0.055	21.38	5.04	
2/20/96	21:35:07	0.06	21.38	5.035	
2/20/96	21:35:08	0.065	21.38	5.033	

SWL0016 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/20/96	21:35:08	0.0708	21.38	5.028	
2/20/96	21:35:08	0.077	21.39	5.024	
2/20/96	21:35:09	0.0835	21.39	5.017	
2/20/96	21:35:09	0.0905	21.39	5.012	
2/20/96	21:35:09	0.0978	21.4	5.007	
2/20/96	21:35:10	0.1057	21.4	5.001	
2/20/96	21:35:10	0.114	21.41	4.991	
2/20/96	21:35:11	0.1228	21.41	4.984	
2/20/96	21:35:12	0.1322	21.42	4.98	
2/20/96	21:35:12	0.142	21.42	4.973	
2/20/96	21:35:13	0.1525	21.42	4.966	
2/20/96	21:35:13	0.1635	21.42	4.961	
2/20/96	21:35:14	0.1752	21.42	4.954	
2/20/96	21:35:15	0.1877	21.42	4.948	
2/20/96	21:35:16	0.2008	21.42	4.941	
2/20/96	21:35:16	0.2148	21.42	4.934	
2/20/96	21:35:17	0.2297	21.42	4.927	
2/20/96	21:35:18	0.2453	21.43	4.918	
2/20/96	21:35:19	0.262	21.43	4.913	
2/20/96	21:35:20	0.2797	21.43	4.904	
2/20/96	21:35:22	0.2983	21.43	4.894	
2/20/96	21:35:23	0.3182	21.43	4.888	
2/20/96	21:35:24	0.3392	21.43	4.878	
2/20/96	21:35:25	0.3613	21.43	4.869	
2/20/96	21:35:27	0.3848	21.43	4.858	
2/20/96	21:35:28	0.4097	21.43	4.851	
2/20/96	21:35:30	0.4347	21.43	4.839	
2/20/96	21:35:31	0.4613	21.42	4.828	
2/20/96	21:35:33	0.4897	21.43	4.816	
2/20/96	21:35:35	0.5197	21.43	4.805	
2/20/96	21:35:37	0.5513	21.43	4.793	
2/20/96	21:35:39	0.5863	21.43	4.777	
2/20/96	21:35:41	0.623	21.43	4.763	
2/20/96	21:35:43	0.6613	21.43	4.747	
2/20/96	21:35:46	0.703	21.43	4.731	
2/20/96	21:35:48	0.7463	21.43	4.715	
2/20/96	21:35:51	0.793	21.43	4.698	
2/20/96	21:35:54	0.8413	21.43	4.68	
2/20/96	21:35:57	0.893	21.43	4.659	
2/20/96	21:36:00	0.948	21.43	4.638	
2/20/96	21:36:04	1.0063	21.43	4.618	
2/20/96	21:36:08	1.068	21.43	4.595	
2/20/96	21:36:12	1.133	21.42	4.569	
2/20/96	21:36:16	1.203	21.42	4.544	
2/20/96	21:36:20	1.2763	21.42	4.518	
2/20/96	21:36:25	1.3547	21.42	4.488	
2/20/96	21:36:30	1.438	21.42	4.459	

SWL0016 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
2/20/96	21:36:35	1.5263	21.42	4.429	
2/20/96	21:36:41	1.6197	21.41	4.396	
2/20/96	21:36:47	1.718	21.41	4.364	
2/20/96	21:36:53	1.823	21.41	4.329	
2/20/96	21:37:00	1.933	21.41	4.295	
2/20/96	21:37:07	2.0497	21.41	4.256	
2/20/96	21:37:14	2.1747	21.41	4.216	
2/20/96	21:37:22	2.3063	21.41	4.172	
2/20/96	21:37:30	2.4463	21.41	4.129	
2/20/96	21:37:39	2.5947	21.41	4.085	
2/20/96	21:37:49	2.7513	21.41	4.036	
2/20/96	21:37:59	2.918	21.41	3.99	
2/20/96	21:38:09	3.0947	21.41	3.94	
2/20/96	21:38:20	3.2813	21.41	3.889	
2/20/96	21:38:32	3.4797	21.41	3.838	
2/20/96	21:38:45	3.6897	21.41	3.783	
2/20/96	21:38:58	3.9113	21.41	3.723	
2/20/96	21:39:12	4.1463	21.4	3.665	
2/20/96	21:39:27	4.3947	21.4	3.605	
2/20/96	21:39:43	4.658	21.4	3.545	
2/20/96	21:40:00	4.938	21.4	3.48	
2/20/96	21:40:18	5.2347	21.4	3.414	
2/20/96	21:40:36	5.548	21.45	3.347	
2/20/96	21:40:56	5.8797	21.41	3.271	
2/20/96	21:41:17	6.2313	21.4	3.199	
2/20/96	21:41:40	6.6047	21.4	3.125	
2/20/96	21:42:04	6.9997	21.38	3.051	
2/20/96	21:42:29	7.418	21.38	2.975	
2/20/96	21:42:55	7.8613	21.37	2.899	
2/20/96	21:43:23	8.3313	21.4	2.823	
2/20/96	21:43:53	8.8297	21.38	2.749	
2/20/96	21:44:25	9.3563	21.37	2.666	
2/20/96	21:44:58	9.9147	21.39	2.585	
2/20/96	21:45:34	10.5063	21.38	2.502	
2/20/96	21:46:12	11.133	21.36	2.422	
2/20/96	21:46:51	11.7963	21.36	2.339	
2/20/96	21:47:34	12.4997	21.35	2.258	
2/20/96	21:48:18	13.2447	21.34	2.177	
2/20/96	21:49:06	14.0347	21.34	2.096	
2/20/96	21:49:56	14.8713	21.33	2.013	
2/20/96	21:50:49	15.7563	21.32	1.935	
2/20/96	21:51:45	16.6947	21.31	1.857	
2/20/96	21:52:45	17.688	21.3	1.783	
2/20/96	21:53:48	18.7413	21.3	1.707	
2/20/96	21:54:55	19.8563	21.29	1.637	
2/20/96	21:56:06	21.038	21.29	1.568	
2/20/96	21:57:21	22.2897	21.28	1.499	

SWL0016 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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2/20/96	21:58:40	23.6147	21.27	1.529	
2/20/96	22:00:05	25.0197	21.27	1.476	
2/20/96	22:01:34	26.508	21.27	1.414	
2/20/96	22:03:09	28.083	21.27	1.345	
2/20/96	22:04:49	29.7513	21.27	1.282	
2/20/96	22:06:35	31.5197	21.26	1.218	
2/20/96	22:08:27	33.393	21.27	1.162	
2/20/96	22:10:26	35.3763	21.27	1.109	
2/20/96	22:12:32	37.478	21.27	1.056	
2/20/96	22:14:46	39.7047	21.27	1.008	
2/20/96	22:17:07	42.063	21.26	0.959	
2/20/96	22:19:37	44.5613	21.26	0.915	
2/20/96	22:22:16	47.208	21.27	0.869	
2/20/96	22:25:04	50.0113	21.26	0.828	
2/20/96	22:28:02	52.9797	21.26	0.789	
2/20/96	22:31:11	56.1247	21.26	0.749	
2/20/96	22:34:31	59.4563	21.26	0.712	
2/20/96	22:38:03	62.9847	21.26	0.68	
2/20/96	22:41:47	66.723	21.26	0.646	
2/20/96	22:45:45	70.683	21.25	0.616	
2/20/96	22:49:56	74.8763	21.25	0.586	
2/20/96	22:54:23	79.3197	21.26	0.558	
2/20/96	22:59:05	84.0263	21.25	0.53	
2/20/96	23:04:04	89.0113	21.25	0.503	
2/20/96	23:09:21	94.2913	21.25	0.48	
2/20/96	23:14:57	99.8847	21.25	0.456	
2/20/96	23:20:52	105.8097	21.25	0.436	
2/20/96	23:27:09	112.0847	21.25	0.415	
2/20/96	23:33:48	118.733	21.26	0.396	
2/20/96	23:40:50	125.7747	21.25	0.376	
2/20/96	23:48:18	133.233	21.25	0.357	
2/20/96	23:56:12	141.133	21.25	0.339	
2/21/96	0:04:34	149.5013	21.25	0.32	
2/21/96	0:13:26	158.3663	21.25	0.304	
2/21/96	0:22:49	167.7563	21.25	0.288	
2/21/96	0:32:46	177.703	21.25	0.274	
2/21/96	0:43:18	188.2397	21.25	0.263	
2/21/96	0:54:28	199.3997	21.25	0.249	
2/21/96	1:06:17	211.2213	21.25	0.237	
2/21/96	1:18:48	223.743	21.25	0.226	
2/21/96	1:32:04	237.008	21.25	0.217	
2/21/96	1:46:07	251.058	21.25	0.207	
2/21/96	2:01:00	265.9413	21.25	0.2	
2/21/96	2:16:00	280.9413	21.25	0.191	
2/21/96	2:31:00	295.9413	21.25	0.184	
2/21/96	2:46:00	310.9413	21.25	0.177	
2/21/96	3:01:00	325.9413	21.25	0.17	

SWL0016 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/21/96	3:16:00	340.9413	21.25	0.166	
2/21/96	3:31:00	355.9413	21.25	0.159	
2/21/96	3:46:00	370.9413	21.25	0.154	
2/21/96	4:01:00	385.9413	21.25	0.147	
2/21/96	4:16:00	400.9413	21.25	0.14	
2/21/96	4:31:00	415.9413	21.25	0.138	
2/21/96	4:46:00	430.9413	21.25	0.131	
2/21/96	5:01:00	445.9413	21.25	0.127	
2/21/96	5:16:00	460.9413	21.25	0.12	
2/21/96	5:31:00	475.9413	21.25	0.113	
2/21/96	5:46:00	490.9413	21.25	0.108	
2/21/96	6:01:00	505.9413	21.25	0.104	
2/21/96	6:16:00	520.9413	21.25	0.101	
2/21/96	6:31:00	535.9413	21.25	0.094	
2/21/96	6:46:00	550.9413	21.25	0.092	
2/21/96	7:01:00	565.9413	21.25	0.09	
2/21/96	7:16:00	580.9413	21.25	0.087	
2/21/96	7:31:00	595.9413	21.25	0.085	
2/21/96	7:46:00	610.9413	21.25	0.08	
2/21/96	8:01:00	625.9413	21.25	0.078	
2/21/96	8:16:00	640.9413	21.25	0.074	
2/21/96	8:31:00	655.9413	21.25	0.069	
2/21/96	8:46:00	670.9413	21.25	0.069	
2/21/96	9:01:00	685.9413	21.25	0.067	
2/21/96	9:16:00	700.9413	21.25	0.064	
2/21/96	9:31:00	715.9413	21.25	0.062	
2/21/96	9:46:00	730.9413	21.25	0.06	
2/21/96	10:01:00	745.9413	21.25	0.055	
2/21/96	10:16:00	760.9413	21.25	0.055	
2/21/96	10:31:00	775.9413	21.25	0.055	
2/21/96	10:46:00	790.9413	21.25	0.055	
2/21/96	11:01:00	805.9413	21.25	0.053	
2/21/96	11:16:00	820.9413	21.25	0.053	
2/21/96	11:31:00	835.9413	21.25	0.053	
2/21/96	11:46:00	850.9413	21.25	0.053	
2/21/96	12:01:00	865.9413	21.25	0.055	
2/21/96	12:16:00	880.9413	21.25	0.055	
2/21/96	12:31:00	895.9413	21.25	0.053	
2/21/96	12:46:00	910.9413	21.25	0.053	
2/21/96	13:01:00	925.9413	21.25	0.053	
2/21/96	13:16:00	940.9413	21.25	0.053	
2/21/96	13:31:00	955.9413	21.25	0.055	
2/21/96	13:46:00	970.9413	21.25	0.057	
2/21/96	14:01:00	985.9413	21.25	0.057	
2/21/96	14:16:00	1000.941	21.25	0.057	
2/21/96	14:31:00	1015.941	21.25	0.053	
2/21/96	14:46:00	1030.941	21.25	0.055	

SWL0016 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/21/96	15:01:00	1045.941	21.25	0.055	
2/21/96	15:16:00	1060.941	21.25	0.055	
2/21/96	15:31:00	1075.941	21.25	0.055	
2/21/96	15:46:00	1090.941	21.25	0.053	
2/21/96	16:01:00	1105.941	21.25	0.05	
2/21/96	16:16:00	1120.941	21.25	0.05	
2/21/96	16:31:00	1135.941	21.25	0.05	
2/21/96	16:46:00	1150.941	21.25	0.048	
2/21/96	17:01:00	1165.941	21.25	0.046	
2/21/96	17:16:00	1180.941	21.25	0.044	
2/21/96	17:31:00	1195.941	21.25	0.044	
2/21/96	17:46:00	1210.941	21.25	0.041	
2/21/96	18:01:00	1225.941	21.25	0.039	
2/21/96	18:16:00	1240.941	21.25	0.034	
2/21/96	18:31:00	1255.941	21.25	0.034	
2/21/96	18:46:00	1270.941	21.25	0.032	
2/21/96	19:01:00	1285.941	21.25	0.027	
2/21/96	19:16:00	1300.941	21.25	0.025	
2/21/96	19:31:00	1315.941	21.25	0.023	
2/21/96	19:46:00	1330.941	21.25	0.02	
2/21/96	20:01:00	1345.941	21.25	0.016	
2/21/96	20:16:00	1360.941	21.25	0.016	
2/21/96	20:31:00	1375.941	21.25	0.011	
2/21/96	20:46:00	1390.941	21.25	0.009	
2/21/96	21:01:00	1405.941	21.25	0.004	
2/21/96	21:16:00	1420.941	21.25	0	

SWL0017 Recovery Data

IN_SITU INC.	TROLL				
Serial number:	750				
Unit name:	SWL0017				
Report generated:	3/20/96	18:05:23			
Report from file:	C:\WINSITU\PUMPTE~1\SWL0017\SWL17R.BIN				
Test name:	SWL0017 Recovery				
Test defined on:	3/19/96	9:07:52			
Test started on:	3/20/96	0:29:59			
Test stopped on:	3/20/96	15:05:16			
Test extracted on:	3/20/96	18:03:21			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0	Minutes.				
Number of data samples:	198				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoardPressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	2.81	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	13.019	Feet H2O			
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoardTemp				
			Channel[2]	Channel[1]	
Date	Time	ET (min)	Feet H2O	Celsius	
---	---	---	---	---	
3/20/96	0:29:59	0	2.824	21.74	
3/20/96	0:30:00	0.005	2.815	21.74	
3/20/96	0:30:00	0.01	2.808	21.74	
3/20/96	0:30:00	0.015	2.808	21.74	
3/20/96	0:30:01	0.02	2.808	21.75	
3/20/96	0:30:01	0.025	2.812	21.75	
3/20/96	0:30:01	0.03	2.812	21.75	
3/20/96	0:30:02	0.035	2.808	21.75	
3/20/96	0:30:02	0.04	2.808	21.76	
3/20/96	0:30:02	0.045	2.798	21.76	
3/20/96	0:30:02	0.05	2.803	21.76	
3/20/96	0:30:03	0.055	2.798	21.77	
3/20/96	0:30:03	0.06	2.794	21.77	
3/20/96	0:30:03	0.065	2.794	21.77	

SWL0017 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius	
---	---	---	---	---	
3/20/96	0:30:04	0.07	2.789	21.78	
3/20/96	0:30:04	0.075	2.789	21.78	
3/20/96	0:30:04	0.08	2.785	21.78	
3/20/96	0:30:05	0.085	2.785	21.78	
3/20/96	0:30:05	0.0908	2.78	21.78	
3/20/96	0:30:05	0.097	2.78	21.79	
3/20/96	0:30:06	0.1035	2.775	21.79	
3/20/96	0:30:06	0.1105	2.775	21.79	
3/20/96	0:30:06	0.1178	2.771	21.8	
3/20/96	0:30:07	0.1257	2.766	21.8	
3/20/96	0:30:07	0.134	2.766	21.83	
3/20/96	0:30:08	0.1428	2.752	21.82	
3/20/96	0:30:09	0.1522	2.757	21.83	
3/20/96	0:30:09	0.162	2.748	21.82	
3/20/96	0:30:10	0.1725	2.748	21.83	
3/20/96	0:30:10	0.1835	2.743	21.83	
3/20/96	0:30:11	0.1952	2.738	21.83	
3/20/96	0:30:12	0.2077	2.734	21.83	
3/20/96	0:30:13	0.2208	2.729	21.83	
3/20/96	0:30:13	0.2348	2.72	21.83	
3/20/96	0:30:14	0.2497	2.72	21.84	
3/20/96	0:30:15	0.2653	2.72	21.83	
3/20/96	0:30:16	0.282	2.711	21.84	
3/20/96	0:30:17	0.2997	2.706	21.84	
3/20/96	0:30:19	0.3183	2.704	21.84	
3/20/96	0:30:20	0.3382	2.695	21.84	
3/20/96	0:30:21	0.3592	2.69	21.84	
3/20/96	0:30:22	0.3813	2.685	21.84	
3/20/96	0:30:24	0.4048	2.681	21.84	
3/20/96	0:30:25	0.4297	2.676	21.84	
3/20/96	0:30:27	0.4547	2.667	21.85	
3/20/96	0:30:28	0.4813	2.667	21.84	
3/20/96	0:30:30	0.5097	2.653	21.85	
3/20/96	0:30:32	0.5397	2.653	21.85	
3/20/96	0:30:34	0.5713	2.639	21.85	
3/20/96	0:30:36	0.6063	2.635	21.85	
3/20/96	0:30:38	0.643	2.621	21.85	
3/20/96	0:30:40	0.6813	2.616	21.85	
3/20/96	0:30:43	0.723	2.607	21.84	
3/20/96	0:30:45	0.7663	2.593	21.84	
3/20/96	0:30:48	0.813	2.584	21.84	
3/20/96	0:30:51	0.8613	2.575	21.85	
3/20/96	0:30:54	0.913	2.565	21.84	
3/20/96	0:30:57	0.968	2.552	21.84	
3/20/96	0:31:01	1.0263	2.542	21.85	
3/20/96	0:31:05	1.088	2.529	21.84	
3/20/96	0:31:09	1.153	2.519	21.84	

SWL0017 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius	
---	---	---	---	---	
3/20/96	0:31:13	1.223	2.506	21.84	
3/20/96	0:31:17	1.2963	2.492	21.84	
3/20/96	0:31:22	1.3747	2.473	21.84	
3/20/96	0:31:27	1.458	2.457	21.84	
3/20/96	0:31:32	1.5463	2.443	21.84	
3/20/96	0:31:38	1.6397	2.42	21.84	
3/20/96	0:31:44	1.738	2.406	21.84	
3/20/96	0:31:50	1.843	2.383	21.83	
3/20/96	0:31:57	1.953	2.36	21.83	
3/20/96	0:32:04	2.0697	2.337	21.83	
3/20/96	0:32:11	2.1947	2.314	21.83	
3/20/96	0:32:19	2.3263	2.291	21.83	
3/20/96	0:32:27	2.4663	2.263	21.83	
3/20/96	0:32:36	2.6147	2.236	21.83	
3/20/96	0:32:46	2.7713	2.208	21.82	
3/20/96	0:32:56	2.938	2.183	21.82	
3/20/96	0:33:06	3.1147	2.155	21.82	
3/20/96	0:33:17	3.3013	2.123	21.82	
3/20/96	0:33:29	3.4997	2.09	21.82	
3/20/96	0:33:42	3.7097	2.058	21.82	
3/20/96	0:33:55	3.9313	2.021	21.81	
3/20/96	0:34:09	4.1663	1.984	21.81	
3/20/96	0:34:24	4.4147	1.952	21.8	
3/20/96	0:34:40	4.678	1.915	21.8	
3/20/96	0:34:57	4.958	1.876	21.8	
3/20/96	0:35:15	5.2547	1.839	21.79	
3/20/96	0:35:33	5.568	1.797	21.79	
3/20/96	0:35:53	5.8997	1.756	21.78	
3/20/96	0:36:14	6.2513	1.714	21.78	
3/20/96	0:36:37	6.6247	1.673	21.78	
3/20/96	0:37:01	7.0197	1.634	21.77	
3/20/96	0:37:26	7.438	1.592	21.77	
3/20/96	0:37:52	7.8813	1.546	21.76	
3/20/96	0:38:20	8.3513	1.5	21.76	
3/20/96	0:38:50	8.8497	1.458	21.75	
3/20/96	0:39:22	9.3763	1.412	21.75	
3/20/96	0:39:55	9.9347	1.361	21.74	
3/20/96	0:40:31	10.5263	1.318	21.74	
3/20/96	0:41:09	11.153	1.271	21.76	
3/20/96	0:41:48	11.8163	1.221	21.75	
3/20/96	0:42:31	12.5197	1.175	21.74	
3/20/96	0:43:15	13.2647	1.124	21.74	
3/20/96	0:44:03	14.0547	1.085	21.77	
3/20/96	0:44:53	14.8913	1.038	21.77	
3/20/96	0:45:46	15.7763	0.992	21.75	
3/20/96	0:46:42	16.7147	0.951	21.75	
3/20/96	0:47:42	17.708	0.914	21.74	

SWL0017 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius	
---	---	---	---	---	
3/20/96	0:48:45	18.7613	0.872	21.73	
3/20/96	0:49:52	19.8763	0.84	21.72	
3/20/96	0:51:03	21.058	0.801	21.72	
3/20/96	0:52:18	22.3097	0.764	21.71	
3/20/96	0:53:37	23.6347	0.732	21.71	
3/20/96	0:55:02	25.0397	0.699	21.7	
3/20/96	0:56:31	26.528	0.672	21.7	
3/20/96	0:58:06	28.103	0.639	21.7	
3/20/96	0:59:46	29.7713	0.612	21.7	
3/20/96	1:01:32	31.5397	0.584	21.69	
3/20/96	1:03:24	33.413	0.561	21.69	
3/20/96	1:05:23	35.3963	0.538	21.69	
3/20/96	1:07:29	37.498	0.519	21.69	
3/20/96	1:09:43	39.7247	0.499	21.69	
3/20/96	1:12:04	42.083	0.485	21.69	
3/20/96	1:14:34	44.5813	0.466	21.69	
3/20/96	1:17:13	47.228	0.448	21.69	
3/20/96	1:20:01	50.0313	0.43	21.69	
3/20/96	1:22:59	52.9997	0.416	21.69	
3/20/96	1:26:08	56.1447	0.402	21.69	
3/20/96	1:29:28	59.4763	0.388	21.69	
3/20/96	1:33:00	63.0047	0.37	21.69	
3/20/96	1:36:44	66.743	0.356	21.69	
3/20/96	1:40:42	70.703	0.346	21.69	
3/20/96	1:44:53	74.8963	0.333	21.69	
3/20/96	1:49:20	79.3397	0.319	21.69	
3/20/96	1:54:02	84.0463	0.305	21.69	
3/20/96	1:59:01	89.0313	0.291	21.69	
3/20/96	2:04:18	94.3113	0.287	21.69	
3/20/96	2:09:54	99.9047	0.268	21.69	
3/20/96	2:15:49	105.8297	0.259	21.69	
3/20/96	2:22:06	112.1047	0.247	21.69	
3/20/96	2:28:45	118.753	0.238	21.69	
3/20/96	2:35:47	125.7947	0.224	21.69	
3/20/96	2:43:15	133.253	0.22	21.69	
3/20/96	2:51:09	141.153	0.206	21.69	
3/20/96	2:59:31	149.5213	0.197	21.69	
3/20/96	3:08:23	158.3863	0.187	21.69	
3/20/96	3:17:46	167.7763	0.178	21.69	
3/20/96	3:27:43	177.723	0.169	21.69	
3/20/96	3:38:15	188.2597	0.155	21.69	
3/20/96	3:49:25	199.4197	0.141	21.69	
3/20/96	4:01:14	211.2413	0.132	21.69	
3/20/96	4:13:45	223.763	0.127	21.69	
3/20/96	4:27:01	237.028	0.118	21.69	
3/20/96	4:41:04	251.078	0.109	21.69	
3/20/96	4:55:57	265.9613	0.104	21.69	

SWL0017 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius	
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3/20/96	5:10:57	280.9613	0.09	21.69	
3/20/96	5:25:57	295.9613	0.086	21.69	
3/20/96	5:40:57	310.9613	0.081	21.69	
3/20/96	5:55:57	325.9613	0.077	21.69	
3/20/96	6:10:57	340.9613	0.072	21.69	
3/20/96	6:25:57	355.9613	0.072	21.69	
3/20/96	6:40:57	370.9613	0.072	21.69	
3/20/96	6:55:57	385.9613	0.067	21.69	
3/20/96	7:10:57	400.9613	0.067	21.69	
3/20/96	7:25:57	415.9613	0.072	21.69	
3/20/96	7:40:57	430.9613	0.067	21.69	
3/20/96	7:55:57	445.9613	0.067	21.69	
3/20/96	8:10:57	460.9613	0.063	21.69	
3/20/96	8:25:57	475.9613	0.058	21.69	
3/20/96	8:40:57	490.9613	0.063	21.69	
3/20/96	8:55:57	505.9613	0.058	21.69	
3/20/96	9:10:57	520.9613	0.058	21.69	
3/20/96	9:25:57	535.9613	0.049	21.69	
3/20/96	9:40:57	550.9613	0.04	21.69	
3/20/96	9:55:57	565.9613	0.035	21.69	
3/20/96	10:10:57	580.9613	0.026	21.69	
3/20/96	10:25:57	595.9613	0.021	21.69	
3/20/96	10:40:57	610.9613	0.012	21.69	
3/20/96	10:55:57	625.9613	0.003	21.69	
3/20/96	11:10:57	640.9613	-0.002	21.69	
3/20/96	11:25:57	655.9613	-0.004	21.69	
3/20/96	11:40:57	670.9613	-0.013	21.69	
3/20/96	11:55:57	685.9613	-0.013	21.69	
3/20/96	12:10:57	700.9613	-0.018	21.69	
3/20/96	12:25:57	715.9613	-0.027	21.69	
3/20/96	12:40:57	730.9613	-0.032	21.69	
3/20/96	12:55:57	745.9613	-0.036	21.69	
3/20/96	13:10:57	760.9613	-0.046	21.69	
3/20/96	13:25:57	775.9613	-0.05	21.69	
3/20/96	13:40:57	790.9613	-0.055	21.69	
3/20/96	13:55:57	805.9613	-0.064	21.69	
3/20/96	14:10:57	820.9613	-0.073	21.69	
3/20/96	14:25:57	835.9613	-0.078	21.69	
3/20/96	14:40:57	850.9613	-0.083	21.69	
3/20/96	14:55:57	865.9613	-0.087	21.69	

IN_SITU INC.	TROLL			
Serial number:	750			
Unit name:	SWL0021			
Report generated:	3/23/96	14:06:35		
Report from file:	TMP5.$$$			
Test name:	SWL0021 Recovery			
Test defined on:	3/21/96	12:49:13		
Test started on:	3/22/96	20:43:01		
Test stopped on:	3/23/96	14:03:17		
Test extracted on:	3/23/96	14:04:18		
Data gathered using Logarithmic testing				
Maximum time between data points: 15.0	Minutes.			
Number of data samples:	209			
Channel number [2]				
Measurement type:	Pressure/Level			
Channel name:	OnBoardPressure			
Specific gravity:	1			
Mode:	TOC			
User-defined reference:	1.852	Feet H2O		
Referenced on:	test start			
Pressure head at reference:	9.958	Feet H2O		
Channel number [1]				
Measurement type:	Temperature			
Channel name:	OnBoardTemp			
			Channel[2]	Channel[1]
Date	Time	ET (min)	Feet H2O	Celsius
———	———	———	———	———
3/22/96	20:43:01	0	1.852	23.24
3/22/96	20:43:01	0.005	1.847	23.25
3/22/96	20:43:01	0.01	1.852	23.25
3/22/96	20:43:01	0.015	1.847	23.26
3/22/96	20:43:02	0.02	1.843	23.26
3/22/96	20:43:02	0.025	1.847	23.26
3/22/96	20:43:02	0.03	1.847	23.26
3/22/96	20:43:03	0.035	1.852	23.27
3/22/96	20:43:03	0.04	1.847	23.28
3/22/96	20:43:03	0.045	1.843	23.28
3/22/96	20:43:04	0.05	1.843	23.28
3/22/96	20:43:04	0.055	1.843	23.28
3/22/96	20:43:04	0.06	1.838	23.28
3/22/96	20:43:04	0.065	1.843	23.28

SWL0021 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius
3/22/96	20:43:05	0.07	1.838	23.29
3/22/96	20:43:05	0.075	1.838	23.29
3/22/96	20:43:05	0.08	1.834	23.3
3/22/96	20:43:06	0.085	1.834	23.3
3/22/96	20:43:06	0.09	1.838	23.31
3/22/96	20:43:06	0.095	1.834	23.31
3/22/96	20:43:07	0.1	1.829	23.31
3/22/96	20:43:07	0.1058	1.831	23.31
3/22/96	20:43:07	0.112	1.831	23.31
3/22/96	20:43:08	0.1185	1.831	23.32
3/22/96	20:43:08	0.1255	1.831	23.33
3/22/96	20:43:08	0.1328	1.827	23.33
3/22/96	20:43:09	0.1407	1.827	23.33
3/22/96	20:43:09	0.149	1.822	23.36
3/22/96	20:43:10	0.1578	1.822	23.35
3/22/96	20:43:11	0.1672	1.817	23.35
3/22/96	20:43:11	0.177	1.813	23.36
3/22/96	20:43:12	0.1875	1.813	23.36
3/22/96	20:43:12	0.1985	1.808	23.36
3/22/96	20:43:13	0.2102	1.808	23.36
3/22/96	20:43:14	0.2227	1.804	23.36
3/22/96	20:43:15	0.2358	1.799	23.36
3/22/96	20:43:15	0.2498	1.799	23.36
3/22/96	20:43:16	0.2647	1.794	23.36
3/22/96	20:43:17	0.2803	1.79	23.36
3/22/96	20:43:18	0.297	1.79	23.36
3/22/96	20:43:19	0.3147	1.78	23.36
3/22/96	20:43:21	0.3333	1.776	23.36
3/22/96	20:43:22	0.3532	1.776	23.36
3/22/96	20:43:23	0.3742	1.771	23.36
3/22/96	20:43:24	0.3963	1.762	23.36
3/22/96	20:43:26	0.4198	1.762	23.37
3/22/96	20:43:27	0.4447	1.753	23.37
3/22/96	20:43:29	0.4697	1.753	23.38
3/22/96	20:43:30	0.4963	1.744	23.38
3/22/96	20:43:32	0.5247	1.739	23.38
3/22/96	20:43:34	0.5547	1.734	23.38
3/22/96	20:43:36	0.5863	1.725	23.38
3/22/96	20:43:38	0.6213	1.721	23.38
3/22/96	20:43:40	0.658	1.716	23.38
3/22/96	20:43:42	0.6963	1.707	23.38
3/22/96	20:43:45	0.738	1.702	23.38
3/22/96	20:43:47	0.7813	1.693	23.38
3/22/96	20:43:50	0.828	1.684	23.38
3/22/96	20:43:53	0.8763	1.674	23.38
3/22/96	20:43:56	0.928	1.667	23.38
3/22/96	20:43:59	0.983	1.663	23.38

SWL0021 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius
3/22/96	20:44:03	1.0413	1.649	23.38
3/22/96	20:44:07	1.103	1.64	23.38
3/22/96	20:44:11	1.168	1.631	23.38
3/22/96	20:44:15	1.238	1.617	23.38
3/22/96	20:44:19	1.3113	1.607	23.38
3/22/96	20:44:24	1.3897	1.594	23.37
3/22/96	20:44:29	1.473	1.584	23.38
3/22/96	20:44:34	1.5613	1.571	23.37
3/22/96	20:44:40	1.6547	1.557	23.37
3/22/96	20:44:46	1.753	1.543	23.37
3/22/96	20:44:52	1.858	1.524	23.38
3/22/96	20:44:59	1.968	1.511	23.38
3/22/96	20:45:06	2.0847	1.492	23.37
3/22/96	20:45:13	2.2097	1.478	23.37
3/22/96	20:45:21	2.3413	1.464	23.37
3/22/96	20:45:29	2.4813	1.446	23.38
3/22/96	20:45:38	2.6297	1.43	23.38
3/22/96	20:45:48	2.7863	1.411	23.38
3/22/96	20:45:58	2.953	1.398	23.38
3/22/96	20:46:08	3.1297	1.379	23.38
3/22/96	20:46:19	3.3163	1.365	23.38
3/22/96	20:46:31	3.5147	1.342	23.39
3/22/96	20:46:44	3.7247	1.324	23.39
3/22/96	20:46:57	3.9463	1.301	23.39
3/22/96	20:47:11	4.1813	1.282	23.4
3/22/96	20:47:26	4.4297	1.259	23.41
3/22/96	20:47:42	4.693	1.238	23.41
3/22/96	20:47:59	4.973	1.211	23.41
3/22/96	20:48:17	5.2697	1.183	23.41
3/22/96	20:48:35	5.583	1.16	23.41
3/22/96	20:48:55	5.9147	1.132	23.41
3/22/96	20:49:16	6.2663	1.1	23.42
3/22/96	20:49:39	6.6397	1.068	23.41
3/22/96	20:50:03	7.0347	1.035	23.41
3/22/96	20:50:28	7.453	1.01	23.41
3/22/96	20:50:54	7.8963	0.973	23.4
3/22/96	20:51:22	8.3663	0.941	23.39
3/22/96	20:51:52	8.8647	0.904	23.38
3/22/96	20:52:24	9.3913	0.876	23.36
3/22/96	20:52:57	9.9497	0.839	23.36
3/22/96	20:53:33	10.5413	0.802	23.36
3/22/96	20:54:11	11.168	0.77	23.38
3/22/96	20:54:50	11.8313	0.729	23.34
3/22/96	20:55:33	12.5347	0.699	23.36
3/22/96	20:56:17	13.2797	0.657	23.34
3/22/96	20:57:05	14.0697	0.62	23.32
3/22/96	20:57:55	14.9063	0.588	23.36

SWL0021 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius
3/22/96	20:58:48	15.7913	0.546	23.31
3/22/96	20:59:44	16.7297	0.51	23.28
3/22/96	21:00:44	17.723	0.473	23.24
3/22/96	21:01:47	18.7763	0.44	23.23
3/22/96	21:02:54	19.8913	0.408	23.21
3/22/96	21:04:05	21.073	0.376	23.16
3/22/96	21:05:20	22.3247	0.339	23.14
3/22/96	21:06:39	23.6497	0.302	23.1
3/22/96	21:08:04	25.0547	0.274	23.06
3/22/96	21:09:33	26.543	0.247	23.02
3/22/96	21:11:08	28.118	0.219	22.98
3/22/96	21:12:48	29.7863	0.2	22.95
3/22/96	21:14:34	31.5547	0.177	22.92
3/22/96	21:16:26	33.428	0.164	22.89
3/22/96	21:18:25	35.4113	0.145	22.87
3/22/96	21:20:31	37.513	0.127	22.86
3/22/96	21:22:45	39.7397	0.113	22.84
3/22/96	21:25:06	42.098	0.094	22.81
3/22/96	21:27:36	44.5963	0.085	22.79
3/22/96	21:30:15	47.243	0.071	22.79
3/22/96	21:33:03	50.0463	0.062	22.77
3/22/96	21:36:01	53.0147	0.05	22.76
3/22/96	21:39:10	56.1597	0.041	22.74
3/22/96	21:42:30	59.4913	0.037	22.73
3/22/96	21:46:02	63.0197	0.027	22.72
3/22/96	21:49:46	66.758	0.023	22.71
3/22/96	21:53:44	70.718	0.018	22.7
3/22/96	21:57:55	74.9113	0.014	22.69
3/22/96	22:02:22	79.3547	0.009	22.68
3/22/96	22:07:04	84.0613	0.004	22.67
3/22/96	22:12:03	89.0463	0	22.66
3/22/96	22:17:20	94.3263	-0.005	22.66
3/22/96	22:22:56	99.9197	-0.005	22.65
3/22/96	22:28:51	105.8447	-0.009	22.64
3/22/96	22:35:08	112.1197	-0.014	22.63
3/22/96	22:41:47	118.768	-0.014	22.62
3/22/96	22:48:49	125.8097	-0.019	22.62
3/22/96	22:56:17	133.268	-0.023	22.6
3/22/96	23:04:11	141.168	-0.023	22.6
3/22/96	23:12:33	149.5363	-0.028	22.59
3/22/96	23:21:25	158.4013	-0.033	22.59
3/22/96	23:30:48	167.7913	-0.033	22.58
3/22/96	23:40:45	177.738	-0.033	22.57
3/22/96	23:51:17	188.2747	-0.037	22.57
3/23/96	0:02:27	199.4347	-0.037	22.56
3/23/96	0:14:16	211.2563	-0.042	22.56
3/23/96	0:26:47	223.778	-0.042	22.55

SWL0021 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius
3/23/96	0:40:03	237.043	-0.042	22.55
3/23/96	0:54:06	251.093	-0.046	22.54
3/23/96	1:08:59	265.9763	-0.051	22.54
3/23/96	1:23:59	280.9763	-0.06	22.53
3/23/96	1:38:59	295.9763	-0.06	22.53
3/23/96	1:53:59	310.9763	-0.065	22.52
3/23/96	2:08:59	325.9763	-0.069	22.52
3/23/96	2:23:59	340.9763	-0.083	22.52
3/23/96	2:38:59	355.9763	-0.088	22.51
3/23/96	2:53:59	370.9763	-0.088	22.51
3/23/96	3:08:59	385.9763	-0.088	22.51
3/23/96	3:23:59	400.9763	-0.083	22.51
3/23/96	3:38:59	415.9763	-0.079	22.5
3/23/96	3:53:59	430.9763	-0.083	22.51
3/23/96	4:08:59	445.9763	-0.079	22.5
3/23/96	4:23:59	460.9763	-0.074	22.5
3/23/96	4:38:59	475.9763	-0.074	22.49
3/23/96	4:53:59	490.9763	-0.069	22.5
3/23/96	5:08:59	505.9763	-0.069	22.49
3/23/96	5:23:59	520.9763	-0.065	22.49
3/23/96	5:38:59	535.9763	-0.065	22.49
3/23/96	5:53:59	550.9763	-0.06	22.49
3/23/96	6:08:59	565.9763	-0.056	22.48
3/23/96	6:23:59	580.9763	-0.051	22.49
3/23/96	6:38:59	595.9763	-0.051	22.48
3/23/96	6:53:59	610.9763	-0.042	22.48
3/23/96	7:08:59	625.9763	-0.039	22.48
3/23/96	7:23:59	640.9763	-0.039	22.48
3/23/96	7:38:59	655.9763	-0.039	22.48
3/23/96	7:53:59	670.9763	-0.039	22.48
3/23/96	8:08:59	685.9763	-0.035	22.48
3/23/96	8:23:59	700.9763	-0.03	22.48
3/23/96	8:38:59	715.9763	-0.03	22.48
3/23/96	8:53:59	730.9763	-0.026	22.48
3/23/96	9:08:59	745.9763	-0.026	22.48
3/23/96	9:23:59	760.9763	-0.021	22.48
3/23/96	9:38:59	775.9763	-0.016	22.48
3/23/96	9:53:59	790.9763	-0.021	22.47
3/23/96	10:08:59	805.9763	-0.021	22.48
3/23/96	10:23:59	820.9763	-0.021	22.48
3/23/96	10:38:59	835.9763	-0.026	22.47
3/23/96	10:53:59	850.9763	-0.035	22.48
3/23/96	11:08:59	865.9763	-0.039	22.48
3/23/96	11:23:59	880.9763	-0.044	22.48
3/23/96	11:38:59	895.9763	-0.049	22.47
3/23/96	11:53:59	910.9763	-0.053	22.47
3/23/96	12:08:59	925.9763	-0.056	22.47

SWL0021 Recovery Data

Date	Time	ET (min)	Feet H2O	Celsius
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3/23/96	12:23:59	940.9763	-0.06	22.47
3/23/96	12:38:59	955.9763	-0.065	22.47
3/23/96	12:53:59	970.9763	-0.074	22.47
3/23/96	13:08:59	985.9763	-0.074	22.47
3/23/96	13:23:59	1000.976	-0.074	22.47
3/23/96	13:38:59	1015.976	-0.069	22.47
3/23/96	13:53:59	1030.976	-0.065	22.47

SWL0023 Recovery Data

IN_SITU INC.	TROLL				
Serial number:	751				
Unit name:	SWL0023				
Report generated:	4/29/96	13:06:04			
Report from file:	C:\WINSITU\PUMPTE~1\SWL0023\SWL23R.BIN				
Test name:	SWL0023 Recovery				
Test defined on:	4/23/96	12:31:00			
Test started on:	4/26/96	12:59:56			
Test stopped on:	4/29/96	8:43:33			
Test extracted on:	4/29/96	8:43:51			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0000	Minutes.				
Number of data samples:	411				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	Pressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	44.844	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	0.607	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
———	———	———	———	———	
4/26/96	12:59:56	0	21.79	44.844	
4/26/96	12:59:56	0.005	21.79	44.826	
4/26/96	12:59:56	0.01	21.8	44.839	
4/26/96	12:59:56	0.015	21.8	44.853	
4/26/96	12:59:57	0.02	21.81	44.839	
4/26/96	12:59:57	0.025	21.81	44.83	
4/26/96	12:59:57	0.03	21.82	44.839	
4/26/96	12:59:58	0.035	21.82	44.844	
4/26/96	12:59:58	0.04	21.82	44.835	
4/26/96	12:59:58	0.045	21.83	44.849	
4/26/96	12:59:59	0.05	21.83	44.839	
4/26/96	12:59:59	0.055	21.84	44.777	
4/26/96	12:59:59	0.06	21.84	44.62	
4/26/96	12:59:59	0.065	21.84	44.383	
4/26/96	13:00:00	0.07	21.84	44.127	
4/26/96	13:00:00	0.075	21.84	43.857	
4/26/96	13:00:00	0.08	21.85	43.642	

SWL0023 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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4/26/96	13:00:01	0.085	21.85	43.444	
4/26/96	13:00:01	0.09	21.86	43.243	
4/26/96	13:00:01	0.095	21.86	43.045	
4/26/96	13:00:02	0.1	21.86	42.842	
4/26/96	13:00:02	0.1058	21.86	42.632	
4/26/96	13:00:02	0.112	21.86	42.406	
4/26/96	13:00:03	0.1185	21.87	42.182	
4/26/96	13:00:03	0.1255	21.87	41.926	
4/26/96	13:00:03	0.1328	21.87	41.679	
4/26/96	13:00:04	0.1407	21.87	41.423	
4/26/96	13:00:04	0.149	21.89	40.987	
4/26/96	13:00:05	0.1578	21.89	40.722	
4/26/96	13:00:06	0.1672	21.89	40.48	
4/26/96	13:00:06	0.177	21.89	40.233	
4/26/96	13:00:07	0.1875	21.9	39.988	
4/26/96	13:00:07	0.1985	21.9	39.746	
4/26/96	13:00:08	0.2102	21.9	39.49	
4/26/96	13:00:09	0.2227	21.9	39.23	
4/26/96	13:00:10	0.2358	21.9	38.969	
4/26/96	13:00:10	0.2498	21.9	38.681	
4/26/96	13:00:11	0.2647	21.9	38.42	
4/26/96	13:00:12	0.2803	21.9	38.155	
4/26/96	13:00:13	0.297	21.9	37.866	
4/26/96	13:00:14	0.3147	21.9	37.44	
4/26/96	13:00:16	0.3333	21.9	36.99	
4/26/96	13:00:17	0.3532	21.9	36.422	
4/26/96	13:00:18	0.3742	21.9	35.758	
4/26/96	13:00:19	0.3963	21.91	35.119	
4/26/96	13:00:21	0.4198	21.91	34.519	
4/26/96	13:00:22	0.4447	21.91	33.993	
4/26/96	13:00:24	0.4697	21.91	33.502	
4/26/96	13:00:25	0.4963	21.91	33.08	
4/26/96	13:00:27	0.5247	21.91	32.683	
4/26/96	13:00:29	0.5547	21.92	32.333	
4/26/96	13:00:31	0.5863	21.92	31.954	
4/26/96	13:00:33	0.6213	21.92	31.548	
4/26/96	13:00:35	0.658	21.92	31.11	
4/26/96	13:00:37	0.6963	21.92	30.665	
4/26/96	13:00:40	0.738	21.92	30.197	
4/26/96	13:00:42	0.7813	21.92	29.705	
4/26/96	13:00:45	0.828	21.92	29.191	
4/26/96	13:00:48	0.8763	21.92	28.674	
4/26/96	13:00:51	0.928	21.92	28.123	
4/26/96	13:00:54	0.983	21.93	27.565	
4/26/96	13:00:58	1.0413	21.93	26.97	
4/26/96	13:01:02	1.103	21.94	26.361	
4/26/96	13:01:06	1.168	21.94	25.738	
4/26/96	13:01:10	1.238	21.94	25.074	
4/26/96	13:01:14	1.3113	21.94	24.407	
4/26/96	13:01:19	1.3897	21.94	23.713	

SWL0023 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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4/26/96	13:01:24	1.473	21.94	22.993	
4/26/96	13:01:29	1.5613	21.95	22.255	
4/26/96	13:01:35	1.6547	21.95	21.5	
4/26/96	13:01:41	1.753	21.95	20.737	
4/26/96	13:01:47	1.858	21.95	19.95	
4/26/96	13:01:54	1.968	21.96	19.159	
4/26/96	13:02:01	2.0847	21.96	18.363	
4/26/96	13:02:08	2.2097	21.96	17.551	
4/26/96	13:02:16	2.3413	21.97	16.733	
4/26/96	13:02:24	2.4813	21.97	15.918	
4/26/96	13:02:33	2.6297	21.97	15.095	
4/26/96	13:02:43	2.7863	21.97	14.281	
4/26/96	13:02:53	2.953	21.97	13.466	
4/26/96	13:03:03	3.1297	21.98	12.657	
4/26/96	13:03:14	3.3163	21.98	11.866	
4/26/96	13:03:26	3.5147	21.98	11.081	
4/26/96	13:03:39	3.7247	21.98	10.313	
4/26/96	13:03:52	3.9463	21.98	9.573	
4/26/96	13:04:06	4.1813	21.98	8.853	
4/26/96	13:04:21	4.4297	21.98	8.17	
4/26/96	13:04:37	4.693	21.98	7.504	
4/26/96	13:04:54	4.973	21.98	6.874	
4/26/96	13:05:12	5.2697	21.98	6.27	
4/26/96	13:05:30	5.583	21.98	5.704	
4/26/96	13:05:50	5.9147	21.98	5.179	
4/26/96	13:06:11	6.2663	21.98	4.678	
4/26/96	13:06:34	6.6397	21.98	4.217	
4/26/96	13:06:58	7.0347	21.98	3.79	
4/26/96	13:07:23	7.453	21.97	3.4	
4/26/96	13:07:49	7.8963	21.97	3.045	
4/26/96	13:08:17	8.3663	21.98	2.72	
4/26/96	13:08:47	8.8647	21.97	2.429	
4/26/96	13:09:19	9.3913	21.99	2.171	
4/26/96	13:09:52	9.9497	21.98	1.938	
4/26/96	13:10:28	10.5413	21.98	1.739	
4/26/96	13:11:06	11.168	21.98	1.562	
4/26/96	13:11:45	11.8313	22	1.407	
4/26/96	13:12:28	12.5347	22.01	1.271	
4/26/96	13:13:12	13.2797	22	1.158	
4/26/96	13:14:00	14.0697	21.99	1.063	
4/26/96	13:14:50	14.9063	21.98	0.98	
4/26/96	13:15:43	15.7913	21.98	0.909	
4/26/96	13:16:39	16.7297	21.97	0.853	
4/26/96	13:17:39	17.723	21.97	0.803	
4/26/96	13:18:42	18.7763	21.96	0.764	
4/26/96	13:19:49	19.8913	21.95	0.727	
4/26/96	13:21:00	21.073	21.94	0.699	
4/26/96	13:22:15	22.3247	21.94	0.671	
4/26/96	13:23:34	23.6497	21.92	0.648	
4/26/96	13:24:59	25.0547	21.92	0.63	

SWL0023 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
4/26/96	13:26:28	26.543	21.91	0.607	
4/26/96	13:28:03	28.118	21.91	0.593	
4/26/96	13:29:43	29.7863	21.9	0.579	
4/26/96	13:31:29	31.5547	21.9	0.567	
4/26/96	13:33:21	33.428	21.9	0.549	
4/26/96	13:35:20	35.4113	21.9	0.535	
4/26/96	13:37:26	37.513	21.9	0.526	
4/26/96	13:39:40	39.7397	21.9	0.394	
4/26/96	13:42:01	42.098	21.9	0.457	
4/26/96	13:44:31	44.5963	21.9	0.48	
4/26/96	13:47:10	47.243	21.89	0.471	
4/26/96	13:49:58	50.0463	21.89	0.461	
4/26/96	13:52:56	53.0147	21.89	0.452	
4/26/96	13:56:05	56.1597	21.89	0.438	
4/26/96	13:59:25	59.4913	21.88	0.434	
4/26/96	14:02:57	63.0197	21.87	0.424	
4/26/96	14:06:41	66.758	21.87	0.415	
4/26/96	14:10:39	70.718	21.87	0.406	
4/26/96	14:14:50	74.9113	21.87	0.401	
4/26/96	14:19:17	79.3547	21.86	0.397	
4/26/96	14:23:59	84.0613	21.86	0.388	
4/26/96	14:28:58	89.0463	21.85	0.383	
4/26/96	14:34:15	94.3263	21.85	0.369	
4/26/96	14:39:51	99.9197	21.84	0.36	
4/26/96	14:45:46	105.8447	21.84	0.355	
4/26/96	14:52:03	112.1197	21.83	0.351	
4/26/96	14:58:42	118.768	21.83	0.344	
4/26/96	15:05:44	125.8097	21.82	0.339	
4/26/96	15:13:12	133.268	21.82	0.33	
4/26/96	15:21:06	141.168	21.81	0.325	
4/26/96	15:29:28	149.5363	21.8	0.321	
4/26/96	15:38:20	158.4013	21.8	0.316	
4/26/96	15:47:43	167.7913	21.8	0.311	
4/26/96	15:57:40	177.738	21.79	0.307	
4/26/96	16:08:12	188.2747	21.79	0.298	
4/26/96	16:19:22	199.4347	21.79	0.3	
4/26/96	16:31:11	211.2563	21.78	0.293	
4/26/96	16:43:42	223.778	21.78	0.288	
4/26/96	16:56:58	237.043	21.78	0.284	
4/26/96	17:11:01	251.093	21.78	0.284	
4/26/96	17:25:54	265.9763	21.77	0.279	
4/26/96	17:40:54	280.9763	21.76	0.277	
4/26/96	17:55:54	295.9763	21.76	0.277	
4/26/96	18:10:54	310.9763	21.76	0.27	
4/26/96	18:25:54	325.9763	21.76	0.268	
4/26/96	18:40:54	340.9763	21.75	0.263	
4/26/96	18:55:54	355.9763	21.76	0.265	
4/26/96	19:10:54	370.9763	21.75	0.258	
4/26/96	19:25:54	385.9763	21.74	0.254	
4/26/96	19:40:54	400.9763	21.75	0.256	

SWL0023 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
4/26/96	19:55:54	415.9763	21.74	0.254	
4/26/96	20:10:54	430.9763	21.75	0.251	
4/26/96	20:25:54	445.9763	21.74	0.254	
4/26/96	20:40:54	460.9763	21.74	0.249	
4/26/96	20:55:54	475.9763	21.74	0.249	
4/26/96	21:10:54	490.9763	21.74	0.249	
4/26/96	21:25:54	505.9763	21.74	0.249	
4/26/96	21:40:54	520.9763	21.74	0.249	
4/26/96	21:55:54	535.9763	21.74	0.245	
4/26/96	22:10:54	550.9763	21.74	0.249	
4/26/96	22:25:54	565.9763	21.74	0.249	
4/26/96	22:40:54	580.9763	21.74	0.249	
4/26/96	22:55:54	595.9763	21.74	0.245	
4/26/96	23:10:54	610.9763	21.73	0.245	
4/26/96	23:25:54	625.9763	21.73	0.245	
4/26/96	23:40:54	640.9763	21.73	0.24	
4/26/96	23:55:54	655.9763	21.73	0.24	
4/27/96	0:10:54	670.9763	21.73	0.24	
4/27/96	0:25:54	685.9763	21.73	0.24	
4/27/96	0:40:54	700.9763	21.73	0.24	
4/27/96	0:55:54	715.9763	21.72	0.235	
4/27/96	1:10:54	730.9763	21.73	0.238	
4/27/96	1:25:54	745.9763	21.73	0.233	
4/27/96	1:40:54	760.9763	21.73	0.233	
4/27/96	1:55:54	775.9763	21.72	0.231	
4/27/96	2:10:54	790.9763	21.73	0.228	
4/27/96	2:25:54	805.9763	21.73	0.228	
4/27/96	2:40:54	820.9763	21.72	0.224	
4/27/96	2:55:54	835.9763	21.72	0.224	
4/27/96	3:10:54	850.9763	21.72	0.224	
4/27/96	3:25:54	865.9763	21.72	0.224	
4/27/96	3:40:54	880.9763	21.73	0.219	
4/27/96	3:55:54	895.9763	21.72	0.219	
4/27/96	4:10:54	910.9763	21.72	0.219	
4/27/96	4:25:54	925.9763	21.72	0.219	
4/27/96	4:40:54	940.9763	21.72	0.215	
4/27/96	4:55:54	955.9763	21.72	0.215	
4/27/96	5:10:54	970.9763	21.72	0.21	
4/27/96	5:25:54	985.9763	21.72	0.21	
4/27/96	5:40:54	1000.976	21.72	0.21	
4/27/96	5:55:54	1015.976	21.72	0.205	
4/27/96	6:10:54	1030.976	21.72	0.205	
4/27/96	6:25:54	1045.976	21.72	0.205	
4/27/96	6:40:54	1060.976	21.72	0.21	
4/27/96	6:55:54	1075.976	21.72	0.205	
4/27/96	7:10:54	1090.976	21.72	0.205	
4/27/96	7:25:54	1105.976	21.72	0.201	
4/27/96	7:40:54	1120.976	21.72	0.201	
4/27/96	7:55:54	1135.976	21.72	0.205	
4/27/96	8:10:54	1150.976	21.72	0.201	

SWL0023 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
4/27/96	8:25:54	1165.976	21.71	0.205	
4/27/96	8:40:54	1180.976	21.72	0.201	
4/27/96	8:55:54	1195.976	21.72	0.201	
4/27/96	9:10:54	1210.976	21.72	0.196	
4/27/96	9:25:54	1225.976	21.71	0.191	
4/27/96	9:40:54	1240.976	21.71	0.196	
4/27/96	9:55:54	1255.976	21.72	0.191	
4/27/96	10:10:54	1270.976	21.72	0.191	
4/27/96	10:25:54	1285.976	21.72	0.187	
4/27/96	10:40:54	1300.976	21.71	0.191	
4/27/96	10:55:54	1315.976	21.71	0.191	
4/27/96	11:10:54	1330.976	21.72	0.191	
4/27/96	11:25:54	1345.976	21.71	0.187	
4/27/96	11:40:54	1360.976	21.72	0.187	
4/27/96	11:55:54	1375.976	21.72	0.187	
4/27/96	12:10:54	1390.976	21.72	0.187	
4/27/96	12:25:54	1405.976	21.72	0.187	
4/27/96	12:40:54	1420.976	21.72	0.187	
4/27/96	12:55:54	1435.976	21.72	0.182	
4/27/96	13:10:54	1450.976	21.71	0.182	
4/27/96	13:25:54	1465.976	21.72	0.178	
4/27/96	13:40:54	1480.976	21.72	0.178	
4/27/96	13:55:54	1495.976	21.71	0.178	
4/27/96	14:10:54	1510.976	21.71	0.178	
4/27/96	14:25:54	1525.976	21.71	0.173	
4/27/96	14:40:54	1540.976	21.72	0.168	
4/27/96	14:55:54	1555.976	21.72	0.168	
4/27/96	15:10:54	1570.976	21.71	0.168	
4/27/96	15:25:54	1585.976	21.71	0.164	
4/27/96	15:40:54	1600.976	21.72	0.164	
4/27/96	15:55:54	1615.976	21.72	0.159	
4/27/96	16:10:54	1630.976	21.72	0.159	
4/27/96	16:25:54	1645.976	21.72	0.159	
4/27/96	16:40:54	1660.976	21.72	0.159	
4/27/96	16:55:54	1675.976	21.72	0.159	
4/27/96	17:10:54	1690.976	21.72	0.155	
4/27/96	17:25:54	1705.976	21.72	0.155	
4/27/96	17:40:54	1720.976	21.71	0.15	
4/27/96	17:55:54	1735.976	21.72	0.15	
4/27/96	18:10:54	1750.976	21.72	0.145	
4/27/96	18:25:54	1765.976	21.72	0.145	
4/27/96	18:40:54	1780.976	21.72	0.145	
4/27/96	18:55:54	1795.976	21.72	0.141	
4/27/96	19:10:54	1810.976	21.72	0.141	
4/27/96	19:25:54	1825.976	21.72	0.141	
4/27/96	19:40:54	1840.976	21.71	0.141	
4/27/96	19:55:54	1855.976	21.71	0.141	
4/27/96	20:10:54	1870.976	21.71	0.136	
4/27/96	20:25:54	1885.976	21.71	0.132	
4/27/96	20:40:54	1900.976	21.71	0.132	

SWL0023 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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4/27/96	20:55:54	1915.976	21.71	0.132	
4/27/96	21:10:54	1930.976	21.71	0.132	
4/27/96	21:25:54	1945.976	21.71	0.132	
4/27/96	21:40:54	1960.976	21.72	0.132	
4/27/96	21:55:54	1975.976	21.72	0.132	
4/27/96	22:10:54	1990.976	21.71	0.127	
4/27/96	22:25:54	2005.976	21.71	0.127	
4/27/96	22:40:54	2020.976	21.72	0.127	
4/27/96	22:55:54	2035.976	21.72	0.127	
4/27/96	23:10:54	2050.976	21.72	0.122	
4/27/96	23:25:54	2065.976	21.71	0.122	
4/27/96	23:40:54	2080.976	21.72	0.118	
4/27/96	23:55:54	2095.976	21.72	0.118	
4/28/96	0:10:54	2110.976	21.71	0.118	
4/28/96	0:25:54	2125.976	21.71	0.118	
4/28/96	0:40:54	2140.976	21.72	0.113	
4/28/96	0:55:54	2155.976	21.72	0.113	
4/28/96	1:10:54	2170.976	21.72	0.118	
4/28/96	1:25:54	2185.976	21.72	0.113	
4/28/96	1:40:54	2200.976	21.71	0.113	
4/28/96	1:55:54	2215.976	21.72	0.108	
4/28/96	2:10:54	2230.976	21.72	0.108	
4/28/96	2:25:54	2245.976	21.71	0.104	
4/28/96	2:40:54	2260.976	21.71	0.108	
4/28/96	2:55:54	2275.976	21.71	0.108	
4/28/96	3:10:54	2290.976	21.72	0.104	
4/28/96	3:25:54	2305.976	21.71	0.104	
4/28/96	3:40:54	2320.976	21.71	0.104	
4/28/96	3:55:54	2335.976	21.71	0.099	
4/28/96	4:10:54	2350.976	21.71	0.104	
4/28/96	4:25:54	2365.976	21.71	0.099	
4/28/96	4:40:54	2380.976	21.71	0.099	
4/28/96	4:55:54	2395.976	21.71	0.099	
4/28/96	5:10:54	2410.976	21.71	0.099	
4/28/96	5:25:54	2425.976	21.71	0.099	
4/28/96	5:40:54	2440.976	21.71	0.095	
4/28/96	5:55:54	2455.976	21.71	0.095	
4/28/96	6:10:54	2470.976	21.71	0.099	
4/28/96	6:25:54	2485.976	21.71	0.095	
4/28/96	6:40:54	2500.976	21.71	0.095	
4/28/96	6:55:54	2515.976	21.71	0.099	
4/28/96	7:10:54	2530.976	21.71	0.099	
4/28/96	7:25:54	2545.976	21.71	0.099	
4/28/96	7:40:54	2560.976	21.71	0.099	
4/28/96	7:55:54	2575.976	21.71	0.099	
4/28/96	8:10:54	2590.976	21.71	0.099	
4/28/96	8:25:54	2605.976	21.71	0.099	
4/28/96	8:40:54	2620.976	21.71	0.104	
4/28/96	8:55:54	2635.976	21.71	0.104	
4/28/96	9:10:54	2650.976	21.71	0.104	

SWL0023 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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4/28/96	9:25:54	2665.976	21.71	0.104
4/28/96	9:40:54	2680.976	21.71	0.104
4/28/96	9:55:54	2695.976	21.71	0.104
4/28/96	10:10:54	2710.976	21.71	0.104
4/28/96	10:25:54	2725.976	21.71	0.108
4/28/96	10:40:54	2740.976	21.71	0.104
4/28/96	10:55:54	2755.976	21.71	0.104
4/28/96	11:10:54	2770.976	21.71	0.108
4/28/96	11:25:54	2785.976	21.71	0.104
4/28/96	11:40:54	2800.976	21.71	0.104
4/28/96	11:55:54	2815.976	21.71	0.104
4/28/96	12:10:54	2830.976	21.72	0.108
4/28/96	12:25:54	2845.976	21.71	0.104
4/28/96	12:40:54	2860.976	21.71	0.104
4/28/96	12:55:54	2875.976	21.71	0.104
4/28/96	13:10:54	2890.976	21.71	0.104
4/28/96	13:25:54	2905.976	21.71	0.104
4/28/96	13:40:54	2920.976	21.71	0.104
4/28/96	13:55:54	2935.976	21.71	0.104
4/28/96	14:10:54	2950.976	21.71	0.099
4/28/96	14:25:54	2965.976	21.71	0.099
4/28/96	14:40:54	2980.976	21.71	0.099
4/28/96	14:55:54	2995.976	21.71	0.104
4/28/96	15:10:54	3010.976	21.71	0.095
4/28/96	15:25:54	3025.976	21.71	0.095
4/28/96	15:40:54	3040.976	21.71	0.095
4/28/96	15:55:54	3055.976	21.71	0.095
4/28/96	16:10:54	3070.976	21.71	0.095
4/28/96	16:25:54	3085.976	21.71	0.095
4/28/96	16:40:54	3100.976	21.71	0.095
4/28/96	16:55:54	3115.976	21.71	0.095
4/28/96	17:10:54	3130.976	21.71	0.09
4/28/96	17:25:54	3145.976	21.71	0.095
4/28/96	17:40:54	3160.976	21.71	0.09
4/28/96	17:55:54	3175.976	21.71	0.09
4/28/96	18:10:54	3190.976	21.71	0.09
4/28/96	18:25:54	3205.976	21.71	0.09
4/28/96	18:40:54	3220.976	21.71	0.095
4/28/96	18:55:54	3235.976	21.71	0.09
4/28/96	19:10:54	3250.976	21.71	0.09
4/28/96	19:25:54	3265.976	21.72	0.09
4/28/96	19:40:54	3280.976	21.71	0.095
4/28/96	19:55:54	3295.976	21.71	0.095
4/28/96	20:10:54	3310.976	21.71	0.095
4/28/96	20:25:54	3325.976	21.71	0.095
4/28/96	20:40:54	3340.976	21.71	0.095
4/28/96	20:55:54	3355.976	21.71	0.099
4/28/96	21:10:54	3370.976	21.71	0.095
4/28/96	21:25:54	3385.976	21.71	0.099
4/28/96	21:40:54	3400.976	21.71	0.095

SWL0023 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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4/28/96	21:55:54	3415.976	21.71	0.104	
4/28/96	22:10:54	3430.976	21.71	0.104	
4/28/96	22:25:54	3445.976	21.71	0.104	
4/28/96	22:40:54	3460.976	21.71	0.104	
4/28/96	22:55:54	3475.976	21.71	0.099	
4/28/96	23:10:54	3490.976	21.71	0.104	
4/28/96	23:25:54	3505.976	21.71	0.099	
4/28/96	23:40:54	3520.976	21.71	0.099	
4/28/96	23:55:54	3535.976	21.71	0.099	
4/29/96	0:10:54	3550.976	21.71	0.095	
4/29/96	0:25:54	3565.976	21.71	0.099	
4/29/96	0:40:54	3580.976	21.71	0.099	
4/29/96	0:55:54	3595.976	21.71	0.099	
4/29/96	1:10:54	3610.976	21.71	0.104	
4/29/96	1:25:54	3625.976	21.71	0.099	
4/29/96	1:40:54	3640.976	21.71	0.099	
4/29/96	1:55:54	3655.976	21.71	0.099	
4/29/96	2:10:54	3670.976	21.71	0.104	
4/29/96	2:25:54	3685.976	21.71	0.104	
4/29/96	2:40:54	3700.976	21.71	0.104	
4/29/96	2:55:54	3715.976	21.71	0.104	
4/29/96	3:10:54	3730.976	21.71	0.104	
4/29/96	3:25:54	3745.976	21.71	0.099	
4/29/96	3:40:54	3760.976	21.71	0.095	
4/29/96	3:55:54	3775.976	21.71	0.095	
4/29/96	4:10:54	3790.976	21.71	0.095	
4/29/96	4:25:54	3805.976	21.71	0.099	
4/29/96	4:40:54	3820.976	21.71	0.095	
4/29/96	4:55:54	3835.976	21.71	0.085	
4/29/96	5:10:54	3850.976	21.71	0.09	
4/29/96	5:25:54	3865.976	21.71	0.095	
4/29/96	5:40:54	3880.976	21.71	0.09	
4/29/96	5:55:54	3895.976	21.71	0.085	
4/29/96	6:10:54	3910.976	21.71	0.085	
4/29/96	6:25:54	3925.976	21.71	0.085	
4/29/96	6:40:54	3940.976	21.71	0.081	
4/29/96	6:55:54	3955.976	21.71	0.072	
4/29/96	7:10:54	3970.976	21.71	0.069	
4/29/96	7:25:54	3985.976	21.71	0.069	
4/29/96	7:40:54	4000.976	21.71	0.065	
4/29/96	7:55:54	4015.976	21.71	0.065	
4/29/96	8:10:54	4030.976	21.71	0.069	
4/29/96	8:25:54	4045.976	21.71	0.069	
4/29/96	8:40:54	4060.976	21.74	0.118	

SWL0037 Recovery Data

IN_SITU INC.	TROLL			
Serial number:	266			
Unit name:	SWL0037			
Report generated:	3/27/96	9:30:20		
Report from file: F:\SHARED\AXC\DELAMO\PUMPTEST\SWL0037\SWL37R.BIN				
Test name:	SWL0037 Recovery			
Test defined on:	3/18/96	15:41:26		
Test started on:	3/23/96	20:35:59		
Test stopped on:	3/25/96	10:28:14		
Test extracted on:	3/25/96	10:28:48		
Data gathered using Logarithmic testing				
Maximum time between data points: 15.0000	Minutes.			
Number of data samples:	291			
Channel number [1]				
Measurement type:	Temperature			
Channel name:	OnBoard Temp			
Channel number [2]				
Measurement type:	Pressure/Level			
Channel name:	OnBoard Pressure			
Specific gravity:	1			
Mode:	TOC			
User-defined reference:	4.839	Feet H2O		
Referenced on:	test start			
Pressure head at reference:	41.495	Feet H2O		
			Channel[1]	Channel[2]
Date	Time	ET (min)	Celsius	Feet H2O
---	---	---	---	---
3/23/96	20:36:00	0	21.49	4.839
3/23/96	20:36:00	0.005	21.49	4.834
3/23/96	20:36:00	0.01	21.5	4.834
3/23/96	20:36:01	0.015	21.5	4.834
3/23/96	20:36:01	0.02	21.51	4.825
3/23/96	20:36:01	0.025	21.51	4.821
3/23/96	20:36:02	0.03	21.51	4.807
3/23/96	20:36:02	0.035	21.52	4.797
3/23/96	20:36:02	0.04	21.52	4.788
3/23/96	20:36:02	0.045	21.52	4.774
3/23/96	20:36:03	0.05	21.53	4.756
3/23/96	20:36:03	0.055	21.53	4.747
3/23/96	20:36:03	0.06	21.53	4.705
3/23/96	20:36:04	0.065	21.53	4.673
3/23/96	20:36:04	0.07	21.53	4.654
3/23/96	20:36:04	0.075	21.54	4.613
3/23/96	20:36:05	0.08	21.54	4.562
3/23/96	20:36:05	0.0858	21.55	4.516

SWL0037 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
---	---	---	---	---
3/23/96	20:36:05	0.092	21.55	4.47
3/23/96	20:36:06	0.0985	21.55	4.419
3/23/96	20:36:06	0.1055	21.55	4.355
3/23/96	20:36:06	0.1128	21.55	4.29
3/23/96	20:36:07	0.1207	21.56	4.207
3/23/96	20:36:07	0.129	21.58	4.059
3/23/96	20:36:08	0.1378	21.58	3.962
3/23/96	20:36:09	0.1472	21.58	3.87
3/23/96	20:36:09	0.157	21.58	3.769
3/23/96	20:36:10	0.1675	21.58	3.723
3/23/96	20:36:10	0.1785	21.58	3.533
3/23/96	20:36:11	0.1902	21.58	3.473
3/23/96	20:36:12	0.2027	21.58	3.377
3/23/96	20:36:13	0.2158	21.59	3.234
3/23/96	20:36:13	0.2298	21.59	3.109
3/23/96	20:36:14	0.2447	21.58	3.003
3/23/96	20:36:15	0.2603	21.58	2.864
3/23/96	20:36:16	0.277	21.59	2.735
3/23/96	20:36:17	0.2947	21.59	2.643
3/23/96	20:36:19	0.3133	21.59	2.477
3/23/96	20:36:20	0.3332	21.59	2.399
3/23/96	20:36:21	0.3542	21.59	2.292
3/23/96	20:36:22	0.3763	21.59	2.191
3/23/96	20:36:24	0.3998	21.58	2.117
3/23/96	20:36:25	0.4247	21.59	2.025
3/23/96	20:36:27	0.4497	21.59	1.956
3/23/96	20:36:28	0.4763	21.59	1.905
3/23/96	20:36:30	0.5047	21.59	1.868
3/23/96	20:36:32	0.5347	21.59	1.794
3/23/96	20:36:34	0.5663	21.59	1.693
3/23/96	20:36:36	0.6013	21.59	1.642
3/23/96	20:36:38	0.638	21.6	1.614
3/23/96	20:36:40	0.6763	21.6	1.559
3/23/96	20:36:43	0.718	21.59	1.504
3/23/96	20:36:45	0.7613	21.61	1.448
3/23/96	20:36:48	0.808	21.59	1.388
3/23/96	20:36:51	0.8563	21.59	1.342
3/23/96	20:36:54	0.908	21.59	1.287
3/23/96	20:36:57	0.963	21.59	1.236
3/23/96	20:37:01	1.0213	21.59	1.185
3/23/96	20:37:05	1.083	21.59	1.134
3/23/96	20:37:09	1.148	21.59	1.084
3/23/96	20:37:13	1.218	21.59	1.038
3/23/96	20:37:17	1.2913	21.59	0.987
3/23/96	20:37:22	1.3697	21.59	0.95
3/23/96	20:37:27	1.453	21.59	0.899
3/23/96	20:37:32	1.5413	21.59	0.858
3/23/96	20:37:38	1.6347	21.59	0.821
3/23/96	20:37:44	1.733	21.59	0.788
3/23/96	20:37:50	1.838	21.59	0.738

SWL0037 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
---	---	---	---	---
3/23/96	20:37:57	1.948	21.59	0.724
3/23/96	20:38:04	2.0647	21.59	0.692
3/23/96	20:38:11	2.1897	21.59	0.659
3/23/96	20:38:19	2.3213	21.6	0.636
3/23/96	20:38:27	2.4613	21.63	0.622
3/23/96	20:38:36	2.6097	21.62	0.595
3/23/96	20:38:46	2.7663	21.62	0.572
3/23/96	20:38:56	2.933	21.61	0.553
3/23/96	20:39:06	3.1097	21.62	0.539
3/23/96	20:39:17	3.2963	21.61	0.521
3/23/96	20:39:29	3.4947	21.62	0.502
3/23/96	20:39:42	3.7047	21.62	0.489
3/23/96	20:39:55	3.9263	21.61	0.479
3/23/96	20:40:09	4.1613	21.61	0.466
3/23/96	20:40:24	4.4097	21.61	0.452
3/23/96	20:40:40	4.673	21.61	0.438
3/23/96	20:40:57	4.953	21.61	0.429
3/23/96	20:41:15	5.2497	21.61	0.419
3/23/96	20:41:33	5.563	21.61	0.406
3/23/96	20:41:53	5.8947	21.61	0.396
3/23/96	20:42:14	6.2463	21.6	0.387
3/23/96	20:42:37	6.6197	21.61	0.373
3/23/96	20:43:01	7.0147	21.59	0.369
3/23/96	20:43:26	7.433	21.59	0.359
3/23/96	20:43:52	7.8763	21.58	0.35
3/23/96	20:44:20	8.3463	21.61	0.341
3/23/96	20:44:50	8.8447	21.59	0.336
3/23/96	20:45:22	9.3713	21.61	0.327
3/23/96	20:45:55	9.9297	21.59	0.318
3/23/96	20:46:31	10.5213	21.59	0.309
3/23/96	20:47:09	11.148	21.58	0.299
3/23/96	20:47:48	11.8113	21.6	0.299
3/23/96	20:48:31	12.5147	21.58	0.286
3/23/96	20:49:15	13.2597	21.57	0.276
3/23/96	20:50:03	14.0497	21.59	0.272
3/23/96	20:50:53	14.8863	21.57	0.263
3/23/96	20:51:46	15.7713	21.59	0.253
3/23/96	20:52:42	16.7097	21.58	0.249
3/23/96	20:53:42	17.703	21.56	0.244
3/23/96	20:54:45	18.7563	21.56	0.23
3/23/96	20:55:52	19.8713	21.55	0.23
3/23/96	20:57:03	21.053	21.58	0.221
3/23/96	20:58:18	22.3047	21.56	0.216
3/23/96	20:59:37	23.6297	21.56	0.207
3/23/96	21:01:02	25.0347	21.55	0.203
3/23/96	21:02:31	26.523	21.54	0.193
3/23/96	21:04:06	28.098	21.55	0.193
3/23/96	21:05:46	29.7663	21.53	0.184
3/23/96	21:07:32	31.5347	21.52	0.18
3/23/96	21:09:24	33.408	21.51	0.17

SWL0037 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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3/23/96	21:11:23	35.3913	21.52	0.166
3/23/96	21:13:29	37.493	21.51	0.156
3/23/96	21:15:43	39.7197	21.5	0.152
3/23/96	21:18:04	42.078	21.49	0.147
3/23/96	21:20:34	44.5763	21.48	0.143
3/23/96	21:23:13	47.223	21.48	0.138
3/23/96	21:26:01	50.0263	21.48	0.133
3/23/96	21:28:59	52.9947	21.47	0.129
3/23/96	21:32:08	56.1397	21.47	0.124
3/23/96	21:35:28	59.4713	21.47	0.12
3/23/96	21:39:00	62.9997	21.47	0.115
3/23/96	21:42:44	66.738	21.47	0.115
3/23/96	21:46:42	70.698	21.47	0.11
3/23/96	21:50:53	74.8913	21.47	0.11
3/23/96	21:55:20	79.3347	21.47	0.106
3/23/96	22:00:02	84.0413	21.47	0.101
3/23/96	22:05:01	89.0263	21.46	0.101
3/23/96	22:10:18	94.3063	21.47	0.101
3/23/96	22:15:54	99.8997	21.46	0.096
3/23/96	22:21:49	105.8247	21.46	0.096
3/23/96	22:28:06	112.0997	21.46	0.096
3/23/96	22:34:45	118.748	21.47	0.096
3/23/96	22:41:47	125.7897	21.46	0.096
3/23/96	22:49:15	133.248	21.47	0.092
3/23/96	22:57:09	141.148	21.46	0.092
3/23/96	23:05:31	149.5163	21.46	0.087
3/23/96	23:14:23	158.3813	21.46	0.092
3/23/96	23:23:46	167.7713	21.46	0.092
3/23/96	23:33:43	177.718	21.46	0.096
3/23/96	23:44:15	188.2547	21.46	0.096
3/23/96	23:55:25	199.4147	21.46	0.096
3/24/96	0:07:14	211.2363	21.46	0.096
3/24/96	0:19:45	223.758	21.46	0.096
3/24/96	0:33:01	237.023	21.46	0.101
3/24/96	0:47:04	251.073	21.46	0.101
3/24/96	1:01:57	265.9563	21.46	0.101
3/24/96	1:16:57	280.9563	21.46	0.101
3/24/96	1:31:57	295.9563	21.46	0.106
3/24/96	1:46:57	310.9563	21.46	0.106
3/24/96	2:01:57	325.9563	21.46	0.106
3/24/96	2:16:57	340.9563	21.46	0.106
3/24/96	2:31:57	355.9563	21.46	0.101
3/24/96	2:46:57	370.9563	21.46	0.101
3/24/96	3:01:57	385.9563	21.46	0.101
3/24/96	3:16:57	400.9563	21.46	0.101
3/24/96	3:31:57	415.9563	21.46	0.101
3/24/96	3:46:57	430.9563	21.46	0.101
3/24/96	4:01:57	445.9563	21.46	0.101
3/24/96	4:16:57	460.9563	21.46	0.101
3/24/96	4:31:57	475.9563	21.46	0.101

SWL0037 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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3/24/96	4:46:57	490.9563	21.46	0.101
3/24/96	5:01:57	505.9563	21.46	0.106
3/24/96	5:16:57	520.9563	21.46	0.101
3/24/96	5:31:57	535.9563	21.46	0.106
3/24/96	5:46:57	550.9563	21.46	0.106
3/24/96	6:01:57	565.9563	21.46	0.11
3/24/96	6:16:57	580.9563	21.46	0.115
3/24/96	6:31:57	595.9563	21.46	0.12
3/24/96	6:46:57	610.9563	21.46	0.124
3/24/96	7:01:57	625.9563	21.46	0.124
3/24/96	7:16:57	640.9563	21.46	0.129
3/24/96	7:31:57	655.9563	21.46	0.133
3/24/96	7:46:57	670.9563	21.46	0.138
3/24/96	8:01:57	685.9563	21.46	0.138
3/24/96	8:16:57	700.9563	21.46	0.143
3/24/96	8:31:57	715.9563	21.46	0.147
3/24/96	8:46:57	730.9563	21.46	0.152
3/24/96	9:01:57	745.9563	21.46	0.152
3/24/96	9:16:57	760.9563	21.46	0.152
3/24/96	9:31:57	775.9563	21.46	0.156
3/24/96	9:46:57	790.9563	21.46	0.156
3/24/96	10:01:57	805.9563	21.46	0.156
3/24/96	10:16:57	820.9563	21.46	0.156
3/24/96	10:31:57	835.9563	21.46	0.156
3/24/96	10:46:57	850.9563	21.46	0.156
3/24/96	11:01:57	865.9563	21.46	0.152
3/24/96	11:16:57	880.9563	21.46	0.156
3/24/96	11:31:57	895.9563	21.46	0.152
3/24/96	11:46:57	910.9563	21.46	0.152
3/24/96	12:01:57	925.9563	21.46	0.152
3/24/96	12:16:57	940.9563	21.46	0.152
3/24/96	12:31:57	955.9563	21.46	0.152
3/24/96	12:46:57	970.9563	21.46	0.147
3/24/96	13:01:57	985.9563	21.46	0.147
3/24/96	13:16:57	1000.956	21.46	0.143
3/24/96	13:31:57	1015.956	21.46	0.143
3/24/96	13:46:57	1030.956	21.46	0.138
3/24/96	14:01:57	1045.956	21.46	0.138
3/24/96	14:16:57	1060.956	21.46	0.133
3/24/96	14:31:57	1075.956	21.46	0.133
3/24/96	14:46:57	1090.956	21.46	0.129
3/24/96	15:01:57	1105.956	21.46	0.124
3/24/96	15:16:57	1120.956	21.46	0.124
3/24/96	15:31:57	1135.956	21.46	0.12
3/24/96	15:46:57	1150.956	21.46	0.124
3/24/96	16:01:57	1165.956	21.46	0.12
3/24/96	16:16:57	1180.956	21.46	0.12
3/24/96	16:31:57	1195.956	21.46	0.12
3/24/96	16:46:57	1210.956	21.46	0.12
3/24/96	17:01:57	1225.956	21.46	0.124

SWL0037 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
---	---	---	---	---
3/24/96	17:16:57	1240.956	21.46	0.124
3/24/96	17:31:57	1255.956	21.46	0.124
3/24/96	17:46:57	1270.956	21.46	0.124
3/24/96	18:01:57	1285.956	21.46	0.124
3/24/96	18:16:57	1300.956	21.46	0.124
3/24/96	18:31:57	1315.956	21.46	0.124
3/24/96	18:46:57	1330.956	21.46	0.12
3/24/96	19:01:57	1345.956	21.46	0.124
3/24/96	19:16:57	1360.956	21.46	0.124
3/24/96	19:31:57	1375.956	21.46	0.124
3/24/96	19:46:57	1390.956	21.46	0.129
3/24/96	20:01:57	1405.956	21.46	0.133
3/24/96	20:16:57	1420.956	21.46	0.133
3/24/96	20:31:57	1435.956	21.46	0.138
3/24/96	20:46:57	1450.956	21.46	0.143
3/24/96	21:01:57	1465.956	21.46	0.143
3/24/96	21:16:57	1480.956	21.46	0.143
3/24/96	21:31:57	1495.956	21.46	0.143
3/24/96	21:46:57	1510.956	21.46	0.147
3/24/96	22:01:57	1525.956	21.46	0.147
3/24/96	22:16:57	1540.956	21.46	0.152

SWL0039 Recovery Data

IN_SITU INC.	TROLL			
Serial number:	763			
Unit name:	SWL0039			
Report generated:	1/22/96	11:54:56		
Report from file:	TMP2.$$$			
Test name:	SWL39 Recovery2			
Test defined on:	1/18/96	12:08:13		
Test started on:	1/19/96	21:52:58		
Test stopped on:	1/22/96	11:53:48		
Test extracted on:	1/22/96	11:54:51		
Data gathered using Logarithmic testing				
Maximum time between data points: 15.0	Minutes.			
Number of data samples:	388			
Channel number [1]				
Measurement type:	Temperature			
Channel name:	OnBoard Temp			
Channel number [2]				
Measurement type:	Pressure/Level			
Channel name:	Water Level			
Specific gravity:	1			
Mode:	TOC			
User-defined reference:	7.248	Feet H2O		
Referenced on:	test start			
Pressure head at reference:	6.309	Feet H2O		
			Channel[1]	Channel[2]
Date	Time	ET (min)	Celsius	Feet H2O
------	------	------	------	------
1/19/96	21:53:00	0	22.27	7.25
1/19/96	21:53:01	0.005	22.27	7.248
1/19/96	21:53:01	0.01	22.27	7.204
1/19/96	21:53:01	0.015	22.27	7.236
1/19/96	21:53:01	0.02	22.28	7.225
1/19/96	21:53:02	0.025	22.28	7.223
1/19/96	21:53:02	0.03	22.29	7.218
1/19/96	21:53:02	0.035	22.28	7.211
1/19/96	21:53:03	0.04	22.29	7.204
1/19/96	21:53:03	0.045	22.28	7.197
1/19/96	21:53:03	0.05	22.29	7.188
1/19/96	21:53:04	0.055	22.29	7.181
1/19/96	21:53:04	0.0608	22.29	7.167
1/19/96	21:53:04	0.067	22.29	7.156
1/19/96	21:53:05	0.0735	22.3	7.142
1/19/96	21:53:05	0.0805	22.3	7.13
1/19/96	21:53:05	0.0878	22.3	7.117

SWL0039 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
1/19/96	21:53:06	0.0957	22.31	7.1
1/19/96	21:53:06	0.104	22.33	7.075
1/19/96	21:53:07	0.1128	22.33	7.059
1/19/96	21:53:08	0.1222	22.34	7.043
1/19/96	21:53:08	0.132	22.34	7.027
1/19/96	21:53:09	0.1425	22.34	7.01
1/19/96	21:53:09	0.1535	22.34	6.992
1/19/96	21:53:10	0.1652	22.34	6.974
1/19/96	21:53:11	0.1777	22.34	6.953
1/19/96	21:53:12	0.1908	22.34	6.934
1/19/96	21:53:12	0.2048	22.34	6.914
1/19/96	21:53:13	0.2197	22.34	6.895
1/19/96	21:53:14	0.2353	22.34	6.872
1/19/96	21:53:15	0.252	22.34	6.847
1/19/96	21:53:16	0.2697	22.34	6.824
1/19/96	21:53:18	0.2883	22.34	6.801
1/19/96	21:53:19	0.3082	22.34	6.773
1/19/96	21:53:20	0.3292	22.35	6.743
1/19/96	21:53:21	0.3513	22.35	6.715
1/19/96	21:53:23	0.3748	22.35	6.683
1/19/96	21:53:24	0.3997	22.34	6.651
1/19/96	21:53:26	0.4247	22.34	6.618
1/19/96	21:53:27	0.4513	22.34	6.584
1/19/96	21:53:29	0.4797	22.34	6.549
1/19/96	21:53:31	0.5097	22.34	6.514
1/19/96	21:53:33	0.5413	22.35	6.473
1/19/96	21:53:35	0.5763	22.35	6.431
1/19/96	21:53:37	0.613	22.34	6.385
1/19/96	21:53:39	0.6513	22.34	6.341
1/19/96	21:53:42	0.693	22.34	6.291
1/19/96	21:53:44	0.7363	22.34	6.238
1/19/96	21:53:47	0.783	22.34	6.182
1/19/96	21:53:50	0.8313	22.36	6.129
1/19/96	21:53:53	0.883	22.35	6.072
1/19/96	21:53:56	0.938	22.36	6.012
1/19/96	21:54:00	0.9963	22.35	5.949
1/19/96	21:54:04	1.058	22.35	5.887
1/19/96	21:54:08	1.123	22.36	5.82
1/19/96	21:54:12	1.193	22.37	5.756
1/19/96	21:54:16	1.2663	22.39	5.682
1/19/96	21:54:21	1.3447	22.38	5.608
1/19/96	21:54:26	1.428	22.37	5.527
1/19/96	21:54:31	1.5163	22.37	5.444
1/19/96	21:54:37	1.6097	22.37	5.357
1/19/96	21:54:43	1.708	22.36	5.267
1/19/96	21:54:49	1.813	22.37	5.174
1/19/96	21:54:56	1.923	22.41	5.075
1/19/96	21:55:03	2.0397	22.39	4.969
1/19/96	21:55:10	2.1647	22.38	4.861
1/19/96	21:55:18	2.2963	22.38	4.748

SWL0039 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
1/19/96	21:55:26	2.4363	22.38	4.632
1/19/96	21:55:35	2.5847	22.38	4.512
1/19/96	21:55:45	2.7413	22.37	4.397
1/19/96	21:55:55	2.908	22.37	4.277
1/19/96	21:56:05	3.0847	22.37	4.152
1/19/96	21:56:16	3.2713	22.37	4.026
1/19/96	21:56:28	3.4697	22.36	3.901
1/19/96	21:56:41	3.6797	22.37	3.76
1/19/96	21:56:54	3.9013	22.42	3.62
1/19/96	21:57:08	4.1363	22.39	3.474
1/19/96	21:57:23	4.3847	22.38	3.327
1/19/96	21:57:39	4.648	22.38	3.221
1/19/96	21:57:56	4.928	22.43	3.117
1/19/96	21:58:14	5.2247	22.41	2.99
1/19/96	21:58:32	5.538	22.42	2.865
1/19/96	21:58:52	5.8697	22.41	2.729
1/19/96	21:59:13	6.2213	22.39	2.602
1/19/96	21:59:36	6.5947	22.39	2.473
1/19/96	22:00:00	6.9897	22.38	2.346
1/19/96	22:00:25	7.408	22.39	2.222
1/19/96	22:00:51	7.8513	22.39	2.09
1/19/96	22:01:19	8.3213	22.38	1.968
1/19/96	22:01:49	8.8197	22.41	1.855
1/19/96	22:02:21	9.3463	22.37	1.735
1/19/96	22:02:54	9.9047	22.36	1.62
1/19/96	22:03:30	10.4963	22.36	1.507
1/19/96	22:04:08	11.123	22.36	1.396
1/19/96	22:04:47	11.7863	22.34	1.29
1/19/96	22:05:30	12.4897	22.33	1.191
1/19/96	22:06:14	13.2347	22.32	1.101
1/19/96	22:07:02	14.0247	22.31	1.013
1/19/96	22:07:52	14.8613	22.33	0.937
1/19/96	22:08:45	15.7463	22.31	0.863
1/19/96	22:09:41	16.6847	22.29	0.792
1/19/96	22:10:41	17.678	22.27	0.729
1/19/96	22:11:44	18.7313	22.27	0.672
1/19/96	22:12:51	19.8463	22.32	0.616
1/19/96	22:14:02	21.028	22.29	0.568
1/19/96	22:15:17	22.2797	22.28	0.524
1/19/96	22:16:36	23.6047	22.27	0.485
1/19/96	22:18:01	25.0097	22.26	0.446
1/19/96	22:19:30	26.498	22.27	0.416
1/19/96	22:21:05	28.073	22.33	0.386
1/19/96	22:22:45	29.7413	22.3	0.353
1/19/96	22:24:31	31.5097	22.29	0.33
1/19/96	22:26:23	33.383	22.27	0.312
1/19/96	22:28:22	35.3663	22.28	0.291
1/19/96	22:30:28	37.468	22.26	0.275
1/19/96	22:32:42	39.6947	22.25	0.266
1/19/96	22:35:03	42.053	22.26	0.229

SWL0039 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
1/19/96	22:37:33	44.5513	22.26	0.217
1/19/96	22:40:12	47.198	22.31	0.208
1/19/96	22:43:00	50.0013	22.31	0.192
1/19/96	22:45:58	52.9697	22.29	0.18
1/19/96	22:49:07	56.1147	22.26	0.171
1/19/96	22:52:27	59.4463	22.23	0.16
1/19/96	22:55:59	62.9747	22.22	0.15
1/19/96	22:59:43	66.713	22.21	0.141
1/19/96	23:03:41	70.673	22.21	0.134
1/19/96	23:07:52	74.8663	22.21	0.125
1/19/96	23:12:19	79.3097	22.21	0.12
1/19/96	23:17:01	84.0163	22.21	0.116
1/19/96	23:22:00	89.0013	22.21	0.104
1/19/96	23:27:17	94.2813	22.21	0.097
1/19/96	23:32:53	99.8747	22.21	0.093
1/19/96	23:38:48	105.7997	22.21	0.086
1/19/96	23:45:05	112.0747	22.21	0.081
1/19/96	23:51:44	118.723	22.21	0.081
1/19/96	23:58:46	125.7647	22.21	0.079
1/20/96	0:06:14	133.223	22.21	0.074
1/20/96	0:14:08	141.123	22.21	0.072
1/20/96	0:22:30	149.4913	22.21	0.065
1/20/96	0:31:22	158.3563	22.21	0.058
1/20/96	0:40:45	167.7463	22.21	0.056
1/20/96	0:50:42	177.693	22.21	0.049
1/20/96	1:01:14	188.2297	22.21	0.047
1/20/96	1:12:24	199.3897	22.21	0.044
1/20/96	1:24:13	211.2113	22.21	0.044
1/20/96	1:36:44	223.733	22.21	0.044
1/20/96	1:50:00	236.998	22.21	0.044
1/20/96	2:04:03	251.048	22.21	0.044
1/20/96	2:18:56	265.9313	22.21	0.042
1/20/96	2:33:56	280.9313	22.21	0.044
1/20/96	2:48:56	295.9313	22.21	0.037
1/20/96	3:03:56	310.9313	22.21	0.044
1/20/96	3:18:56	325.9313	22.21	0.047
1/20/96	3:33:56	340.9313	22.21	0.044
1/20/96	3:48:56	355.9313	22.21	0.042
1/20/96	4:03:56	370.9313	22.22	0.042
1/20/96	4:18:56	385.9313	22.21	0.044
1/20/96	4:33:56	400.9313	22.21	0.044
1/20/96	4:48:56	415.9313	22.22	0.042
1/20/96	5:03:56	430.9313	22.21	0.044
1/20/96	5:18:56	445.9313	22.22	0.044
1/20/96	5:33:56	460.9313	22.21	0.044
1/20/96	5:48:56	475.9313	22.21	0.044
1/20/96	6:03:56	490.9313	22.21	0.044
1/20/96	6:18:56	505.9313	22.21	0.047
1/20/96	6:33:56	520.9313	22.22	0.049
1/20/96	6:48:56	535.9313	22.22	0.049

SWL0039 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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1/20/96	7:03:56	550.9313	22.22	0.051
1/20/96	7:18:56	565.9313	22.22	0.056
1/20/96	7:33:56	580.9313	22.22	0.058
1/20/96	7:48:56	595.9313	22.22	0.06
1/20/96	8:03:56	610.9313	22.21	0.06
1/20/96	8:18:56	625.9313	22.22	0.058
1/20/96	8:33:56	640.9313	22.22	0.063
1/20/96	8:48:56	655.9313	22.22	0.065
1/20/96	9:03:56	670.9313	22.21	0.067
1/20/96	9:18:56	685.9313	22.21	0.065
1/20/96	9:33:56	700.9313	22.22	0.067
1/20/96	9:48:56	715.9313	22.22	0.067
1/20/96	10:03:56	730.9313	22.22	0.067
1/20/96	10:18:56	745.9313	22.22	0.065

IN_SITU INC.	TROLL				
Serial number:	751				
Unit name:	SWL0042				
Report generated:	4/4/96	9:39:21			
Report from file:	S:\AXC\DELAMO\PUMPTEST\SWL0042\SWL42R.BIN				
Test name:	SWL0042 Recovery				
Test defined on:	3/18/96	14:35:13			
Test started on:	3/20/96	21:51:01			
Test stopped on:	3/22/96	11:53:57			
Test extracted on:	3/22/96	11:54:37			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0	Minutes.				
Number of data samples:	292				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:					
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	7.088	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	2.613	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
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3/20/96	21:51:01	0	22.1	7.088	
3/20/96	21:51:01	0.005	22.11	7.083	
3/20/96	21:51:01	0.01	22.11	7.076	
3/20/96	21:51:01	0.015	22.11	7.072	
3/20/96	21:51:02	0.02	22.11	7.072	
3/20/96	21:51:02	0.025	22.13	7.072	
3/20/96	21:51:02	0.03	22.13	7.053	
3/20/96	21:51:03	0.035	22.13	7.053	
3/20/96	21:51:03	0.04	22.13	7.044	
3/20/96	21:51:03	0.045	22.15	7.04	
3/20/96	21:51:04	0.05	22.14	7.035	
3/20/96	21:51:04	0.055	22.14	7.03	
3/20/96	21:51:04	0.06	22.14	7.021	
3/20/96	21:51:04	0.065	22.14	7.016	
3/20/96	21:51:05	0.07	22.15	7.014	
3/20/96	21:51:05	0.075	22.15	7.005	
3/20/96	21:51:05	0.08	22.15	7	

SWL0042 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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3/20/96	21:51:06	0.085	22.16	6.996	
3/20/96	21:51:06	0.09	22.16	6.991	
3/20/96	21:51:06	0.095	22.16	6.987	
3/20/96	21:51:07	0.1	22.16	6.977	
3/20/96	21:51:07	0.1058	22.17	6.973	
3/20/96	21:51:07	0.112	22.17	6.963	
3/20/96	21:51:08	0.1185	22.18	6.959	
3/20/96	21:51:08	0.1255	22.18	6.952	
3/20/96	21:51:08	0.1328	22.18	6.943	
3/20/96	21:51:09	0.1407	22.19	6.933	
3/20/96	21:51:09	0.149	22.2	6.915	
3/20/96	21:51:10	0.1578	22.2	6.91	
3/20/96	21:51:11	0.1672	22.2	6.906	
3/20/96	21:51:11	0.177	22.21	6.892	
3/20/96	21:51:12	0.1875	22.21	6.885	
3/20/96	21:51:12	0.1985	22.21	6.876	
3/20/96	21:51:13	0.2102	22.21	6.862	
3/20/96	21:51:14	0.2227	22.21	6.853	
3/20/96	21:51:15	0.2358	22.21	6.843	
3/20/96	21:51:15	0.2498	22.21	6.83	
3/20/96	21:51:16	0.2647	22.21	6.816	
3/20/96	21:51:17	0.2803	22.21	6.804	
3/20/96	21:51:18	0.297	22.21	6.795	
3/20/96	21:51:19	0.3147	22.21	6.781	
3/20/96	21:51:21	0.3333	22.21	6.767	
3/20/96	21:51:22	0.3532	22.21	6.749	
3/20/96	21:51:23	0.3742	22.21	6.735	
3/20/96	21:51:24	0.3963	22.21	6.719	
3/20/96	21:51:26	0.4198	22.21	6.705	
3/20/96	21:51:27	0.4447	22.22	6.691	
3/20/96	21:51:29	0.4697	22.22	6.673	
3/20/96	21:51:30	0.4963	22.22	6.654	
3/20/96	21:51:32	0.5247	22.22	6.638	
3/20/96	21:51:34	0.5547	22.22	6.62	
3/20/96	21:51:36	0.5863	22.22	6.597	
3/20/96	21:51:38	0.6213	22.22	6.578	
3/20/96	21:51:40	0.658	22.22	6.555	
3/20/96	21:51:42	0.6963	22.22	6.534	
3/20/96	21:51:45	0.738	22.22	6.507	
3/20/96	21:51:47	0.7813	22.22	6.479	
3/20/96	21:51:50	0.828	22.22	6.454	
3/20/96	21:51:53	0.8763	22.21	6.426	
3/20/96	21:51:56	0.928	22.21	6.394	
3/20/96	21:51:59	0.983	22.22	6.364	
3/20/96	21:52:03	1.0413	22.22	6.331	
3/20/96	21:52:07	1.103	22.22	6.295	
3/20/96	21:52:11	1.168	22.21	6.265	
3/20/96	21:52:15	1.238	22.22	6.223	
3/20/96	21:52:19	1.3113	22.22	6.184	
3/20/96	21:52:24	1.3897	22.22	6.142	

SWL0042 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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3/20/96	21:52:29	1.473	22.22	6.094	
3/20/96	21:52:34	1.5613	22.21	6.048	
3/20/96	21:52:40	1.6547	22.21	5.999	
3/20/96	21:52:46	1.753	22.22	5.949	
3/20/96	21:52:52	1.858	22.21	5.9	
3/20/96	21:52:59	1.968	22.21	5.847	
3/20/96	21:53:06	2.0847	22.21	5.787	
3/20/96	21:53:13	2.2097	22.21	5.725	
3/20/96	21:53:21	2.3413	22.21	5.662	
3/20/96	21:53:29	2.4813	22.21	5.598	
3/20/96	21:53:38	2.6297	22.22	5.531	
3/20/96	21:53:48	2.7863	22.22	5.459	
3/20/96	21:53:58	2.953	22.22	5.393	
3/20/96	21:54:08	3.1297	22.22	5.316	
3/20/96	21:54:19	3.3163	22.22	5.245	
3/20/96	21:54:31	3.5147	22.22	5.16	
3/20/96	21:54:44	3.7247	22.22	5.079	
3/20/96	21:54:57	3.9463	22.22	4.991	
3/20/96	21:55:11	4.1813	22.22	4.906	
3/20/96	21:55:26	4.4297	22.22	4.825	
3/20/96	21:55:42	4.693	22.22	4.731	
3/20/96	21:55:59	4.973	22.23	4.643	
3/20/96	21:56:17	5.2697	22.25	4.558	
3/20/96	21:56:35	5.583	22.24	4.458	
3/20/96	21:56:55	5.9147	22.24	4.364	
3/20/96	21:57:16	6.2663	22.23	4.26	
3/20/96	21:57:39	6.6397	22.23	4.156	
3/20/96	21:58:03	7.0347	22.23	4.048	
3/20/96	21:58:28	7.453	22.22	3.939	
3/20/96	21:58:54	7.8963	22.22	3.829	
3/20/96	21:59:22	8.3663	22.21	3.72	
3/20/96	21:59:52	8.8647	22.21	3.607	
3/20/96	22:00:24	9.3913	22.21	3.499	
3/20/96	22:00:57	9.9497	22.2	3.388	
3/20/96	22:01:33	10.5413	22.26	3.28	
3/20/96	22:02:11	11.168	22.23	3.167	
3/20/96	22:02:50	11.8313	22.22	3.058	
3/20/96	22:03:33	12.5347	22.21	2.952	
3/20/96	22:04:17	13.2797	22.21	2.844	
3/20/96	22:05:05	14.0697	22.19	2.735	
3/20/96	22:05:55	14.9063	22.19	2.636	
3/20/96	22:06:48	15.7913	22.18	2.532	
3/20/96	22:07:44	16.7297	22.18	2.429	
3/20/96	22:08:44	17.723	22.17	2.329	
3/20/96	22:09:47	18.7763	22.16	2.23	
3/20/96	22:10:54	19.8913	22.16	2.131	
3/20/96	22:12:05	21.073	22.15	2.046	
3/20/96	22:13:20	22.3247	22.14	1.956	
3/20/96	22:14:39	23.6497	22.13	1.87	
3/20/96	22:16:04	25.0547	22.13	1.785	

SWL0042 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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3/20/96	22:17:33	26.543	22.13	1.7	
3/20/96	22:19:08	28.118	22.13	1.623	
3/20/96	22:20:48	29.7863	22.13	1.547	
3/20/96	22:22:34	31.5547	22.13	1.474	
3/20/96	22:24:26	33.428	22.12	1.407	
3/20/96	22:26:25	35.4113	22.12	1.344	
3/20/96	22:28:31	37.513	22.12	1.284	
3/20/96	22:30:45	39.7397	22.12	1.227	
3/20/96	22:33:06	42.098	22.11	1.169	
3/20/96	22:35:36	44.5963	22.11	1.118	
3/20/96	22:38:15	47.243	22.11	1.07	
3/20/96	22:41:03	50.0463	22.11	1.019	
3/20/96	22:44:01	53.0147	22.12	0.975	
3/20/96	22:47:10	56.1597	22.11	0.934	
3/20/96	22:50:30	59.4913	22.12	0.89	
3/20/96	22:54:02	63.0197	22.11	0.853	
3/20/96	22:57:46	66.758	22.12	0.818	
3/20/96	23:01:44	70.718	22.11	0.786	
3/20/96	23:05:55	74.9113	22.12	0.749	
3/20/96	23:10:22	79.3547	22.12	0.719	
3/20/96	23:15:04	84.0613	22.12	0.687	
3/20/96	23:20:03	89.0463	22.12	0.65	
3/20/96	23:25:20	94.3263	22.12	0.625	
3/20/96	23:30:56	99.9197	22.12	0.597	
3/20/96	23:36:51	105.8447	22.13	0.569	
3/20/96	23:43:08	112.1197	22.13	0.539	
3/20/96	23:49:47	118.768	22.13	0.516	
3/20/96	23:56:49	125.8097	22.13	0.489	
3/21/96	0:04:17	133.268	22.13	0.463	
3/21/96	0:12:11	141.168	22.13	0.445	
3/21/96	0:20:33	149.5363	22.13	0.422	
3/21/96	0:29:25	158.4013	22.13	0.394	
3/21/96	0:38:48	167.7913	22.13	0.373	
3/21/96	0:48:45	177.738	22.13	0.35	
3/21/96	0:59:17	188.2747	22.13	0.327	
3/21/96	1:10:27	199.4347	22.13	0.304	
3/21/96	1:22:16	211.2563	22.14	0.288	
3/21/96	1:34:47	223.778	22.14	0.265	
3/21/96	1:48:03	237.043	22.14	0.237	
3/21/96	2:02:06	251.093	22.14	0.214	
3/21/96	2:16:59	265.9763	22.14	0.193	
3/21/96	2:31:59	280.9763	22.14	0.175	
3/21/96	2:46:59	295.9763	22.14	0.156	
3/21/96	3:01:59	310.9763	22.14	0.143	
3/21/96	3:16:59	325.9763	22.14	0.133	
3/21/96	3:31:59	340.9763	22.14	0.124	
3/21/96	3:46:59	355.9763	22.14	0.115	
3/21/96	4:01:59	370.9763	22.14	0.103	
3/21/96	4:16:59	385.9763	22.14	0.094	
3/21/96	4:31:59	400.9763	22.14	0.09	

SWL0042 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
3/21/96	4:46:59	415.9763	22.14	0.076	
3/21/96	5:01:59	430.9763	22.14	0.071	
3/21/96	5:16:59	445.9763	22.14	0.071	
3/21/96	5:31:59	460.9763	22.14	0.066	
3/21/96	5:46:59	475.9763	22.14	0.062	
3/21/96	6:01:59	490.9763	22.14	0.062	
3/21/96	6:16:59	505.9763	22.15	0.062	
3/21/96	6:31:59	520.9763	22.14	0.062	
3/21/96	6:46:59	535.9763	22.14	0.062	
3/21/96	7:01:59	550.9763	22.14	0.062	
3/21/96	7:16:59	565.9763	22.15	0.066	
3/21/96	7:31:59	580.9763	22.15	0.062	
3/21/96	7:46:59	595.9763	22.14	0.062	
3/21/96	8:01:59	610.9763	22.14	0.057	
3/21/96	8:16:59	625.9763	22.15	0.057	
3/21/96	8:31:59	640.9763	22.14	0.062	
3/21/96	8:46:59	655.9763	22.14	0.057	
3/21/96	9:01:59	670.9763	22.14	0.057	
3/21/96	9:16:59	685.9763	22.14	0.048	
3/21/96	9:31:59	700.9763	22.14	0.048	
3/21/96	9:46:59	715.9763	22.15	0.048	
3/21/96	10:01:59	730.9763	22.14	0.043	
3/21/96	10:16:59	745.9763	22.15	0.048	
3/21/96	10:31:59	760.9763	22.14	0.043	
3/21/96	10:46:59	775.9763	22.14	0.039	
3/21/96	11:01:59	790.9763	22.14	0.039	
3/21/96	11:16:59	805.9763	22.14	0.03	
3/21/96	11:31:59	820.9763	22.14	0.025	
3/21/96	11:46:59	835.9763	22.15	0.018	
3/21/96	12:01:59	850.9763	22.14	0.009	
3/21/96	12:16:59	865.9763	22.15	0	
3/21/96	12:31:59	880.9763	22.15	-0.005	
3/21/96	12:46:59	895.9763	22.14	-0.014	
3/21/96	13:01:59	910.9763	22.14	-0.019	
3/21/96	13:16:59	925.9763	22.14	-0.028	
3/21/96	13:31:59	940.9763	22.15	-0.033	
3/21/96	13:46:59	955.9763	22.15	-0.037	
3/21/96	14:01:59	970.9763	22.15	-0.037	
3/21/96	14:16:59	985.9763	22.14	-0.037	
3/21/96	14:31:59	1000.976	22.14	-0.037	
3/21/96	14:46:59	1015.976	22.14	-0.037	
3/21/96	15:01:59	1030.976	22.14	-0.037	
3/21/96	15:16:59	1045.976	22.14	-0.037	
3/21/96	15:31:59	1060.976	22.14	-0.042	
3/21/96	15:46:59	1075.976	22.14	-0.042	
3/21/96	16:01:59	1090.976	22.15	-0.042	
3/21/96	16:16:59	1105.976	22.14	-0.042	
3/21/96	16:31:59	1120.976	22.14	-0.037	
3/21/96	16:46:59	1135.976	22.14	-0.047	
3/21/96	17:01:59	1150.976	22.15	-0.047	

SWL0042 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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3/21/96	17:16:59	1165.976	22.14	-0.051	
3/21/96	17:31:59	1180.976	22.14	-0.056	
3/21/96	17:46:59	1195.976	22.15	-0.051	
3/21/96	18:01:59	1210.976	22.14	-0.047	
3/21/96	18:16:59	1225.976	22.14	-0.047	
3/21/96	18:31:59	1240.976	22.14	-0.042	
3/21/96	18:46:59	1255.976	22.14	-0.042	
3/21/96	19:01:59	1270.976	22.14	-0.037	
3/21/96	19:16:59	1285.976	22.15	-0.033	
3/21/96	19:31:59	1300.976	22.14	-0.028	
3/21/96	19:46:59	1315.976	22.15	-0.028	
3/21/96	20:01:59	1330.976	22.14	-0.023	
3/21/96	20:16:59	1345.976	22.15	-0.023	
3/21/96	20:31:59	1360.976	22.14	-0.019	
3/21/96	20:46:59	1375.976	22.14	-0.019	
3/21/96	21:01:59	1390.976	22.15	-0.014	
3/21/96	21:16:59	1405.976	22.14	-0.014	
3/21/96	21:31:59	1420.976	22.14	-0.014	
3/21/96	21:46:59	1435.976	22.14	-0.014	
3/21/96	22:01:59	1450.976	22.15	-0.014	

SWL0044 Falling Head Slug Test Data

IN_SITU INC.	TROLL				
Serial number:	266				
Unit name:	SWL0044				
Report generated:	3/27/96	18:55:16			
Report from file:	C:\WINSITU\PUMPTE~1\SWL0044\SWL44FH.BIN				
Test name:	SWL44Fallinghead				
Test defined on:	3/25/96	15:23:03			
Test started on:	3/25/96	15:32:47			
Test stopped on:	3/25/96	18:04:33			
Test extracted on:	3/25/96	18:07:21			
Data gathered using Logarithmic testing					
Maximum time between data points: 1.0000	Minutes.				
Number of data samples:	245				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoard Pressure				
Specific gravity:	1				
Mode:	Surface				
User-defined reference:	53.96	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	12.966	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	Feet of Change
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3/25/96	15:32:47	0	21.42	53.96	0
3/25/96	15:32:47	0.005	21.43	53.988	0.028
3/25/96	15:32:47	0.01	21.44	53.965	0.005
3/25/96	15:32:47	0.015	21.44	53.946	-0.014
3/25/96	15:32:48	0.02	21.45	55.471	1.511
3/25/96	15:32:48	0.025	21.45	55.533	1.573
3/25/96	15:32:48	0.03	21.45	55.745	1.785
3/25/96	15:32:49	0.035	21.46	56.299	2.339
3/25/96	15:32:49	0.04	21.46	56.866	2.906
3/25/96	15:32:49	0.045	21.46	57.302	3.342
3/25/96	15:32:50	0.05	21.46	57.489	3.529
3/25/96	15:32:50	0.055	21.46	57.36	3.4
3/25/96	15:32:50	0.06	21.46	57.332	3.372
3/25/96	15:32:50	0.065	21.46	56.899	2.939
3/25/96	15:32:51	0.07	21.46	56.793	2.833
3/25/96	15:32:51	0.075	21.48	57.438	3.478

SWL0044 Falling Head Slug Test Data

Date	Time	ET (min)	Celsius	Feet H2O	Feet of Change
3/25/96	15:32:51	0.08	21.48	57.6	3.64
3/25/96	15:32:52	0.085	21.48	52.924	-1.036
3/25/96	15:32:52	0.09	21.48	57.242	3.282
3/25/96	15:32:52	0.095	21.48	55.817	1.857
3/25/96	15:32:53	0.1	21.48	54.357	0.397
3/25/96	15:32:53	0.1058	21.49	56.467	2.507
3/25/96	15:32:53	0.112	21.49	54.857	0.897
3/25/96	15:32:54	0.1185	21.49	55.946	1.986
3/25/96	15:32:54	0.1255	21.49	55.199	1.239
3/25/96	15:32:54	0.1328	21.5	55.755	1.795
3/25/96	15:32:55	0.1407	21.5	55.332	1.372
3/25/96	15:32:55	0.149	21.51	55.429	1.469
3/25/96	15:32:56	0.1578	21.52	55.524	1.564
3/25/96	15:32:57	0.1672	21.52	55.51	1.55
3/25/96	15:32:57	0.177	21.52	55.473	1.513
3/25/96	15:32:58	0.1875	21.52	55.473	1.513
3/25/96	15:32:58	0.1985	21.52	55.487	1.527
3/25/96	15:32:59	0.2102	21.51	55.487	1.527
3/25/96	15:33:00	0.2227	21.52	55.482	1.522
3/25/96	15:33:01	0.2358	21.52	55.478	1.518
3/25/96	15:33:01	0.2498	21.52	55.478	1.518
3/25/96	15:33:02	0.2647	21.52	55.473	1.513
3/25/96	15:33:03	0.2803	21.52	55.473	1.513
3/25/96	15:33:04	0.297	21.52	55.469	1.509
3/25/96	15:33:05	0.3147	21.52	55.473	1.513
3/25/96	15:33:07	0.3333	21.52	55.469	1.509
3/25/96	15:33:08	0.3532	21.52	55.462	1.502
3/25/96	15:33:09	0.3742	21.5	55.462	1.502
3/25/96	15:33:10	0.3963	21.52	55.459	1.499
3/25/96	15:33:12	0.4198	21.53	55.455	1.495
3/25/96	15:33:13	0.4447	21.52	55.462	1.502
3/25/96	15:33:15	0.4697	21.53	55.452	1.492
3/25/96	15:33:16	0.4963	21.53	55.452	1.492
3/25/96	15:33:18	0.5247	21.53	55.452	1.492
3/25/96	15:33:20	0.5547	21.55	55.439	1.479
3/25/96	15:33:22	0.5863	21.53	55.443	1.483
3/25/96	15:33:24	0.6213	21.53	55.439	1.479
3/25/96	15:33:26	0.658	21.53	55.439	1.479
3/25/96	15:33:28	0.6963	21.53	55.439	1.479
3/25/96	15:33:31	0.738	21.53	55.434	1.474
3/25/96	15:33:33	0.7813	21.53	55.434	1.474
3/25/96	15:33:36	0.828	21.53	55.429	1.469
3/25/96	15:33:39	0.8763	21.53	55.425	1.465
3/25/96	15:33:42	0.928	21.52	55.42	1.46
3/25/96	15:33:45	0.983	21.53	55.411	1.451
3/25/96	15:33:49	1.0413	21.56	55.406	1.446
3/25/96	15:33:53	1.103	21.55	55.397	1.437
3/25/96	15:33:57	1.168	21.54	55.397	1.437
3/25/96	15:34:01	1.238	21.53	55.392	1.432

SWL0044 Falling Head Slug Test Data

Date	Time	ET (min)	Celsius	Feet H2O	Feet of Change
3/25/96	15:34:05	1.3113	21.53	55.383	1.423
3/25/96	15:34:10	1.3897	21.53	55.379	1.419
3/25/96	15:34:15	1.473	21.52	55.369	1.409
3/25/96	15:34:20	1.5613	21.52	55.365	1.405
3/25/96	15:34:26	1.6547	21.52	55.36	1.4
3/25/96	15:34:32	1.753	21.51	55.351	1.391
3/25/96	15:34:38	1.858	21.51	55.346	1.386
3/25/96	15:34:45	1.968	21.5	55.332	1.372
3/25/96	15:34:52	2.0847	21.5	55.328	1.368
3/25/96	15:34:59	2.2097	21.49	55.319	1.359
3/25/96	15:35:07	2.3413	21.49	55.309	1.349
3/25/96	15:35:15	2.4813	21.48	55.3	1.34
3/25/96	15:35:24	2.6297	21.48	55.291	1.331
3/25/96	15:35:34	2.7863	21.47	55.277	1.317
3/25/96	15:35:44	2.953	21.52	55.268	1.308
3/25/96	15:35:54	3.1297	21.48	55.254	1.294
3/25/96	15:36:05	3.3163	21.48	55.245	1.285
3/25/96	15:36:17	3.5147	21.47	55.236	1.276
3/25/96	15:36:30	3.7247	21.46	55.222	1.262
3/25/96	15:36:43	3.9463	21.46	55.213	1.253
3/25/96	15:36:57	4.1813	21.45	55.201	1.241
3/25/96	15:37:12	4.4297	21.43	55.187	1.227
3/25/96	15:37:28	4.693	21.43	55.178	1.218
3/25/96	15:37:45	4.973	21.43	55.164	1.204
3/25/96	15:38:03	5.2697	21.42	55.15	1.19
3/25/96	15:38:21	5.583	21.41	55.141	1.181
3/25/96	15:38:41	5.9147	21.4	55.132	1.172
3/25/96	15:39:02	6.2663	21.4	55.118	1.158
3/25/96	15:39:25	6.6397	21.38	55.109	1.149
3/25/96	15:39:49	7.0347	21.41	55.09	1.13
3/25/96	15:40:14	7.453	21.38	55.081	1.121
3/25/96	15:40:40	7.8963	21.37	55.067	1.107
3/25/96	15:41:08	8.3663	21.37	55.053	1.093
3/25/96	15:41:38	8.8647	21.35	55.04	1.08
3/25/96	15:42:10	9.3913	21.34	55.026	1.066
3/25/96	15:42:43	9.9497	21.34	55.007	1.047
3/25/96	15:43:19	10.5413	21.32	54.993	1.033
3/25/96	15:43:57	11.168	21.32	54.977	1.017
3/25/96	15:44:36	11.8313	21.31	54.959	0.999
3/25/96	15:45:19	12.5347	21.32	54.945	0.985
3/25/96	15:46:03	13.2797	21.31	54.926	0.966
3/25/96	15:46:51	14.0697	21.29	54.908	0.948
3/25/96	15:47:41	14.9063	21.29	54.885	0.925
3/25/96	15:48:34	15.7913	21.29	54.867	0.907
3/25/96	15:49:30	16.7297	21.27	54.843	0.883
3/25/96	15:50:30	17.723	21.27	54.825	0.865
3/25/96	15:51:30	18.723	21.27	54.802	0.842
3/25/96	15:52:30	19.723	21.26	54.783	0.823
3/25/96	15:53:30	20.723	21.27	54.76	0.8

SWL0044 Falling Head Slug Test Data

Date	Time	ET (min)	Celsius	Feet H2O	Feet of Change
3/25/96	15:54:30	21.723	21.27	54.747	0.787
3/25/96	15:55:30	22.723	21.26	54.728	0.768
3/25/96	15:56:30	23.723	21.26	54.717	0.757
3/25/96	15:57:30	24.723	21.28	54.694	0.734
3/25/96	15:58:30	25.723	21.27	54.684	0.724
3/25/96	15:59:30	26.723	21.27	54.67	0.71
3/25/96	16:00:30	27.723	21.26	54.652	0.692
3/25/96	16:01:30	28.723	21.26	54.634	0.674
3/25/96	16:02:30	29.723	21.26	54.624	0.664
3/25/96	16:03:30	30.723	21.26	54.61	0.65
3/25/96	16:04:30	31.723	21.28	54.597	0.637
3/25/96	16:05:30	32.723	21.26	54.583	0.623
3/25/96	16:06:30	33.723	21.25	54.569	0.609
3/25/96	16:07:30	34.723	21.25	54.56	0.6
3/25/96	16:08:30	35.723	21.24	54.546	0.586
3/25/96	16:09:30	36.723	21.24	54.537	0.577
3/25/96	16:10:30	37.723	21.24	54.523	0.563
3/25/96	16:11:30	38.723	21.24	54.509	0.549
3/25/96	16:12:30	39.723	21.24	54.504	0.544
3/25/96	16:13:30	40.723	21.24	54.491	0.531
3/25/96	16:14:30	41.723	21.24	54.477	0.517
3/25/96	16:15:30	42.723	21.23	54.467	0.507
3/25/96	16:16:30	43.723	21.24	54.463	0.503
3/25/96	16:17:30	44.723	21.23	54.456	0.496
3/25/96	16:18:30	45.723	21.23	54.447	0.487
3/25/96	16:19:30	46.723	21.22	54.437	0.477
3/25/96	16:20:30	47.723	21.22	54.428	0.468
3/25/96	16:21:30	48.723	21.23	54.419	0.459
3/25/96	16:22:30	49.723	21.22	54.41	0.45
3/25/96	16:23:30	50.723	21.22	54.401	0.441
3/25/96	16:24:30	51.723	21.22	54.396	0.436
3/25/96	16:25:30	52.723	21.24	54.387	0.427
3/25/96	16:26:30	53.723	21.24	54.378	0.418
3/25/96	16:27:30	54.723	21.26	54.373	0.413
3/25/96	16:28:30	55.723	21.25	54.364	0.404
3/25/96	16:29:30	56.723	21.24	54.359	0.399
3/25/96	16:30:30	57.723	21.24	54.354	0.394
3/25/96	16:31:30	58.723	21.24	54.345	0.385
3/25/96	16:32:30	59.723	21.26	54.336	0.376
3/25/96	16:33:30	60.723	21.25	54.331	0.371
3/25/96	16:34:30	61.723	21.25	54.327	0.367
3/25/96	16:35:30	62.723	21.24	54.318	0.358
3/25/96	16:36:30	63.723	21.24	54.313	0.353
3/25/96	16:37:30	64.723	21.25	54.304	0.344
3/25/96	16:38:30	65.723	21.24	54.299	0.339
3/25/96	16:39:30	66.723	21.24	54.299	0.339
3/25/96	16:40:30	67.723	21.24	54.285	0.325
3/25/96	16:41:30	68.723	21.24	54.285	0.325
3/25/96	16:42:30	69.723	21.24	54.281	0.321

SWL0044 Falling Head Slug Test Data

Date	Time	ET (min)	Celsius	Feet H2O	Feet of Change
3/25/96	16:43:30	70.723	21.23	54.276	0.316
3/25/96	16:44:30	71.723	21.22	54.271	0.311
3/25/96	16:45:30	72.723	21.22	54.267	0.307
3/25/96	16:46:30	73.723	21.22	54.262	0.302
3/25/96	16:47:30	74.723	21.22	54.258	0.298
3/25/96	16:48:30	75.723	21.22	54.248	0.288
3/25/96	16:49:30	76.723	21.22	54.244	0.284
3/25/96	16:50:30	77.723	21.22	54.239	0.279
3/25/96	16:51:30	78.723	21.22	54.234	0.274
3/25/96	16:52:30	79.723	21.22	54.23	0.27
3/25/96	16:53:30	80.723	21.22	54.225	0.265
3/25/96	16:54:30	81.723	21.22	54.225	0.265
3/25/96	16:55:30	82.723	21.22	54.225	0.265
3/25/96	16:56:30	83.723	21.22	54.216	0.256
3/25/96	16:57:30	84.723	21.22	54.211	0.251
3/25/96	16:58:30	85.723	21.22	54.207	0.247
3/25/96	16:59:30	86.723	21.22	54.202	0.242
3/25/96	17:00:30	87.723	21.22	54.198	0.238
3/25/96	17:01:30	88.723	21.22	54.193	0.233
3/25/96	17:02:30	89.723	21.22	54.193	0.233
3/25/96	17:03:30	90.723	21.22	54.188	0.228
3/25/96	17:04:30	91.723	21.24	54.188	0.228
3/25/96	17:05:30	92.723	21.23	54.184	0.224
3/25/96	17:06:30	93.723	21.24	54.184	0.224
3/25/96	17:07:30	94.723	21.23	54.179	0.219
3/25/96	17:08:30	95.723	21.26	54.17	0.21
3/25/96	17:09:30	96.723	21.24	54.175	0.215
3/25/96	17:10:30	97.723	21.24	54.172	0.212
3/25/96	17:11:30	98.723	21.24	54.168	0.208
3/25/96	17:12:30	99.723	21.23	54.168	0.208
3/25/96	17:13:30	100.723	21.23	54.163	0.203
3/25/96	17:14:30	101.723	21.23	54.158	0.198
3/25/96	17:15:30	102.723	21.22	54.158	0.198
3/25/96	17:16:30	103.723	21.22	54.158	0.198
3/25/96	17:17:30	104.723	21.22	54.154	0.194
3/25/96	17:18:30	105.723	21.25	54.154	0.194
3/25/96	17:19:30	106.723	21.24	54.149	0.189
3/25/96	17:20:30	107.723	21.23	54.145	0.185
3/25/96	17:21:30	108.723	21.24	54.145	0.185
3/25/96	17:22:30	109.723	21.22	54.14	0.18
3/25/96	17:23:30	110.723	21.22	54.14	0.18
3/25/96	17:24:30	111.723	21.22	54.14	0.18
3/25/96	17:25:30	112.723	21.22	54.14	0.18
3/25/96	17:26:30	113.723	21.22	54.135	0.175
3/25/96	17:27:30	114.723	21.21	54.131	0.171
3/25/96	17:28:30	115.723	21.25	54.131	0.171
3/25/96	17:29:30	116.723	21.24	54.131	0.171
3/25/96	17:30:30	117.723	21.22	54.126	0.166
3/25/96	17:31:30	118.723	21.22	54.126	0.166

SWL0044 Falling Head Slug Test Data

Date	Time	ET (min)	Celsius	Feet H2O	Feet of Change
3/25/96	17:32:30	119.723	21.22	54.121	0.161
3/25/96	17:33:30	120.723	21.22	54.126	0.166
3/25/96	17:34:30	121.723	21.22	54.121	0.161
3/25/96	17:35:30	122.723	21.25	54.117	0.157
3/25/96	17:36:30	123.723	21.23	54.117	0.157
3/25/96	17:37:30	124.723	21.22	54.117	0.157
3/25/96	17:38:30	125.723	21.26	54.112	0.152
3/25/96	17:39:30	126.723	21.25	54.112	0.152
3/25/96	17:40:30	127.723	21.24	54.108	0.148
3/25/96	17:41:30	128.723	21.29	54.103	0.143
3/25/96	17:42:30	129.723	21.25	54.108	0.148
3/25/96	17:43:30	130.723	21.25	54.103	0.143
3/25/96	17:44:30	131.723	21.23	54.103	0.143
3/25/96	17:45:30	132.723	21.24	54.103	0.143
3/25/96	17:46:30	133.723	21.24	54.103	0.143
3/25/96	17:47:30	134.723	21.23	54.103	0.143
3/25/96	17:48:30	135.723	21.23	54.098	0.138
3/25/96	17:49:30	136.723	21.22	54.098	0.138
3/25/96	17:50:30	137.723	21.22	54.098	0.138
3/25/96	17:51:30	138.723	21.22	54.098	0.138
3/25/96	17:52:30	139.723	21.22	54.094	0.134
3/25/96	17:53:30	140.723	21.24	54.094	0.134
3/25/96	17:54:30	141.723	21.23	54.089	0.129
3/25/96	17:55:30	142.723	21.22	54.089	0.129
3/25/96	17:56:30	143.723	21.22	54.089	0.129
3/25/96	17:57:30	144.723	21.22	54.085	0.125
3/25/96	17:58:30	145.723	21.22	54.085	0.125
3/25/96	17:59:30	146.723	21.22	54.085	0.125
3/25/96	18:00:30	147.723	21.21	54.085	0.125
3/25/96	18:01:30	148.723	21.22	54.085	0.125
3/25/96	18:02:30	149.723	21.22	54.085	0.125
3/25/96	18:03:30	150.723	21.22	54.085	0.125
3/25/96	18:04:30	151.723	21.22	54.08	0.12

SWL0046 Recovery Data

	SE1000C	
	Environmental	logger
0	1/1/96 0:22	
Unit#	90000	test 1
Setups:	INPUT 1	INPUT 2
---	---	---
Type	Level (F)	Level (F)
Mode	Surface	TOC
I.D.	1	2
Reference	0	0
Linearity	0.04	0.22
Scale factor	9.98	15.56
Offset	-0.01	0.23
Delay mSEC	50	50
Step 0	1/18/96 22:05	0:05
Elapsed Time	INPUT 1 (Residual Drawdown in Feet of H2O)	INPUT 2
---	---	---
0	6.582	-0.09
0.0167	6.567	-0.086
0.0333	6.554	-0.09
0.05	6.538	-0.086
0.0667	6.522	-0.086
0.0833	6.507	-0.086
0.1	6.494	-0.086
0.1167	6.478	-0.086
0.1333	6.466	-0.086
0.15	6.45	-0.086
0.1667	6.437	-0.086
0.1833	6.425	-0.086
0.2	6.412	-0.086
0.2167	6.399	-0.086
0.2333	6.387	-0.086
0.25	6.377	-0.086
0.2667	6.365	-0.086
0.2833	6.355	-0.086
0.3	6.346	-0.086
0.3167	6.336	-0.086
0.3333	6.324	-0.086
0.35	6.314	-0.08
0.3667	6.308	-0.086
0.3833	6.298	-0.086
0.4	6.286	-0.08
0.4167	6.276	-0.086

SWL0046 Recovery Data

Elapsed Time	INPUT 1 (Residual Drawdown in Feet of H2O)	INPUT 2
0.4333	6.27	-0.086
0.45	6.264	-0.086
0.4667	6.251	-0.086
0.4833	6.242	-0.086
0.5	6.235	-0.08
0.5167	6.223	-0.086
0.5333	6.216	-0.086
0.55	6.207	-0.08
0.5667	6.197	-0.086
0.7667	6.096	-0.086
0.9667	5.983	-0.086
1.1667	5.869	-0.086
1.3667	5.759	-0.08
1.5667	5.654	-0.08
1.7667	5.547	-0.08
1.9667	5.443	-0.08
2.1667	5.329	-0.08
2.3667	5.253	-0.08
2.5667	5.168	-0.08
2.7667	5.067	-0.08
2.9667	4.956	-0.08
3.1667	4.836	-0.08
3.3667	4.716	-0.08
3.5667	4.6	-0.08
3.7667	4.489	-0.08
3.9667	4.382	-0.08
4.1667	4.281	-0.08
4.3667	4.183	-0.08
4.5667	4.085	-0.08
4.7667	3.996	-0.08
4.9667	3.911	-0.08
5.1667	3.829	-0.08
5.3667	3.75	-0.08
5.5667	3.677	-0.08
5.7667	3.611	-0.08
5.9667	3.551	-0.08
6.1667	3.494	-0.08
6.3667	3.443	-0.08
6.5667	3.396	-0.075
6.7667	3.352	-0.08
6.9667	3.311	-0.075
7.1667	3.27	-0.075
7.3667	3.232	-0.075
7.5667	3.197	-0.075
7.7667	3.159	-0.075
7.9667	3.121	-0.075
8.1667	3.086	-0.075
8.3667	3.051	-0.075

SWL0046 Recovery Data

Elapsed Time	INPUT 1 (Residual Drawdown in Feet of H2O)	INPUT 2
8.5667	3.017	-0.075
8.7667	2.982	-0.075
8.9667	2.95	-0.075
9.1667	2.916	-0.075
9.3667	2.884	-0.075
9.5667	2.852	-0.075
11.5667	2.552	-0.08
13.5667	2.293	-0.08
15.5667	2.116	-0.075
17.5667	1.967	-0.08
19.5667	1.835	-0.08
21.5667	1.721	-0.086
23.5667	1.623	-0.086
25.5667	1.541	-0.08
27.5667	1.461	-0.086
29.5667	1.398	-0.086
31.5667	1.335	-0.086
33.5667	1.281	-0.086
35.5667	1.231	-0.08
37.5667	1.186	-0.08
39.5667	1.148	-0.08
41.5667	1.11	-0.08
43.5667	1.076	-0.08
45.5667	1.041	-0.08
47.5667	1.012	-0.08
49.5667	0.981	-0.08
51.5667	0.952	-0.08
53.5667	0.927	-0.08
55.5667	0.905	-0.08
57.5667	0.88	-0.08
59.5667	0.857	-0.086
61.5667	0.838	-0.08
63.5667	0.819	-0.08
65.5667	0.8	-0.08
67.5667	0.782	-0.08
69.5667	0.766	-0.086
71.5667	0.75	-0.08
73.5667	0.734	-0.08
75.5667	0.721	-0.08
77.5667	0.706	-0.086
79.5667	0.693	-0.08
81.5667	0.68	-0.08
83.5667	0.664	-0.08
85.5667	0.655	-0.08
87.5667	0.642	-0.08
89.5667	0.63	-0.08
91.5667	0.617	-0.075
93.5667	0.608	-0.075

SWL0046 Recovery Data

Elapsed Time	INPUT 1 (Residual Drawdown in Feet of H2O)	INPUT 2
95.5667	0.598	-0.075
97.5667	0.585	-0.075
99.5667	0.576	-0.075
114.5667	0.519	-0.08
129.5667	0.462	-0.07
144.5667	0.418	-0.07
159.5667	0.383	-0.07
174.5667	0.351	-0.065
189.5667	0.32	-0.06
204.5667	0.291	-0.06
219.5667	0.269	-0.06
234.5667	0.247	-0.055
249.5667	0.228	-0.055
264.5667	0.215	-0.055
279.5667	0.196	-0.05
294.5667	0.177	-0.045
309.5667	0.162	-0.045
324.5667	0.152	-0.05
339.5667	0.136	-0.03
354.5667	0.12	-0.03
369.5667	0.111	-0.03
384.5667	0.101	-0.025
399.5667	0.092	-0.03
414.5667	0.086	-0.035
429.5667	0.082	-0.035
444.5667	0.079	-0.035
459.5667	0.07	-0.035
474.5667	0.067	-0.04
489.5667	0.073	-0.05
504.5667	0.073	-0.06
519.5667	0.073	-0.06
534.5667	0.07	-0.06
549.5667	0.06	-0.055
564.5667	0.06	-0.065
579.5667	0.063	-0.07
594.5667	0.067	-0.075
609.5667	0.067	-0.08
624.5667	0.067	-0.08
639.5667	0.07	-0.09
654.5667	0.07	-0.09
669.5667	0.07	-0.09
684.5667	0.063	-0.09
699.5667	0.06	-0.09
714.5667	0.057	-0.09
729.5667	0.051	-0.08
744.5667	0.041	-0.07
759.5667	0.035	-0.065
774.5667	0.022	-0.06

SWL0046 Recovery Data

Elapsed Time	INPUT 1 (Residual Drawdown in Feet of H2O)	INPUT 2
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789.5667	0.016	-0.055
804.5667	0.007	-0.045
819.5667	0	-0.035

SWL0047 Recovery Data

IN_SITU INC.	TROLL			
Serial number:	576			
Unit name:	SWL0047			
Report generated:	3/17/96	20:14:20		
Report from file:	C:\WINSITU\PUMPTE~1\SWL47R.BIN			
Test name:	SWL0047 Recovery			
Test defined on:	3/7/96	15:55:58		
Test started on:	3/12/96	21:49:59		
Test stopped on:	3/13/96	17:24:59		
Test extracted on:	3/13/96	17:25:20		
Data gathered using Logarithmic testing				
Maximum time between data points: 15.0000	Minutes.			
Number of data samples:	218			
Channel number [1]				
Measurement type:	Temperature			
Channel name:	OnBoard Temp			
Channel number [2]				
Measurement type:	Pressure/Level			
Channel name:	OnBoard Pressure			
Specific gravity:	1			
Mode:	TOC			
User-defined reference:	9.923	Feet H2O		
Referenced on:	test start			
Pressure head at reference:	27.964	Feet H2O		
			Channel[1]	Channel[2]
Date	Time	ET (min)	Celsius	Feet H2O
---	---	---	---	---
3/12/96	21:49:59	0	23.03	9.923
3/12/96	21:49:59	0.005	23.04	9.916
3/12/96	21:49:59	0.01	23.04	9.923
3/12/96	21:49:59	0.015	23.04	9.923
3/12/96	21:50:00	0.02	23.05	9.923
3/12/96	21:50:00	0.025	23.05	9.928
3/12/96	21:50:00	0.03	23.06	9.921
3/12/96	21:50:01	0.035	23.06	9.921
3/12/96	21:50:01	0.04	23.06	9.916
3/12/96	21:50:01	0.045	23.06	9.911
3/12/96	21:50:02	0.05	23.07	9.902
3/12/96	21:50:02	0.055	23.07	9.898
3/12/96	21:50:02	0.06	23.07	9.893
3/12/96	21:50:02	0.065	23.07	9.875
3/12/96	21:50:03	0.07	23.07	9.865
3/12/96	21:50:03	0.075	23.08	9.851
3/12/96	21:50:03	0.08	23.08	9.838

SWL0047 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
3/12/96	21:50:04	0.085	23.08	9.819
3/12/96	21:50:04	0.09	23.08	9.678
3/12/96	21:50:04	0.095	23.09	9.898
3/12/96	21:50:05	0.1	23.09	9.655
3/12/96	21:50:05	0.1058	23.09	9.614
3/12/96	21:50:05	0.112	23.09	9.605
3/12/96	21:50:06	0.1185	23.1	9.432
3/12/96	21:50:06	0.1255	23.1	9.605
3/12/96	21:50:06	0.1328	23.1	9.478
3/12/96	21:50:07	0.1407	23.1	9.418
3/12/96	21:50:07	0.149	23.13	9.303
3/12/96	21:50:08	0.1578	23.13	9.24
3/12/96	21:50:09	0.1672	23.13	9.176
3/12/96	21:50:09	0.177	23.14	9.102
3/12/96	21:50:10	0.1875	23.14	9.026
3/12/96	21:50:10	0.1985	23.14	8.952
3/12/96	21:50:11	0.2102	23.14	8.883
3/12/96	21:50:12	0.2227	23.14	8.797
3/12/96	21:50:13	0.2358	23.14	8.71
3/12/96	21:50:13	0.2498	23.14	8.617
3/12/96	21:50:14	0.2647	23.14	8.523
3/12/96	21:50:15	0.2803	23.14	8.426
3/12/96	21:50:16	0.297	23.14	8.322
3/12/96	21:50:17	0.3147	23.14	8.211
3/12/96	21:50:19	0.3333	23.14	8.098
3/12/96	21:50:20	0.3532	23.14	7.974
3/12/96	21:50:21	0.3742	23.14	7.847
3/12/96	21:50:22	0.3963	23.14	7.713
3/12/96	21:50:24	0.4198	23.14	7.577
3/12/96	21:50:25	0.4447	23.14	7.434
3/12/96	21:50:27	0.4697	23.15	7.293
3/12/96	21:50:28	0.4963	23.15	7.148
3/12/96	21:50:30	0.5247	23.15	6.996
3/12/96	21:50:32	0.5547	23.15	6.841
3/12/96	21:50:34	0.5863	23.15	6.678
3/12/96	21:50:36	0.6213	23.15	6.502
3/12/96	21:50:38	0.658	23.15	6.32
3/12/96	21:50:40	0.6963	23.15	6.142
3/12/96	21:50:43	0.738	23.15	5.946
3/12/96	21:50:45	0.7813	23.15	5.753
3/12/96	21:50:48	0.828	23.15	5.552
3/12/96	21:50:51	0.8763	23.15	5.347
3/12/96	21:50:54	0.928	23.15	5.141
3/12/96	21:50:57	0.983	23.15	4.931
3/12/96	21:51:01	1.0413	23.15	4.715
3/12/96	21:51:05	1.103	23.15	4.495
3/12/96	21:51:09	1.168	23.15	4.281
3/12/96	21:51:13	1.238	23.15	4.062
3/12/96	21:51:17	1.3113	23.15	3.843
3/12/96	21:51:22	1.3897	23.15	3.619

SWL0047 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
---	---	---	---	---
3/12/96	21:51:27	1.473	23.15	3.393
3/12/96	21:51:32	1.5613	23.15	3.174
3/12/96	21:51:38	1.6547	23.15	2.955
3/12/96	21:51:44	1.753	23.15	2.745
3/12/96	21:51:50	1.858	23.15	2.535
3/12/96	21:51:57	1.968	23.15	2.332
3/12/96	21:52:04	2.0847	23.15	2.136
3/12/96	21:52:11	2.2097	23.15	1.944
3/12/96	21:52:19	2.3413	23.15	1.76
3/12/96	21:52:27	2.4813	23.15	1.587
3/12/96	21:52:36	2.6297	23.15	1.421
3/12/96	21:52:46	2.7863	23.15	1.266
3/12/96	21:52:56	2.953	23.15	1.121
3/12/96	21:53:06	3.1297	23.15	0.987
3/12/96	21:53:17	3.3163	23.15	0.858
3/12/96	21:53:29	3.5147	23.15	0.749
3/12/96	21:53:42	3.7247	23.15	0.639
3/12/96	21:53:55	3.9463	23.15	0.546
3/12/96	21:54:09	4.1813	23.15	0.466
3/12/96	21:54:24	4.4297	23.15	0.392
3/12/96	21:54:40	4.693	23.14	0.327
3/12/96	21:54:57	4.973	23.15	0.267
3/12/96	21:55:15	5.2697	23.14	0.223
3/12/96	21:55:33	5.583	23.14	0.182
3/12/96	21:55:53	5.9147	23.14	0.145
3/12/96	21:56:14	6.2663	23.14	0.117
3/12/96	21:56:37	6.6397	23.14	0.094
3/12/96	21:57:01	7.0347	23.13	0.076
3/12/96	21:57:26	7.453	23.12	0.062
3/12/96	21:57:52	7.8963	23.15	0.048
3/12/96	21:58:20	8.3663	23.14	0.044
3/12/96	21:58:50	8.8647	23.13	0.03
3/12/96	21:59:22	9.3913	23.12	0.025
3/12/96	21:59:55	9.9497	23.12	0.016
3/12/96	22:00:31	10.5413	23.12	0.016
3/12/96	22:01:09	11.168	23.11	0.007
3/12/96	22:01:48	11.8313	23.14	0.002
3/12/96	22:02:31	12.5347	23.12	-0.003
3/12/96	22:03:15	13.2797	23.1	-0.003
3/12/96	22:04:03	14.0697	23.1	-0.007
3/12/96	22:04:53	14.9063	23.09	-0.012
3/12/96	22:05:46	15.7913	23.09	-0.012
3/12/96	22:06:42	16.7297	23.08	-0.016
3/12/96	22:07:42	17.723	23.08	-0.021
3/12/96	22:08:45	18.7763	23.07	-0.026
3/12/96	22:09:52	19.8913	23.07	-0.026
3/12/96	22:11:03	21.073	23.06	-0.035
3/12/96	22:12:18	22.3247	23.06	-0.035
3/12/96	22:13:37	23.6497	23.06	-0.04
3/12/96	22:15:02	25.0547	23.06	-0.04

SWL0047 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
3/12/96	22:16:31	26.543	23.09	-0.049
3/12/96	22:18:06	28.118	23.07	-0.049
3/12/96	22:19:46	29.7863	23.07	-0.053
3/12/96	22:21:32	31.5547	23.06	-0.058
3/12/96	22:23:24	33.428	23.06	-0.063
3/12/96	22:25:23	35.4113	23.06	-0.067
3/12/96	22:27:29	37.513	23.05	-0.072
3/12/96	22:29:43	39.7397	23.04	-0.076
3/12/96	22:32:04	42.098	23.04	-0.076
3/12/96	22:34:34	44.5963	23.04	-0.081
3/12/96	22:37:13	47.243	23.04	-0.09
3/12/96	22:40:01	50.0463	23.04	-0.095
3/12/96	22:42:59	53.0147	23.04	-0.099
3/12/96	22:46:08	56.1597	23.04	-0.099
3/12/96	22:49:28	59.4913	23.04	-0.109
3/12/96	22:53:00	63.0197	23.04	-0.113
3/12/96	22:56:44	66.758	23.04	-0.118
3/12/96	23:00:42	70.718	23.04	-0.118
3/12/96	23:04:53	74.9113	23.04	-0.127
3/12/96	23:09:20	79.3547	23.04	-0.132
3/12/96	23:14:02	84.0613	23.04	-0.132
3/12/96	23:19:01	89.0463	23.04	-0.139
3/12/96	23:24:18	94.3263	23.04	-0.143
3/12/96	23:29:54	99.9197	23.04	-0.148
3/12/96	23:35:49	105.8447	23.04	-0.148
3/12/96	23:42:06	112.1197	23.03	-0.157
3/12/96	23:48:45	118.768	23.04	-0.162
3/12/96	23:55:47	125.8097	23.04	-0.162
3/13/96	0:03:15	133.268	23.04	-0.166
3/13/96	0:11:09	141.168	23.03	-0.166
3/13/96	0:19:31	149.5363	23.03	-0.171
3/13/96	0:28:23	158.4013	23.04	-0.176
3/13/96	0:37:46	167.7913	23.03	-0.176
3/13/96	0:47:43	177.738	23.03	-0.185
3/13/96	0:58:15	188.2747	23.04	-0.194
3/13/96	1:09:25	199.4347	23.03	-0.199
3/13/96	1:21:14	211.2563	23.03	-0.208
3/13/96	1:33:45	223.778	23.03	-0.217
3/13/96	1:47:01	237.043	23.03	-0.217
3/13/96	2:01:04	251.093	23.03	-0.226
3/13/96	2:15:57	265.9763	23.03	-0.236
3/13/96	2:30:57	280.9763	23.04	-0.245
3/13/96	2:45:57	295.9763	23.04	-0.254
3/13/96	3:00:57	310.9763	23.04	-0.254
3/13/96	3:15:57	325.9763	23.03	-0.259
3/13/96	3:30:57	340.9763	23.03	-0.263
3/13/96	3:45:57	355.9763	23.04	-0.268
3/13/96	4:00:57	370.9763	23.03	-0.268
3/13/96	4:15:57	385.9763	23.03	-0.272
3/13/96	4:30:57	400.9763	23.03	-0.277

SWL0047 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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3/13/96	4:45:57	415.9763	23.03	-0.277
3/13/96	5:00:57	430.9763	23.03	-0.268
3/13/96	5:15:57	445.9763	23.03	-0.272
3/13/96	5:30:57	460.9763	23.03	-0.268
3/13/96	5:45:57	475.9763	23.03	-0.272
3/13/96	6:00:57	490.9763	23.04	-0.272
3/13/96	6:15:57	505.9763	23.04	-0.272
3/13/96	6:30:57	520.9763	23.03	-0.268
3/13/96	6:45:57	535.9763	23.03	-0.263
3/13/96	7:00:57	550.9763	23.03	-0.254
3/13/96	7:15:57	565.9763	23.03	-0.249
3/13/96	7:30:57	580.9763	23.04	-0.249
3/13/96	7:45:57	595.9763	23.03	-0.245
3/13/96	8:00:57	610.9763	23.03	-0.245
3/13/96	8:15:57	625.9763	23.03	-0.24
3/13/96	8:30:57	640.9763	23.03	-0.236
3/13/96	8:45:57	655.9763	23.03	-0.226
3/13/96	9:00:57	670.9763	23.03	-0.226
3/13/96	9:15:57	685.9763	23.03	-0.226
3/13/96	9:30:57	700.9763	23.03	-0.222
3/13/96	9:45:57	715.9763	23.03	-0.222
3/13/96	10:00:57	730.9763	23.03	-0.217
3/13/96	10:15:57	745.9763	23.03	-0.217
3/13/96	10:30:57	760.9763	23.04	-0.213
3/13/96	10:45:57	775.9763	23.03	-0.213
3/13/96	11:00:57	790.9763	23.03	-0.213
3/13/96	11:15:57	805.9763	23.03	-0.213
3/13/96	11:30:57	820.9763	23.03	-0.213
3/13/96	11:45:57	835.9763	23.03	-0.222
3/13/96	12:00:57	850.9763	23.03	-0.217
3/13/96	12:15:57	865.9763	23.03	-0.217
3/13/96	12:30:57	880.9763	23.03	-0.226
3/13/96	12:45:57	895.9763	23.03	-0.226
3/13/96	13:00:57	910.9763	23.03	-0.231
3/13/96	13:15:57	925.9763	23.03	-0.231
3/13/96	13:30:57	940.9763	23.03	-0.236
3/13/96	13:45:57	955.9763	23.03	-0.236
3/13/96	14:00:57	970.9763	23.02	-0.236
3/13/96	14:15:57	985.9763	23.03	-0.24
3/13/96	14:30:57	1000.976	23.03	-0.24
3/13/96	14:45:57	1015.976	23.03	-0.236
3/13/96	15:00:57	1030.976	23.03	-0.24
3/13/96	15:15:57	1045.976	23.03	-0.236
3/13/96	15:30:57	1060.976	23.03	-0.236
3/13/96	15:45:57	1075.976	23.03	-0.231
3/13/96	16:00:57	1090.976	23.03	-0.226
3/13/96	16:15:57	1105.976	23.03	-0.222
3/13/96	16:30:57	1120.976	23.03	-0.217
3/13/96	16:45:57	1135.976	23.04	-0.213
3/13/96	17:00:57	1150.976	23.03	-0.208

SWL0047 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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3/13/96	17:15:57	1165.976	23.03	-0.203

IN_SITU INC.	TROLL				
Serial number:	750				
Unit name:	SWL0049				
Report generated:	9/20/96	15:33:52			
Report from file:	S:\AXC\DELAMO\PUMPTEST\SWL0049\SWL49R2.BIN				
Test name:	SWL0049 Recover2				
Test defined on:	2/28/96	9:59:27			
Test started on:	2/28/96	22:59:56			
Test stopped on:	2/29/96	13:04:12			
Test extracted on:	2/29/96	13:05:15			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0000	Minutes.				
Number of data samples:	196				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoardTemp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoardPressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	4.615	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	6.332	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
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2/28/96	23:00:01	0	22.29	4.62	
2/28/96	23:00:02	0.005	22.28	4.615	
2/28/96	23:00:02	0.0108	22.29	4.608	
2/28/96	23:00:02	0.017	22.29	4.603	
2/28/96	23:00:03	0.0235	22.29	4.594	
2/28/96	23:00:03	0.0305	22.29	4.58	
2/28/96	23:00:03	0.0378	22.3	4.557	
2/28/96	23:00:04	0.0457	22.3	4.539	
2/28/96	23:00:04	0.054	22.34	4.493	
2/28/96	23:00:05	0.0628	22.34	4.449	
2/28/96	23:00:06	0.0722	22.34	4.389	
2/28/96	23:00:06	0.082	22.35	4.334	
2/28/96	23:00:07	0.0925	22.34	4.283	
2/28/96	23:00:07	0.1035	22.35	4.188	
2/28/96	23:00:08	0.1152	22.35	4.147	
2/28/96	23:00:09	0.1277	22.35	4.064	
2/28/96	23:00:10	0.1408	22.35	3.988	

SWL0049 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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2/28/96	23:00:10	0.1548	22.35	3.918	
2/28/96	23:00:11	0.1697	22.35	3.847	
2/28/96	23:00:12	0.1853	22.35	3.773	
2/28/96	23:00:13	0.202	22.35	3.704	
2/28/96	23:00:14	0.2197	22.35	3.632	
2/28/96	23:00:16	0.2383	22.36	3.559	
2/28/96	23:00:17	0.2582	22.36	3.485	
2/28/96	23:00:18	0.2792	22.36	3.413	
2/28/96	23:00:19	0.3013	22.36	3.344	
2/28/96	23:00:21	0.3248	22.36	3.275	
2/28/96	23:00:22	0.3497	22.36	3.208	
2/28/96	23:00:24	0.3747	22.36	3.148	
2/28/96	23:00:25	0.4013	22.36	3.093	
2/28/96	23:00:27	0.4297	22.36	3.028	
2/28/96	23:00:29	0.4597	22.37	2.975	
2/28/96	23:00:31	0.4913	22.37	2.915	
2/28/96	23:00:33	0.5263	22.36	2.85	
2/28/96	23:00:35	0.563	22.37	2.788	
2/28/96	23:00:37	0.6013	22.37	2.724	
2/28/96	23:00:40	0.643	22.37	2.654	
2/28/96	23:00:42	0.6863	22.37	2.587	
2/28/96	23:00:45	0.733	22.37	2.518	
2/28/96	23:00:48	0.7813	22.37	2.449	
2/28/96	23:00:51	0.833	22.37	2.375	
2/28/96	23:00:54	0.888	22.37	2.304	
2/28/96	23:00:58	0.9463	22.37	2.23	
2/28/96	23:01:02	1.008	22.37	2.156	
2/28/96	23:01:06	1.073	22.37	2.08	
2/28/96	23:01:10	1.143	22.37	2.002	
2/28/96	23:01:14	1.2163	22.37	1.925	
2/28/96	23:01:19	1.2947	22.37	1.852	
2/28/96	23:01:24	1.378	22.37	1.773	
2/28/96	23:01:29	1.4663	22.37	1.702	
2/28/96	23:01:35	1.5597	22.37	1.619	
2/28/96	23:01:41	1.658	22.36	1.545	
2/28/96	23:01:47	1.763	22.37	1.469	
2/28/96	23:01:54	1.873	22.36	1.395	
2/28/96	23:02:01	1.9897	22.36	1.326	
2/28/96	23:02:08	2.1147	22.36	1.261	
2/28/96	23:02:16	2.2463	22.36	1.194	
2/28/96	23:02:24	2.3863	22.36	1.125	
2/28/96	23:02:33	2.5347	22.36	1.065	
2/28/96	23:02:43	2.6913	22.36	1.012	
2/28/96	23:02:53	2.858	22.36	0.952	
2/28/96	23:03:03	3.0347	22.36	0.901	
2/28/96	23:03:14	3.2213	22.36	0.846	
2/28/96	23:03:26	3.4197	22.36	0.793	
2/28/96	23:03:39	3.6297	22.36	0.747	
2/28/96	23:03:52	3.8513	22.36	0.705	
2/28/96	23:04:06	4.0863	22.36	0.664	

SWL0049 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
2/28/96	23:04:21	4.3347	22.36	0.631	
2/28/96	23:04:37	4.598	22.36	0.599	
2/28/96	23:04:54	4.878	22.36	0.574	
2/28/96	23:05:12	5.1747	22.36	0.551	
2/28/96	23:05:30	5.488	22.35	0.528	
2/28/96	23:05:50	5.8197	22.35	0.505	
2/28/96	23:06:11	6.1713	22.35	0.486	
2/28/96	23:06:34	6.5447	22.35	0.468	
2/28/96	23:06:58	6.9397	22.34	0.454	
2/28/96	23:07:23	7.358	22.34	0.44	
2/28/96	23:07:49	7.8013	22.34	0.426	
2/28/96	23:08:17	8.2713	22.33	0.417	
2/28/96	23:08:47	8.7697	22.33	0.403	
2/28/96	23:09:19	9.2963	22.33	0.394	
2/28/96	23:09:52	9.8547	22.35	0.389	
2/28/96	23:10:28	10.4463	22.34	0.375	
2/28/96	23:11:06	11.073	22.33	0.366	
2/28/96	23:11:45	11.7363	22.32	0.357	
2/28/96	23:12:28	12.4397	22.32	0.343	
2/28/96	23:13:12	13.1847	22.32	0.338	
2/28/96	23:14:00	13.9747	22.31	0.329	
2/28/96	23:14:50	14.8113	22.3	0.32	
2/28/96	23:15:43	15.6963	22.3	0.315	
2/28/96	23:16:39	16.6347	22.3	0.306	
2/28/96	23:17:39	17.628	22.29	0.302	
2/28/96	23:18:42	18.6813	22.31	0.292	
2/28/96	23:19:49	19.7963	22.35	0.29	
2/28/96	23:21:00	20.978	22.33	0.281	
2/28/96	23:22:15	22.2297	22.32	0.276	
2/28/96	23:23:34	23.5547	22.32	0.267	
2/28/96	23:24:59	24.9597	22.31	0.262	
2/28/96	23:26:28	26.448	22.32	0.258	
2/28/96	23:28:03	28.023	22.3	0.248	
2/28/96	23:29:43	29.6913	22.29	0.239	
2/28/96	23:31:29	31.4597	22.28	0.235	
2/28/96	23:33:21	33.333	22.27	0.225	
2/28/96	23:35:20	35.3163	22.27	0.221	
2/28/96	23:37:26	37.418	22.26	0.221	
2/28/96	23:39:40	39.6447	22.26	0.212	
2/28/96	23:42:01	42.003	22.25	0.207	
2/28/96	23:44:31	44.5013	22.25	0.198	
2/28/96	23:47:10	47.148	22.25	0.189	
2/28/96	23:49:58	49.9513	22.25	0.184	
2/28/96	23:52:56	52.9197	22.25	0.175	
2/28/96	23:56:05	56.0647	22.25	0.17	
2/28/96	23:59:25	59.3963	22.25	0.165	
2/29/96	0:02:57	62.9247	22.25	0.156	
2/29/96	0:06:41	66.663	22.25	0.152	
2/29/96	0:10:39	70.623	22.25	0.142	
2/29/96	0:14:50	74.8163	22.25	0.138	

SWL0049 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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2/29/96	0:19:17	79.2597	22.25	0.133	
2/29/96	0:23:59	83.9663	22.25	0.133	
2/29/96	0:28:58	88.9513	22.25	0.133	
2/29/96	0:34:15	94.2313	22.25	0.129	
2/29/96	0:39:51	99.8247	22.25	0.119	
2/29/96	0:45:46	105.7497	22.25	0.115	
2/29/96	0:52:03	112.0247	22.25	0.115	
2/29/96	0:58:42	118.673	22.25	0.11	
2/29/96	1:05:44	125.7147	22.25	0.11	
2/29/96	1:13:12	133.173	22.25	0.11	
2/29/96	1:21:06	141.073	22.25	0.105	
2/29/96	1:29:28	149.4413	22.25	0.101	
2/29/96	1:38:20	158.3063	22.25	0.101	
2/29/96	1:47:43	167.6963	22.25	0.092	
2/29/96	1:57:40	177.643	22.25	0.087	
2/29/96	2:08:12	188.1797	22.25	0.082	
2/29/96	2:19:22	199.3397	22.25	0.078	
2/29/96	2:31:11	211.1613	22.25	0.078	
2/29/96	2:43:42	223.683	22.25	0.073	
2/29/96	2:56:58	236.948	22.25	0.069	
2/29/96	3:11:01	250.998	22.25	0.064	
2/29/96	3:25:54	265.8813	22.25	0.064	
2/29/96	3:40:54	280.8813	22.25	0.059	
2/29/96	3:55:54	295.8813	22.25	0.064	
2/29/96	4:10:54	310.8813	22.25	0.059	
2/29/96	4:25:54	325.8813	22.25	0.059	
2/29/96	4:40:54	340.8813	22.25	0.059	
2/29/96	4:55:54	355.8813	22.25	0.059	
2/29/96	5:10:54	370.8813	22.25	0.059	
2/29/96	5:25:54	385.8813	22.25	0.059	
2/29/96	5:40:54	400.8813	22.25	0.059	
2/29/96	5:55:54	415.8813	22.25	0.069	
2/29/96	6:10:54	430.8813	22.25	0.064	
2/29/96	6:25:54	445.8813	22.25	0.069	
2/29/96	6:40:54	460.8813	22.25	0.069	
2/29/96	6:55:54	475.8813	22.25	0.073	
2/29/96	7:10:54	490.8813	22.25	0.073	
2/29/96	7:25:54	505.8813	22.25	0.073	
2/29/96	7:40:54	520.8813	22.25	0.078	
2/29/96	7:55:54	535.8813	22.25	0.073	
2/29/96	8:10:54	550.8813	22.25	0.078	
2/29/96	8:25:54	565.8813	22.25	0.087	
2/29/96	8:40:54	580.8813	22.25	0.087	
2/29/96	8:55:54	595.8813	22.25	0.092	
2/29/96	9:10:54	610.8813	22.25	0.092	
2/29/96	9:25:54	625.8813	22.25	0.082	
2/29/96	9:40:54	640.8813	22.25	0.073	
2/29/96	9:55:54	655.8813	22.25	0.069	
2/29/96	10:10:54	670.8813	22.25	0.069	
2/29/96	10:25:54	685.8813	22.25	0.064	

SWL0049 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/29/96	10:40:54	700.8813	22.25	0.055	
2/29/96	10:55:54	715.8813	22.25	0.055	
2/29/96	11:10:54	730.8813	22.25	0.05	
2/29/96	11:25:54	745.8813	22.25	0.045	
2/29/96	11:40:54	760.8813	22.25	0.045	
2/29/96	11:55:54	775.8813	22.25	0.041	
2/29/96	12:10:54	790.8813	22.25	0.036	
2/29/96	12:25:54	805.8813	22.25	0.027	

IN_SITU INC.	TROLL				
Serial number:	750				
Unit name:	SWL0057				
Report generated:	9/23/96	10:11:54			
Report from file:	S:\AXC\DELAMO\PUMPTEST\SWL0057\SWL57R2.BIN				
Test name:	SWL57 Recovery				
Test defined on:	2/21/96	8:37:56			
Test started on:	2/21/96	21:26:02			
Test stopped on:	2/27/96	14:11:16			
Test extracted on:	2/27/96	14:14:34			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0000	Minutes.				
Number of data samples:	687				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoard Pressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	8.934	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	6.237	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
2/21/96	21:26:02	0	21.65	8.934	
2/21/96	21:26:02	0.005	21.65	8.929	
2/21/96	21:26:02	0.01	21.66	8.934	
2/21/96	21:26:02	0.015	21.66	8.939	
2/21/96	21:26:03	0.02	21.66	8.929	
2/21/96	21:26:03	0.025	21.67	8.934	
2/21/96	21:26:03	0.03	21.67	8.934	
2/21/96	21:26:04	0.035	21.67	8.939	
2/21/96	21:26:04	0.04	21.68	8.929	
2/21/96	21:26:04	0.045	21.67	8.92	
2/21/96	21:26:05	0.05	21.69	8.925	
2/21/96	21:26:05	0.055	21.69	8.92	
2/21/96	21:26:05	0.06	21.68	8.911	
2/21/96	21:26:05	0.065	21.69	8.902	
2/21/96	21:26:06	0.07	21.7	8.883	
2/21/96	21:26:06	0.075	21.7	8.879	
2/21/96	21:26:06	0.08	21.7	8.856	

SWL0057 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
2/21/96	21:26:07	0.085	21.7	8.846	
2/21/96	21:26:07	0.09	21.7	8.828	
2/21/96	21:26:07	0.095	21.71	8.812	
2/21/96	21:26:08	0.1	21.71	8.793	
2/21/96	21:26:08	0.1058	21.71	8.77	
2/21/96	21:26:08	0.112	21.72	8.752	
2/21/96	21:26:09	0.1185	21.72	8.729	
2/21/96	21:26:09	0.1255	21.72	8.706	
2/21/96	21:26:09	0.1328	21.72	8.687	
2/21/96	21:26:10	0.1407	21.73	8.664	
2/21/96	21:26:10	0.149	21.77	8.63	
2/21/96	21:26:11	0.1578	21.77	8.611	
2/21/96	21:26:12	0.1672	21.77	8.588	
2/21/96	21:26:12	0.177	21.77	8.57	
2/21/96	21:26:13	0.1875	21.77	8.551	
2/21/96	21:26:13	0.1985	21.77	8.528	
2/21/96	21:26:14	0.2102	21.78	8.514	
2/21/96	21:26:15	0.2227	21.78	8.491	
2/21/96	21:26:16	0.2358	21.78	8.47	
2/21/96	21:26:16	0.2498	21.78	8.452	
2/21/96	21:26:17	0.2647	21.78	8.438	
2/21/96	21:26:18	0.2803	21.78	8.406	
2/21/96	21:26:19	0.297	21.78	8.36	
2/21/96	21:26:20	0.3147	21.78	8.318	
2/21/96	21:26:22	0.3333	21.79	8.286	
2/21/96	21:26:23	0.3532	21.78	8.251	
2/21/96	21:26:24	0.3742	21.79	8.219	
2/21/96	21:26:25	0.3963	21.79	8.191	
2/21/96	21:26:27	0.4198	21.79	8.164	
2/21/96	21:26:28	0.4447	21.79	8.145	
2/21/96	21:26:30	0.4697	21.8	8.122	
2/21/96	21:26:31	0.4963	21.8	8.113	
2/21/96	21:26:33	0.5247	21.8	8.104	
2/21/96	21:26:35	0.5547	21.8	8.094	
2/21/96	21:26:37	0.5863	21.8	8.083	
2/21/96	21:26:39	0.6213	21.81	8.074	
2/21/96	21:26:41	0.658	21.8	8.06	
2/21/96	21:26:43	0.6963	21.81	8.046	
2/21/96	21:26:46	0.738	21.81	8.027	
2/21/96	21:26:48	0.7813	21.81	8.009	
2/21/96	21:26:51	0.828	21.81	7.991	
2/21/96	21:26:54	0.8763	21.81	7.968	
2/21/96	21:26:57	0.928	21.81	7.944	
2/21/96	21:27:00	0.983	21.81	7.917	
2/21/96	21:27:04	1.0413	21.81	7.894	
2/21/96	21:27:08	1.103	21.81	7.868	
2/21/96	21:27:12	1.168	21.81	7.836	
2/21/96	21:27:16	1.238	21.81	7.804	
2/21/96	21:27:20	1.3113	21.81	7.771	
2/21/96	21:27:25	1.3897	21.81	7.735	

SWL0057 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
2/21/96	21:27:30	1.473	21.81	7.698	
2/21/96	21:27:35	1.5613	21.81	7.663	
2/21/96	21:27:41	1.6547	21.82	7.622	
2/21/96	21:27:47	1.753	21.81	7.58	
2/21/96	21:27:53	1.858	21.82	7.538	
2/21/96	21:28:00	1.968	21.82	7.488	
2/21/96	21:28:07	2.0847	21.82	7.439	
2/21/96	21:28:14	2.2097	21.82	7.389	
2/21/96	21:28:22	2.3413	21.82	7.333	
2/21/96	21:28:30	2.4813	21.83	7.273	
2/21/96	21:28:39	2.6297	21.83	7.216	
2/21/96	21:28:49	2.7863	21.83	7.151	
2/21/96	21:28:59	2.953	21.84	7.086	
2/21/96	21:29:09	3.1297	21.84	7.015	
2/21/96	21:29:20	3.3163	21.85	6.936	
2/21/96	21:29:32	3.5147	21.86	6.856	
2/21/96	21:29:45	3.7247	21.86	6.768	
2/21/96	21:29:58	3.9463	21.86	6.676	
2/21/96	21:30:12	4.1813	21.86	6.586	
2/21/96	21:30:27	4.4297	21.88	6.489	
2/21/96	21:30:43	4.693	21.88	6.39	
2/21/96	21:31:00	4.973	21.88	6.284	
2/21/96	21:31:18	5.2697	21.88	6.175	
2/21/96	21:31:36	5.583	21.88	6.06	
2/21/96	21:31:56	5.9147	21.88	5.947	
2/21/96	21:32:17	6.2663	21.88	5.827	
2/21/96	21:32:40	6.6397	21.88	5.7	
2/21/96	21:33:04	7.0347	21.9	5.573	
2/21/96	21:33:29	7.453	21.89	5.439	
2/21/96	21:33:55	7.8963	21.88	5.303	
2/21/96	21:34:23	8.3663	21.88	5.165	
2/21/96	21:34:53	8.8647	21.87	5.02	
2/21/96	21:35:25	9.3913	21.86	4.865	
2/21/96	21:35:58	9.9497	21.88	4.704	
2/21/96	21:36:34	10.5413	21.86	4.549	
2/21/96	21:37:12	11.168	21.86	4.39	
2/21/96	21:37:51	11.8313	21.84	4.219	
2/21/96	21:38:34	12.5347	21.86	4.055	
2/21/96	21:39:18	13.2797	21.87	3.882	
2/21/96	21:40:06	14.0697	21.85	3.709	
2/21/96	21:40:56	14.9063	21.84	3.534	
2/21/96	21:41:49	15.7913	21.83	3.361	
2/21/96	21:42:45	16.7297	21.82	3.193	
2/21/96	21:43:45	17.723	21.8	3.008	
2/21/96	21:44:48	18.7763	21.78	2.835	
2/21/96	21:45:55	19.8913	21.77	2.667	
2/21/96	21:47:06	21.073	21.76	2.491	
2/21/96	21:48:21	22.3247	21.75	2.328	
2/21/96	21:49:40	23.6497	21.73	2.166	
2/21/96	21:51:05	25.0547	21.73	2.016	

SWL0057 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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2/21/96	21:52:34	26.543	21.72	1.857	
2/21/96	21:54:09	28.118	21.72	1.705	
2/21/96	21:55:49	29.7863	21.72	1.56	
2/21/96	21:57:35	31.5547	21.71	1.421	
2/21/96	21:59:27	33.428	21.71	1.29	
2/21/96	22:01:26	35.4113	21.7	1.165	
2/21/96	22:03:32	37.513	21.7	1.052	
2/21/96	22:05:46	39.7397	21.7	0.951	
2/21/96	22:08:07	42.098	21.7	0.861	
2/21/96	22:10:37	44.5963	21.69	0.778	
2/21/96	22:13:16	47.243	21.69	0.699	
2/21/96	22:16:04	50.0463	21.69	0.635	
2/21/96	22:19:02	53.0147	21.69	0.577	
2/21/96	22:22:11	56.1597	21.69	0.526	
2/21/96	22:25:31	59.4913	21.69	0.48	
2/21/96	22:29:03	63.0197	21.69	0.439	
2/21/96	22:32:47	66.758	21.68	0.406	
2/21/96	22:36:45	70.718	21.68	0.374	
2/21/96	22:40:56	74.9113	21.68	0.349	
2/21/96	22:45:23	79.3547	21.67	0.321	
2/21/96	22:50:05	84.0613	21.67	0.298	
2/21/96	22:55:04	89.0463	21.67	0.279	
2/21/96	23:00:21	94.3263	21.67	0.266	
2/21/96	23:05:57	99.9197	21.67	0.247	
2/21/96	23:11:52	105.8447	21.67	0.233	
2/21/96	23:18:09	112.1197	21.67	0.219	
2/21/96	23:24:48	118.768	21.67	0.206	
2/21/96	23:31:50	125.8097	21.67	0.201	
2/21/96	23:39:18	133.268	21.67	0.192	
2/21/96	23:47:12	141.168	21.66	0.178	
2/21/96	23:55:34	149.5363	21.67	0.178	
2/22/96	0:04:26	158.4013	21.66	0.164	
2/22/96	0:13:49	167.7913	21.66	0.159	
2/22/96	0:23:46	177.738	21.66	0.15	
2/22/96	0:34:18	188.2747	21.66	0.146	
2/22/96	0:45:28	199.4347	21.66	0.141	
2/22/96	0:57:17	211.2563	21.66	0.132	
2/22/96	1:09:48	223.778	21.66	0.132	
2/22/96	1:23:04	237.043	21.66	0.127	
2/22/96	1:37:07	251.093	21.66	0.118	
2/22/96	1:52:00	265.9763	21.66	0.109	
2/22/96	2:07:00	280.9763	21.66	0.104	
2/22/96	2:22:00	295.9763	21.66	0.099	
2/22/96	2:37:00	310.9763	21.66	0.09	
2/22/96	2:52:00	325.9763	21.66	0.086	
2/22/96	3:07:00	340.9763	21.66	0.076	
2/22/96	3:22:00	355.9763	21.66	0.072	
2/22/96	3:37:00	370.9763	21.66	0.069	
2/22/96	3:52:00	385.9763	21.66	0.074	
2/22/96	4:07:00	400.9763	21.66	0.067	

SWL0057 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
2/22/96	4:22:00	415.9763	21.66	0.074	
2/22/96	4:37:00	430.9763	21.66	0.072	
2/22/96	4:52:00	445.9763	21.66	0.076	
2/22/96	5:07:00	460.9763	21.66	0.081	
2/22/96	5:22:00	475.9763	21.66	0.081	
2/22/96	5:37:00	490.9763	21.66	0.086	
2/22/96	5:52:00	505.9763	21.66	0.09	
2/22/96	6:07:00	520.9763	21.66	0.09	
2/22/96	6:22:00	535.9763	21.66	0.095	
2/22/96	6:37:00	550.9763	21.66	0.095	
2/22/96	6:52:00	565.9763	21.66	0.104	
2/22/96	7:07:00	580.9763	21.66	0.109	
2/22/96	7:22:00	595.9763	21.66	0.118	
2/22/96	7:37:00	610.9763	21.66	0.123	
2/22/96	7:52:00	625.9763	21.66	0.127	
2/22/96	8:07:00	640.9763	21.66	0.127	
2/22/96	8:22:00	655.9763	21.66	0.132	
2/22/96	8:37:00	670.9763	21.66	0.136	
2/22/96	8:52:00	685.9763	21.66	0.141	
2/22/96	9:07:00	700.9763	21.66	0.141	
2/22/96	9:22:00	715.9763	21.66	0.146	
2/22/96	9:37:00	730.9763	21.66	0.146	
2/22/96	9:52:00	745.9763	21.66	0.141	
2/22/96	10:07:00	760.9763	21.66	0.136	
2/22/96	10:22:00	775.9763	21.66	0.141	
2/22/96	10:37:00	790.9763	21.66	0.136	
2/22/96	10:52:00	805.9763	21.66	0.136	
2/22/96	11:07:00	820.9763	21.66	0.132	
2/22/96	11:22:00	835.9763	21.66	0.127	
2/22/96	11:37:00	850.9763	21.66	0.123	
2/22/96	11:52:00	865.9763	21.66	0.118	
2/22/96	12:07:00	880.9763	21.66	0.109	
2/22/96	12:22:00	895.9763	21.66	0.099	
2/22/96	12:37:00	910.9763	21.66	0.095	
2/22/96	12:52:00	925.9763	21.66	0.09	
2/22/96	13:07:00	940.9763	21.66	0.086	
2/22/96	13:22:00	955.9763	21.66	0.081	
2/22/96	13:37:00	970.9763	21.67	0.079	
2/22/96	13:52:00	985.9763	21.66	0.081	
2/22/96	14:07:00	1000.976	21.66	0.076	
2/22/96	14:22:00	1015.976	21.66	0.074	
2/22/96	14:37:00	1030.976	21.66	0.069	
2/22/96	14:52:00	1045.976	21.66	0.074	
2/22/96	15:07:00	1060.976	21.66	0.074	
2/22/96	15:22:00	1075.976	21.66	0.069	
2/22/96	15:37:00	1090.976	21.66	0.065	
2/22/96	15:52:00	1105.976	21.66	0.06	
2/22/96	16:07:00	1120.976	21.66	0.06	
2/22/96	16:22:00	1135.976	21.66	0.06	
2/22/96	16:37:00	1150.976	21.66	0.065	

SWL0057 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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2/22/96	16:52:00	1165.976	21.66	0.069	
2/22/96	17:07:00	1180.976	21.66	0.074	
2/22/96	17:22:00	1195.976	21.66	0.076	
2/22/96	17:37:00	1210.976	21.66	0.076	
2/22/96	17:52:00	1225.976	21.66	0.076	
2/22/96	18:07:00	1240.976	21.66	0.081	
2/22/96	18:22:00	1255.976	21.66	0.081	
2/22/96	18:37:00	1270.976	21.66	0.076	
2/22/96	18:52:00	1285.976	21.66	0.081	
2/22/96	19:07:00	1300.976	21.66	0.081	
2/22/96	19:22:00	1315.976	21.66	0.081	
2/22/96	19:37:00	1330.976	21.66	0.081	
2/22/96	19:52:00	1345.976	21.66	0.081	
2/22/96	20:07:00	1360.976	21.66	0.081	
2/22/96	20:22:00	1375.976	21.66	0.081	
2/22/96	20:37:00	1390.976	21.66	0.09	
2/22/96	20:52:00	1405.976	21.66	0.09	
2/22/96	21:07:00	1420.976	21.66	0.086	
2/22/96	21:22:00	1435.976	21.66	0.086	

XMW-28 Recovery Data

IN_SITU INC.	TROLL			
Serial number:	751			
Unit name:	XMW-28			
Report generated:	3/26/96	12:19:17		
Report from file:	TMP4.$$$			
Test name:	XMW-28 Recovery2			
Test defined on:	3/22/96	12:12:28		
Test started on:	3/24/96	21:25:02		
Test stopped on:	3/26/96	12:16:01		
Test extracted on:	3/26/96	12:18:16		
Data gathered using Logarithmic testing				
Maximum time between data points: 15.0000	Minutes.			
Number of data samples:	295			
Channel number [1]				
Measurement type:	Temperature			
Channel name:	OnBoard Temp			
Channel number [2]				
Measurement type:	Pressure/Level			
Channel name:	Pressure			
Specific gravity:	1			
Mode:	TOC			
User-defined reference:	9.095	Feet H2O		
Referenced on:	test start			
Pressure head at reference:	0.3	Feet H2O		
			Channel[1]	Channel[2]
Date	Time	ET (min)	Celsius	Feet H2O
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3/24/96	21:25:02	0	21.66	9.095
3/24/96	21:25:02	0.005	21.67	9.095
3/24/96	21:25:02	0.01	21.68	9.088
3/24/96	21:25:02	0.015	21.68	9.065
3/24/96	21:25:03	0.02	21.68	9.047
3/24/96	21:25:03	0.025	21.69	9.014
3/24/96	21:25:03	0.03	21.69	8.97
3/24/96	21:25:04	0.035	21.69	8.927
3/24/96	21:25:04	0.04	21.69	8.88
3/24/96	21:25:04	0.045	21.69	8.837
3/24/96	21:25:05	0.05	21.7	8.777
3/24/96	21:25:05	0.055	21.7	8.728
3/24/96	21:25:05	0.06	21.71	8.629
3/24/96	21:25:05	0.065	21.71	8.544
3/24/96	21:25:06	0.07	21.71	8.486
3/24/96	21:25:06	0.075	21.71	8.424
3/24/96	21:25:06	0.08	21.71	8.325

XMW-28 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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3/24/96	21:25:07	0.085	21.72	8.23
3/24/96	21:25:07	0.09	21.72	8.131
3/24/96	21:25:07	0.095	21.72	8.096
3/24/96	21:25:08	0.1	21.72	8.011
3/24/96	21:25:08	0.1058	21.73	7.912
3/24/96	21:25:08	0.112	21.73	7.812
3/24/96	21:25:09	0.1185	21.73	7.778
3/24/96	21:25:09	0.1255	21.74	7.679
3/24/96	21:25:09	0.1328	21.74	7.58
3/24/96	21:25:10	0.1407	21.74	7.48
3/24/96	21:25:10	0.149	21.76	7.293
3/24/96	21:25:11	0.1578	21.76	7.194
3/24/96	21:25:12	0.1672	21.76	7.095
3/24/96	21:25:12	0.177	21.76	6.987
3/24/96	21:25:13	0.1875	21.76	6.878
3/24/96	21:25:13	0.1985	21.77	6.708
3/24/96	21:25:14	0.2102	21.77	6.601
3/24/96	21:25:15	0.2227	21.77	6.484
3/24/96	21:25:16	0.2358	21.77	6.299
3/24/96	21:25:16	0.2498	21.78	6.161
3/24/96	21:25:17	0.2647	21.78	6.034
3/24/96	21:25:18	0.2803	21.78	5.863
3/24/96	21:25:19	0.297	21.78	5.743
3/24/96	21:25:20	0.3147	21.78	5.573
3/24/96	21:25:22	0.3333	21.78	5.446
3/24/96	21:25:23	0.3532	21.78	5.28
3/24/96	21:25:24	0.3742	21.78	5.155
3/24/96	21:25:25	0.3963	21.78	4.98
3/24/96	21:25:27	0.4198	21.79	4.858
3/24/96	21:25:28	0.4447	21.79	4.678
3/24/96	21:25:30	0.4697	21.79	4.544
3/24/96	21:25:31	0.4963	21.79	4.408
3/24/96	21:25:33	0.5247	21.8	4.274
3/24/96	21:25:35	0.5547	21.8	4.147
3/24/96	21:25:37	0.5863	21.8	4.032
3/24/96	21:25:39	0.6213	21.8	3.923
3/24/96	21:25:41	0.658	21.81	3.824
3/24/96	21:25:43	0.6963	21.81	3.73
3/24/96	21:25:46	0.738	21.82	3.672
3/24/96	21:25:48	0.7813	21.82	3.61
3/24/96	21:25:51	0.828	21.83	3.564
3/24/96	21:25:54	0.8763	21.84	3.529
3/24/96	21:25:57	0.928	21.84	3.487
3/24/96	21:26:00	0.983	21.84	3.453
3/24/96	21:26:04	1.0413	21.85	3.416
3/24/96	21:26:08	1.103	21.86	3.379
3/24/96	21:26:12	1.168	21.86	3.335
3/24/96	21:26:16	1.238	21.87	3.291
3/24/96	21:26:20	1.3113	21.87	3.245
3/24/96	21:26:25	1.3897	21.9	3.206

XMW-28 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
3/24/96	21:26:30	1.473	21.91	3.155
3/24/96	21:26:35	1.5613	21.91	3.111
3/24/96	21:26:41	1.6547	21.92	3.07
3/24/96	21:26:47	1.753	21.92	3.026
3/24/96	21:26:53	1.858	21.92	2.98
3/24/96	21:27:00	1.968	21.93	2.936
3/24/96	21:27:07	2.0847	21.94	2.892
3/24/96	21:27:14	2.2097	21.94	2.842
3/24/96	21:27:22	2.3413	21.95	2.793
3/24/96	21:27:30	2.4813	21.96	2.742
3/24/96	21:27:39	2.6297	21.97	2.694
3/24/96	21:27:49	2.7863	21.97	2.641
3/24/96	21:27:59	2.953	21.98	2.586
3/24/96	21:28:09	3.1297	22	2.533
3/24/96	21:28:20	3.3163	22	2.475
3/24/96	21:28:32	3.5147	22.02	2.422
3/24/96	21:28:45	3.7247	22.03	2.366
3/24/96	21:28:58	3.9463	22.04	2.309
3/24/96	21:29:12	4.1813	22.05	2.251
3/24/96	21:29:27	4.4297	22.07	2.196
3/24/96	21:29:43	4.693	22.08	2.138
3/24/96	21:30:00	4.973	22.08	2.085
3/24/96	21:30:18	5.2697	22.1	2.032
3/24/96	21:30:36	5.583	22.11	1.977
3/24/96	21:30:56	5.9147	22.11	1.928
3/24/96	21:31:17	6.2663	22.13	1.882
3/24/96	21:31:40	6.6397	22.14	1.829
3/24/96	21:32:04	7.0347	22.14	1.785
3/24/96	21:32:29	7.453	22.13	1.739
3/24/96	21:32:55	7.8963	22.13	1.698
3/24/96	21:33:23	8.3663	22.14	1.658
3/24/96	21:33:53	8.8647	22.13	1.617
3/24/96	21:34:25	9.3913	22.12	1.582
3/24/96	21:34:58	9.9497	22.13	1.541
3/24/96	21:35:34	10.5413	22.11	1.506
3/24/96	21:36:12	11.168	22.1	1.465
3/24/96	21:36:51	11.8313	22.1	1.432
3/24/96	21:37:34	12.5347	22.08	1.398
3/24/96	21:38:18	13.2797	22.06	1.365
3/24/96	21:39:06	14.0697	22.07	1.333
3/24/96	21:39:56	14.9063	22.05	1.301
3/24/96	21:40:49	15.7913	22.06	1.275
3/24/96	21:41:45	16.7297	22.06	1.248
3/24/96	21:42:45	17.723	22.03	1.215
3/24/96	21:43:48	18.7763	22.01	1.188
3/24/96	21:44:55	19.8913	21.98	1.155
3/24/96	21:46:06	21.073	21.96	1.128
3/24/96	21:47:21	22.3247	21.94	1.102
3/24/96	21:48:40	23.6497	21.91	1.079
3/24/96	21:50:05	25.0547	21.91	1.052

XMW-28 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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3/24/96	21:51:34	26.543	21.87	1.029
3/24/96	21:53:09	28.118	21.84	1.001
3/24/96	21:54:49	29.7863	21.81	0.978
3/24/96	21:56:35	31.5547	21.79	0.955
3/24/96	21:58:27	33.428	21.78	0.932
3/24/96	22:00:26	35.4113	21.76	0.909
3/24/96	22:02:32	37.513	21.74	0.89
3/24/96	22:04:46	39.7397	21.72	0.865
3/24/96	22:07:07	42.098	21.71	0.842
3/24/96	22:09:37	44.5963	21.71	0.823
3/24/96	22:12:16	47.243	21.71	0.8
3/24/96	22:15:04	50.0463	21.69	0.782
3/24/96	22:18:02	53.0147	21.69	0.759
3/24/96	22:21:11	56.1597	21.69	0.743
3/24/96	22:24:31	59.4913	21.69	0.719
3/24/96	22:28:03	63.0197	21.68	0.696
3/24/96	22:31:47	66.758	21.68	0.678
3/24/96	22:35:45	70.718	21.68	0.66
3/24/96	22:39:56	74.9113	21.68	0.639
3/24/96	22:44:23	79.3547	21.68	0.62
3/24/96	22:49:05	84.0613	21.68	0.597
3/24/96	22:54:04	89.0463	21.68	0.574
3/24/96	22:59:21	94.3263	21.68	0.56
3/24/96	23:04:57	99.9197	21.68	0.54
3/24/96	23:10:52	105.8447	21.68	0.516
3/24/96	23:17:09	112.1197	21.68	0.498
3/24/96	23:23:48	118.768	21.68	0.475
3/24/96	23:30:50	125.8097	21.69	0.459
3/24/96	23:38:18	133.268	21.7	0.44
3/24/96	23:46:12	141.168	21.71	0.422
3/24/96	23:54:34	149.5363	21.71	0.401
3/25/96	0:03:26	158.4013	21.74	0.387
3/25/96	0:12:49	167.7913	21.76	0.369
3/25/96	0:22:46	177.738	21.75	0.35
3/25/96	0:33:18	188.2747	21.75	0.334
3/25/96	0:44:28	199.4347	21.76	0.316
3/25/96	0:56:17	211.2563	21.76	0.297
3/25/96	1:08:48	223.778	21.77	0.274
3/25/96	1:22:04	237.043	21.78	0.258
3/25/96	1:36:07	251.093	21.78	0.24
3/25/96	1:51:00	265.9763	21.78	0.226
3/25/96	2:06:00	280.9763	21.78	0.203
3/25/96	2:21:00	295.9763	21.78	0.189
3/25/96	2:36:00	310.9763	21.79	0.177
3/25/96	2:51:00	325.9763	21.79	0.164
3/25/96	3:06:00	340.9763	21.79	0.145
3/25/96	3:21:00	355.9763	21.78	0.136
3/25/96	3:36:00	370.9763	21.78	0.127
3/25/96	3:51:00	385.9763	21.78	0.113
3/25/96	4:06:00	400.9763	21.77	0.104

XMW-28 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
3/25/96	4:21:00	415.9763	21.77	0.09
3/25/96	4:36:00	430.9763	21.76	0.078
3/25/96	4:51:00	445.9763	21.76	0.069
3/25/96	5:06:00	460.9763	21.76	0.064
3/25/96	5:21:00	475.9763	21.76	0.06
3/25/96	5:36:00	490.9763	21.76	0.055
3/25/96	5:51:00	505.9763	21.76	0.055
3/25/96	6:06:00	520.9763	21.75	0.051
3/25/96	6:21:00	535.9763	21.75	0.051
3/25/96	6:36:00	550.9763	21.75	0.051
3/25/96	6:51:00	565.9763	21.74	0.046
3/25/96	7:06:00	580.9763	21.74	0.051
3/25/96	7:21:00	595.9763	21.74	0.051
3/25/96	7:36:00	610.9763	21.74	0.051
3/25/96	7:51:00	625.9763	21.74	0.051
3/25/96	8:06:00	640.9763	21.74	0.046
3/25/96	8:21:00	655.9763	21.74	0.037
3/25/96	8:36:00	670.9763	21.73	0.032
3/25/96	8:51:00	685.9763	21.73	0.027
3/25/96	9:06:00	700.9763	21.73	0.027
3/25/96	9:21:00	715.9763	21.73	0.023
3/25/96	9:36:00	730.9763	21.73	0.023
3/25/96	9:51:00	745.9763	21.73	0.014
3/25/96	10:06:00	760.9763	21.72	0.009
3/25/96	10:21:00	775.9763	21.72	-0.005
3/25/96	10:36:00	790.9763	21.72	-0.009
3/25/96	10:51:00	805.9763	21.72	-0.019
3/25/96	11:06:00	820.9763	21.72	-0.028
3/25/96	11:21:00	835.9763	21.72	-0.037
3/25/96	11:36:00	850.9763	21.72	-0.046
3/25/96	11:51:00	865.9763	21.72	-0.053
3/25/96	12:06:00	880.9763	21.72	-0.067
3/25/96	12:21:00	895.9763	21.72	-0.072
3/25/96	12:36:00	910.9763	21.78	-0.081
3/25/96	12:51:00	925.9763	21.72	-0.095
3/25/96	13:06:00	940.9763	21.71	-0.099
3/25/96	13:21:00	955.9763	21.71	-0.113
3/25/96	13:36:00	970.9763	21.71	-0.113
3/25/96	13:51:00	985.9763	21.71	-0.118
3/25/96	14:06:00	1000.976	21.71	-0.118
3/25/96	14:21:00	1015.976	21.71	-0.127
3/25/96	14:36:00	1030.976	21.71	-0.132
3/25/96	14:51:00	1045.976	21.71	-0.136
3/25/96	15:06:00	1060.976	21.71	-0.146
3/25/96	15:21:00	1075.976	21.71	-0.148
3/25/96	15:36:00	1090.976	21.7	-0.15
3/25/96	15:51:00	1105.976	21.71	-0.152
3/25/96	16:06:00	1120.976	21.7	-0.152
3/25/96	16:21:00	1135.976	21.71	-0.162
3/25/96	16:36:00	1150.976	21.71	-0.166

XMW-28 Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O
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3/25/96	16:51:00	1165.976	21.7	-0.171
3/25/96	17:06:00	1180.976	21.7	-0.166
3/25/96	17:21:00	1195.976	21.7	-0.176
3/25/96	17:36:00	1210.976	21.7	-0.176
3/25/96	17:51:00	1225.976	21.7	-0.176
3/25/96	18:06:00	1240.976	21.7	-0.18
3/25/96	18:21:00	1255.976	21.73	-0.18
3/25/96	18:36:00	1270.976	21.71	-0.18
3/25/96	18:51:00	1285.976	21.69	-0.18
3/25/96	19:06:00	1300.976	21.7	-0.185
3/25/96	19:21:00	1315.976	21.69	-0.176
3/25/96	19:36:00	1330.976	21.69	-0.185
3/25/96	19:51:00	1345.976	21.69	-0.18
3/25/96	20:06:00	1360.976	21.7	-0.18
3/25/96	20:21:00	1375.976	21.69	-0.176
3/25/96	20:36:00	1390.976	21.69	-0.171
3/25/96	20:51:00	1405.976	21.69	-0.171
3/25/96	21:06:00	1420.976	21.69	-0.171
3/25/96	21:21:00	1435.976	21.69	-0.166

XDA-1B Recovery Data

IN_SITU INC.	TROLL				
Serial number:	613				
Unit name:	XDA-1B				
Report generated:	5/13/96	13:36:35			
Report from file:	C:\WINSITU\PUMPTE~1\XDA-1B\XDA1B-R.BIN				
Test name:	XDA-1B Recovery				
Test defined on:	5/3/96	9:47:22			
Test started on:	5/3/96	21:29:57			
Test stopped on:	N/A	N/A			
Test extracted on:	5/6/96	10:41:56			
Data gathered using Logarithmic testing					
Maximum time between data points: 15.0000	Minutes.				
Number of data samples:	385				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure/Level				
Channel name:	OnBoard Pressure				
Specific gravity:	1				
Mode:	TOC				
User-defined reference:	67.498	Feet H2O			
Referenced on:	test start				
Pressure head at reference:	109.239	Feet H2O			
			Channel[1]	Channel[2]	
Date	Time	ET (min)	Celsius	Feet H2O	
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5/3/96	21:29:57	0	22.31	67.498	
5/3/96	21:29:57	0.005	22.32	67.498	
5/3/96	21:29:57	0.01	22.32	67.498	
5/3/96	21:29:57	0.015	22.32	67.498	
5/3/96	21:29:58	0.02	22.33	67.48	
5/3/96	21:29:58	0.025	22.33	67.498	
5/3/96	21:29:58	0.03	22.34	67.512	
5/3/96	21:29:59	0.035	22.34	67.53	
5/3/96	21:29:59	0.04	22.34	67.512	
5/3/96	21:29:59	0.045	22.35	66.907	
5/3/96	21:30:00	0.05	22.35	66.94	
5/3/96	21:30:00	0.055	22.35	66.649	
5/3/96	21:30:00	0.06	22.35	66.525	
5/3/96	21:30:00	0.065	22.35	66.285	
5/3/96	21:30:01	0.07	22.36	66.045	
5/3/96	21:30:01	0.075	22.36	65.694	
5/3/96	21:30:01	0.08	22.37	65.15	

XDA-1B Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
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5/3/96	21:30:02	0.085	22.36	66.492	
5/3/96	21:30:02	0.09	22.36	66.156	
5/3/96	21:30:02	0.095	22.37	65.819	
5/3/96	21:30:03	0.1	22.37	65.533	
5/3/96	21:30:03	0.1058	22.37	65.293	
5/3/96	21:30:03	0.112	22.37	65.025	
5/3/96	21:30:04	0.1185	22.38	64.624	
5/3/96	21:30:04	0.1255	22.39	64.352	
5/3/96	21:30:04	0.1328	22.39	64.001	
5/3/96	21:30:05	0.1407	22.39	63.586	
5/3/96	21:30:05	0.149	22.42	62.917	
5/3/96	21:30:06	0.1578	22.42	62.534	
5/3/96	21:30:07	0.1672	22.42	62.119	
5/3/96	21:30:07	0.177	22.43	61.69	
5/3/96	21:30:08	0.1875	22.43	61.21	
5/3/96	21:30:08	0.1985	22.44	60.73	
5/3/96	21:30:09	0.2102	22.44	60.237	
5/3/96	21:30:10	0.2227	22.44	59.692	
5/3/96	21:30:11	0.2358	22.44	59.152	
5/3/96	21:30:11	0.2498	22.44	58.562	
5/3/96	21:30:12	0.2647	22.44	57.971	
5/3/96	21:30:13	0.2803	22.44	57.316	
5/3/96	21:30:14	0.297	22.44	56.629	
5/3/96	21:30:15	0.3147	22.44	55.942	
5/3/96	21:30:17	0.3333	22.44	55.208	
5/3/96	21:30:18	0.3532	22.44	54.442	
5/3/96	21:30:19	0.3742	22.45	53.626	
5/3/96	21:30:20	0.3963	22.44	52.781	
5/3/96	21:30:22	0.4198	22.45	51.905	
5/3/96	21:30:23	0.4447	22.45	50.978	
5/3/96	21:30:25	0.4697	22.46	50.069	
5/3/96	21:30:26	0.4963	22.46	49.128	
5/3/96	21:30:28	0.5247	22.46	48.122	
5/3/96	21:30:30	0.5547	22.46	47.116	
5/3/96	21:30:32	0.5863	22.45	46.06	
5/3/96	21:30:34	0.6213	22.46	44.911	
5/3/96	21:30:36	0.658	22.46	43.73	
5/3/96	21:30:38	0.6963	22.46	42.531	
5/3/96	21:30:41	0.738	22.46	41.285	
5/3/96	21:30:43	0.7813	22.46	40.007	
5/3/96	21:30:46	0.828	22.46	38.669	
5/3/96	21:30:49	0.8763	22.46	37.341	
5/3/96	21:30:52	0.928	22.46	35.952	
5/3/96	21:30:55	0.983	22.46	34.545	
5/3/96	21:30:59	1.0413	22.46	33.11	
5/3/96	21:31:03	1.103	22.46	31.657	
5/3/96	21:31:07	1.168	22.45	30.185	
5/3/96	21:31:11	1.238	22.46	28.686	
5/3/96	21:31:15	1.3113	22.46	27.182	
5/3/96	21:31:20	1.3897	22.45	25.664	

XDA-1B Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
5/3/96	21:31:25	1.473	22.45	24.146	
5/3/96	21:31:30	1.5613	22.45	22.647	
5/3/96	21:31:36	1.6547	22.45	21.143	
5/3/96	21:31:42	1.753	22.46	19.676	
5/3/96	21:31:48	1.858	22.45	18.223	
5/3/96	21:31:55	1.968	22.46	16.816	
5/3/96	21:32:02	2.0847	22.45	15.427	
5/3/96	21:32:09	2.2097	22.44	14.131	
5/3/96	21:32:17	2.3413	22.45	12.853	
5/3/96	21:32:25	2.4813	22.44	11.621	
5/3/96	21:32:34	2.6297	22.44	10.454	
5/3/96	21:32:44	2.7863	22.44	9.37	
5/3/96	21:32:54	2.953	22.45	8.364	
5/3/96	21:33:04	3.1297	22.45	7.437	
5/3/96	21:33:15	3.3163	22.44	6.574	
5/3/96	21:33:27	3.5147	22.44	5.79	
5/3/96	21:33:40	3.7247	22.44	5.089	
5/3/96	21:33:53	3.9463	22.44	4.461	
5/3/96	21:34:07	4.1813	22.44	3.922	
5/3/96	21:34:22	4.4297	22.44	3.442	
5/3/96	21:34:38	4.693	22.44	3.027	
5/3/96	21:34:55	4.973	22.44	2.69	
5/3/96	21:35:13	5.2697	22.42	2.367	
5/3/96	21:35:31	5.583	22.43	2.132	
5/3/96	21:35:51	5.9147	22.42	1.919	
5/3/96	21:36:12	6.2663	22.41	1.744	
5/3/96	21:36:35	6.6397	22.42	1.62	
5/3/96	21:36:59	7.0347	22.41	1.504	
5/3/96	21:37:24	7.453	22.44	1.426	
5/3/96	21:37:50	7.8963	22.42	1.347	
5/3/96	21:38:18	8.3663	22.42	1.297	
5/3/96	21:38:48	8.8647	22.41	1.25	
5/3/96	21:39:20	9.3913	22.42	1.218	
5/3/96	21:39:53	9.9497	22.41	1.172	
5/3/96	21:40:29	10.5413	22.41	1.154	
5/3/96	21:41:07	11.168	22.4	1.121	
5/3/96	21:41:46	11.8313	22.39	1.107	
5/3/96	21:42:29	12.5347	22.39	1.089	
5/3/96	21:43:13	13.2797	22.38	1.057	
5/3/96	21:44:01	14.0697	22.37	1.057	
5/3/96	21:44:51	14.9063	22.36	1.043	
5/3/96	21:45:44	15.7913	22.36	1.024	
5/3/96	21:46:40	16.7297	22.35	0.992	
5/3/96	21:47:40	17.723	22.34	0.978	
5/3/96	21:48:43	18.7763	22.33	0.96	
5/3/96	21:49:50	19.8913	22.33	0.946	
5/3/96	21:51:01	21.073	22.33	0.914	
5/3/96	21:52:16	22.3247	22.32	0.914	
5/3/96	21:53:35	23.6497	22.32	0.895	
5/3/96	21:55:00	25.0547	22.32	0.881	

XDA-1B Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
5/3/96	21:56:29	26.543	22.31	0.863	
5/3/96	21:58:04	28.118	22.31	0.849	
5/3/96	21:59:44	29.7863	22.32	0.849	
5/3/96	22:01:30	31.5547	22.31	0.817	
5/3/96	22:03:22	33.428	22.32	0.803	
5/3/96	22:05:21	35.4113	22.31	0.803	
5/3/96	22:07:27	37.513	22.31	0.784	
5/3/96	22:09:41	39.7397	22.3	0.771	
5/3/96	22:12:02	42.098	22.3	0.752	
5/3/96	22:14:32	44.5963	22.3	0.738	
5/3/96	22:17:11	47.243	22.3	0.72	
5/3/96	22:19:59	50.0463	22.3	0.706	
5/3/96	22:22:57	53.0147	22.3	0.706	
5/3/96	22:26:06	56.1597	22.3	0.674	
5/3/96	22:29:26	59.4913	22.3	0.674	
5/3/96	22:32:58	63.0197	22.3	0.655	
5/3/96	22:36:42	66.758	22.3	0.641	
5/3/96	22:40:40	70.718	22.3	0.641	
5/3/96	22:44:51	74.9113	22.29	0.623	
5/3/96	22:49:18	79.3547	22.3	0.609	
5/3/96	22:54:00	84.0613	22.3	0.595	
5/3/96	22:58:59	89.0463	22.29	0.591	
5/3/96	23:04:16	94.3263	22.28	0.577	
5/3/96	23:09:52	99.9197	22.29	0.563	
5/3/96	23:15:47	105.8447	22.3	0.545	
5/3/96	23:22:04	112.1197	22.29	0.531	
5/3/96	23:28:43	118.768	22.29	0.531	
5/3/96	23:35:45	125.8097	22.3	0.512	
5/3/96	23:43:13	133.268	22.29	0.498	
5/3/96	23:51:07	141.168	22.28	0.48	
5/3/96	23:59:29	149.5363	22.29	0.466	
5/4/96	0:08:21	158.4013	22.28	0.466	
5/4/96	0:17:44	167.7913	22.28	0.448	
5/4/96	0:27:41	177.738	22.28	0.448	
5/4/96	0:38:13	188.2747	22.28	0.434	
5/4/96	0:49:23	199.4347	22.28	0.415	
5/4/96	1:01:12	211.2563	22.28	0.415	
5/4/96	1:13:43	223.778	22.28	0.402	
5/4/96	1:26:59	237.043	22.28	0.383	
5/4/96	1:41:02	251.093	22.29	0.383	
5/4/96	1:55:55	265.9763	22.28	0.369	
5/4/96	2:10:55	280.9763	22.28	0.351	
5/4/96	2:25:55	295.9763	22.28	0.355	
5/4/96	2:40:55	310.9763	22.27	0.337	
5/4/96	2:55:55	325.9763	22.28	0.337	
5/4/96	3:10:55	340.9763	22.27	0.323	
5/4/96	3:25:55	355.9763	22.28	0.323	
5/4/96	3:40:55	370.9763	22.28	0.323	
5/4/96	3:55:55	385.9763	22.27	0.323	
5/4/96	4:10:55	400.9763	22.28	0.305	

XDA-1B Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
5/4/96	4:25:55	415.9763	22.28	0.291	
5/4/96	4:40:55	430.9763	22.28	0.291	
5/4/96	4:55:55	445.9763	22.28	0.291	
5/4/96	5:10:55	460.9763	22.28	0.291	
5/4/96	5:25:55	475.9763	22.27	0.291	
5/4/96	5:40:55	490.9763	22.28	0.272	
5/4/96	5:55:55	505.9763	22.27	0.272	
5/4/96	6:10:55	520.9763	22.27	0.272	
5/4/96	6:25:55	535.9763	22.27	0.259	
5/4/96	6:40:55	550.9763	22.27	0.259	
5/4/96	6:55:55	565.9763	22.27	0.259	
5/4/96	7:10:55	580.9763	22.27	0.259	
5/4/96	7:25:55	595.9763	22.27	0.259	
5/4/96	7:40:55	610.9763	22.27	0.259	
5/4/96	7:55:55	625.9763	22.27	0.259	
5/4/96	8:10:55	640.9763	22.27	0.259	
5/4/96	8:25:55	655.9763	22.27	0.259	
5/4/96	8:40:55	670.9763	22.27	0.259	
5/4/96	8:55:55	685.9763	22.27	0.259	
5/4/96	9:10:55	700.9763	22.27	0.259	
5/4/96	9:25:55	715.9763	22.27	0.259	
5/4/96	9:40:55	730.9763	22.28	0.259	
5/4/96	9:55:55	745.9763	22.28	0.259	
5/4/96	10:10:55	760.9763	22.27	0.24	
5/4/96	10:25:55	775.9763	22.27	0.259	
5/4/96	10:40:55	790.9763	22.27	0.259	
5/4/96	10:55:55	805.9763	22.27	0.259	
5/4/96	11:10:55	820.9763	22.27	0.259	
5/4/96	11:25:55	835.9763	22.28	0.259	
5/4/96	11:40:55	850.9763	22.27	0.259	
5/4/96	11:55:55	865.9763	22.27	0.259	
5/4/96	12:10:55	880.9763	22.28	0.24	
5/4/96	12:25:55	895.9763	22.27	0.259	
5/4/96	12:40:55	910.9763	22.27	0.24	
5/4/96	12:55:55	925.9763	22.27	0.259	
5/4/96	13:10:55	940.9763	22.27	0.24	
5/4/96	13:25:55	955.9763	22.27	0.24	
5/4/96	13:40:55	970.9763	22.27	0.259	
5/4/96	13:55:55	985.9763	22.27	0.24	
5/4/96	14:10:55	1000.976	22.27	0.259	
5/4/96	14:25:55	1015.976	22.27	0.259	
5/4/96	14:40:55	1030.976	22.26	0.24	
5/4/96	14:55:55	1045.976	22.26	0.24	
5/4/96	15:10:55	1060.976	22.27	0.24	
5/4/96	15:25:55	1075.976	22.27	0.24	
5/4/96	15:40:55	1090.976	22.27	0.24	
5/4/96	15:55:55	1105.976	22.27	0.24	
5/4/96	16:10:55	1120.976	22.27	0.24	
5/4/96	16:25:55	1135.976	22.27	0.24	
5/4/96	16:40:55	1150.976	22.27	0.226	

XDA-1B Recovery Data

Date	Time	ET (min)	Celsius	Feet H2O	
---	---	---	---	---	
5/4/96	16:55:55	1165.976	22.27	0.226	
5/4/96	17:10:55	1180.976	22.26	0.226	
5/4/96	17:25:55	1195.976	22.27	0.226	
5/4/96	17:40:55	1210.976	22.27	0.24	
5/4/96	17:55:55	1225.976	22.27	0.24	
5/4/96	18:10:55	1240.976	22.27	0.226	
5/4/96	18:25:55	1255.976	22.27	0.226	
5/4/96	18:40:55	1270.976	22.27	0.226	
5/4/96	18:55:55	1285.976	22.27	0.226	
5/4/96	19:10:55	1300.976	22.27	0.226	
5/4/96	19:25:55	1315.976	22.27	0.208	
5/4/96	19:40:55	1330.976	22.27	0.226	
5/4/96	19:55:55	1345.976	22.27	0.208	
5/4/96	20:10:55	1360.976	22.27	0.208	
5/4/96	20:25:55	1375.976	22.27	0.208	
5/4/96	20:40:55	1390.976	22.27	0.208	
5/4/96	20:55:55	1405.976	22.27	0.208	
5/4/96	21:10:55	1420.976	22.27	0.208	
5/4/96	21:25:55	1435.976	22.27	0.208	

APPENDIX I

I.3.2.3 Accuracy

Laboratory control spikes were performed at the required frequency using the concentrations and conditions specified for the various analytical methods. The recovery criteria for each spiked compound is specified in the QAPjP. QC criteria established in QAPjP were used to evaluate accuracy. For the 1994 Groundwater Monitoring Program, more than 98 percent of the data were determined to be accurate.

The percent recovery of each spiking compound was calculated and compared to the required QC limits. Evaluation of the results for laboratory control spikes show the laboratory analytical system to be in control for most target analytes. For data collected during this sampling event, less than one percent of the total individual analytical results were qualified as estimated due to failure of the laboratory control sample to meet acceptance criteria. These qualified data are provided in Appendix G.

Surrogate spikes were performed for compounds analyzed for organic compound analyses in accordance with the method. Most surrogate recoveries were within the QC acceptance criteria. For data collected during this sampling event, less than one percent of the total individual analytical results were qualified as estimated due to surrogate recovery failure in the associated samples. These qualified data are provided in Appendix G.

Sample matrix spikes were performed using concentrations and conditions specified by the analytical method. The QAPjP specifies the recovery criteria for each spiked compound. The percent recovery of each spiking compound was calculated and compared to the acceptance limits outlined in the QAPjP. In addition, the RPD between recoveries was calculated. The results for sample matrix spikes indicate acceptable analyte recovery demonstrating the laboratory analytical system to be in control. Less than one percent of the total individual analytical results were qualified based on MS/MSD recovery failure. These qualified data are provided in Appendix G.

I.3.2.4 Representativeness

One hundred thirty-one trip blank samples and eight field equipment blanks were collected and analyzed during the 1994 Groundwater Monitoring Program. With the exception of the few cases noted below, these QC blanks were found to be free of analyte contamination.

Laboratory method blanks were analyzed at the required frequency for the various analytical methods. Methylene chloride and acetone are solvents commonly used in laboratory environments during extraction of water, soil, or solid waste for organic compounds. As such, these compounds can be detected in the VOC analyses.

Levels of methylene chloride (0.12 μg/L - 210 μg/L) were reported in some QC blanks and identified as a laboratory contaminant. Data associated with these blanks have been appropriately qualified as not detected (U) to indicate bias introduced by the analytical process (see Appendix G). Only those results less than ten times the concentration found in the assocated QC blank were qualified.

Random occurrences of contamination associated with these QC blanks were identified, including benzene, naphthalene, carbon disulfide and methyl ethyl ketone which were detected at concentrations near the analytical reporting limit. These detections could result from a number of factors including laboratory glassware, sample preparation procedures, or carry-over during analyses. Primary sample results associated with these blank contaminants have been flagged not detected (U) to indicate bias introduced by the analytical process (see Appendix G). Only those results less than five times the concentration found in the associated QC blank were qualified.

I.3.2.5 Comparability

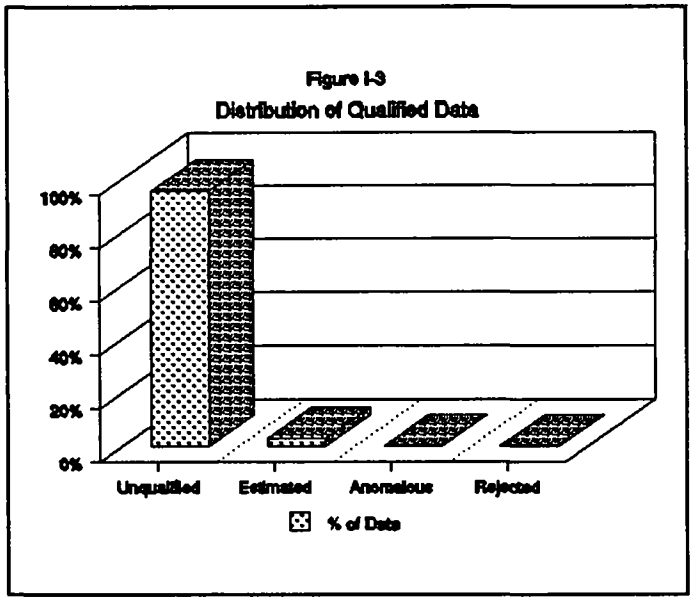
The analyses were conducted in accordance with the procedures outlined in the QAPjP. Laboratory reporting limits met the guidelines established in the workplan for those parameters not detected in the samples. The comparability objective for this phase of the program was achieved.

I.3.3 GROUNDWATER MONITORING, 1995

The following sections discuss the results of the groundwater analyses for the 1995 Groundwater Monitoring Program and provide an evaluation of the PARCC goals.

I.3.3.1 Completeness of Scheduled Analyses

Two hundred ninety-three field samples were collected and submitted to the laboratory for analyses. Data results were received from the laboratory for all samples scheduled for analyses. More than 99% of the results reported are valid. There were few qualifications identified in the quality control data. Out of approximately 31,721 individual analytical results (both detected and nondetected), 1,392 results were qualified. Of those data qualified, only 41 results were qualified as rejected. The completeness objectives for this phase of the program were achieved. Figure I-2, below, presents the distribution of qualified data for the 1995 Groundwater Monitoring Program.



I.3.3.2 Precision

Blind duplicate samples were collected from 32 locations during the 1995 Groundwater Monitoring Program. All of the blind duplicates were analyzed for the same analytical parameters as the associated primary samples, yielding 23 duplicate pairs containing a positive analyte detection in both the primary and duplicate samples. The site locations and associated primary and duplicate sample identifications are presented in Table I-6.

The difference between the results of field duplicate pairs was evaluated during the validation process. Some data were indicative of significant bias and consequently, qualified. These qualified results from blind duplicate analyses are shown in Table I-4. Although results revealed some variability in the measurement process for some target analytes such as 1,2-dichloroethane, tetrachloroethane and chloromethane, these data were consistent with historical ranges. Overall, evaluation of the blind field duplicate pairs indicates acceptable precision, and that field and laboratory techniques employed for the 1995 Groundwater Monitoring Program were appropriate. For those analytes listed in Table I-4, the reproted primary sample concentrations were determined to be appropriate based on comparison to historical results.

I.3.3.3 Accuracy

Laboratory control spikes were performed at the required frequency using the concentrations and conditions specified for the various analytical methods. The recovery criteria for each spiked compound is specified in the QAPjP. QC criteria established in QAPjP were used to evaluate accuracy. For the 1995 Groundwater Monitoring Program, more than 96 percent of the data were determined to be accurate.

The percent recovery of each spiking compound was calculated and compared to the required QC limits. Evaluation of the results for laboratory control spikes show the laboratory analytical system to be in control for most target analytes. For data collected during this sampling event, less than one percent of the total individual analytical results were qualified as estimated due to failure of the laboratory control sample to meet acceptance criteria. These qualified data are provided in Appendix G.

Surrogate spikes were performed for compounds analyzed for organic compound analyses in accordance with the method. Most surrogate recoveries were within the QC acceptance criteria. For data collected during this sampling event, two percent of the total individual analytical results were qualified as estimated due to surrogate recovery failure in the associated samples. These qualified data are provided in Appendix G.

Sample matrix spikes were performed using concentrations and conditions specified by the analytical method. The QAPjP specifies the recovery criteria for each spiked compound. The percent recovery of each spiking compound was calculated and compared to the acceptance limits outlined in the QAPjP. In addition, the RPD between recoveries was calculated. The results for sample matrix spikes indicate acceptable analyte recovery demonstrating the laboratory analytical system to be in control. Less than one percent of the total individual analytical results

TABLE I-7
PRIMARY AND DUPLICATE SAMPLE PAIRS
1996 GROUNDWATER MONITORING

Site Locations for Duplicates	Primary Sample Identification(s)	Associated Duplicate Identification(s)
XG-09	GWS01456	GWS01500
XG-12	GWS01458	GWS01501
XMW-26	GWS01494	GWS01503
XMW-13	GWS01472	GWS01492
SWL0022	GWS01407	GWS01505
PZL0011	GWS01378	GWS01499
PZL0012	GWS01379	GWS01497
SWL0043	GWS01427	GWS01506
SWL0040	GWS01424	GWS01511
XG-02WC	GWS01451	GWS01496
PZL0025	GWS01387	GWS01498
SWL0058	GWS01489	GWS01509
PZL0014	GWS01380	GWS01495
SWL0048	GWS01432	GWS01502
XDA-1B	GWS01449	GWS01507
SWL0050	GWS01434	GWS01510
SWL0055	GWS01486	GWS01508

TABLE I-6
PRIMARY AND DUPLICATE SAMPLE PAIRS
1995 GROUNDWATER MONITORING

Site Locations for Duplicates	Primary Sample Identification(s)	Associated Duplicate Identification(s)
SWL0018	GWS01023	GWS01030
SWL0031	GWS01028	GWS01031
PZL0018	GWS01017	GWS01029
SWL0041	GWS01065	GWS01026
PZL0025	GWS01048	GWS01072
XMW-23	GWS01086	GWS01087
XG-09	GWS01108	GWS01111
XMW-29	GWS01096	GWS01097
	GWS01223	GWS01332
XMW-13	GWS01101	GWS01102
PZL00003	GWS01123	GWS01124
SWL0014	GWS01158	GWS01159
XP-02	GWS01136	GWS01137
SWL0043	GWS01170	GWS01171
SWL0035	GWS01167	GWS01153
XMW-04HD	GWS01152	GWS01153
SWL0002	GWS01197	GWS01198
SWL0041	GWS01193	GWS01122
XBF-05	GWS01221	GWS01331
XG-04	GWS01329	GWS01338
XMW-28	GWS01230	GWS01333
XG-06	GWS01242	GWS01339
	GWS01256	GWS01335
SWL0010	GWS01277	GWS01341
SWL0027	GWS01294	GWS01345
PZL0022	GWS01252	GWS01334
SWL0011	GWS01278	GWS01342
PZL0006	GWS01349	GWS01336
XMW-01T	GWS01267	GWS01337
SWL0006	GWS01276	GWS01340
SWL0004	GWS01318	GWS01347
SWL0020	GWS01282	GWS01343
SWL0031	GWS01287	GWS01344
SWL0050	GWS01327	GWS01346

TABLE I-5
PRIMARY AND DUPLICATE SAMPLE PAIRS
1994 GROUNDWATER MONITORING

Site Locations for Duplicates	Primary Sample Identification(s)	Associated Duplicate Identification(s)
PZL0004	GWS00533	GWS00534
SWL0023	GWS00589	GWS00590
XBF-07	GWS00597	GWS00598
SWL0029	GWS00607	GWS00608
SWL0003	GWS00553	GWS00554
XMW-13	GWS00571	GWS00572
XG-09	GWS00613	GWS00614
XBF-13	GWS00599	GWS00600
PZL0024	GWS00642	GWS00643
SWL0040	GWS00646	GWS00665
PZL0025	GWS00697	GWS00708
SWL0035	GWS00715	GWS00716
XMW-30	GWS00752	GWS00753
XMW-28	GWS00771	GWS00777
XBF-13	GWS00765	GWS00775
PZL0010	GWS00805	GWS00806
SWL0013	GWS00827	GWS00828
XMW-04HD	GWS00823	GWS00824
	GWS00948	GWS00955
SWL0033	GWS00519	GWS00520
XBF-05	GWS00837	GWS00838
XMW-13	GWS00845	GWS00846
XG-09	GWS00853	GWS00854
SWL0020	GWS00908	GWS00903
PZL0022	GWS00900	GWS00901
SWL0033	GWS00967	GWS00968

TABLE I-4
QUALITY CONTROL EVALUATION
FIELD DUPLICATE RESULTS

Sampling Event	Field Duplicate Location	Analyte	Primary Sample	Duplicate Sample	RPD[1]
Phase I					
	CLW0014	Calcium Manganese	50 mg/L 0.11 mg/L	160 mg/L 0.74 mg/L	105 % 149%
1994 Groundwater Monitoring					
	SWL0033	Conductivity	960 uohms	190 uohms	134 %
	XBF-06	Benzene	<5 µg/L	48 µg/L	NC
	XMW-04	4-Chloroaniline	6 µg/L	50 µg/L	157 %
	XMW-13	1,2,4-Trimethylbenzene	1500 µg/L	<500 µg/L	NC
	PZL0010	c-1,2-Dichloroethene	<1 µg/L	48 µg/L	NC
	SWL0003	Chloromethane	<30 µg/L	260 µg/L	NC
1995 Groundwater Monitoring					
	SWL0006	Methane	13 µg/L	<2 µg/L	NC
	XP-02	Chloromethane	<1 µg/L	12 µg/L	NC
	SWL0041	PCBSA	5.6 µg/L	0.41 µg/L	173 %
	SWL0050	1,2-Dichloroethane	<5 µg/L	48 µg/L	NC
	XMW-13	Tetrachloroethene	<30 µg/L	90 µg/L	NC
	XMW-29	Bromide Ion Balance	0.32 µg/L 1.63	1.3 µg/L 0.03	108 % 193 %
	SWL0027	Chloromethane	<1 µg/L	12 µg/L	NC
1996 Groundwater Monitoring[2]					
	XMW-13	1,3,5-Trimethylbenzene	<100 µg/L	830 µg/L	NC
	PZL0025	Benzene Ethylbenzene	9600 µg/L <100 µg/L	26000 µg/L 670 µg/L	92 % NC

NC = Not calculated since one analyte pair showed no associated detection.
1 - Relative Percent Difference
2 - First sampling event only.

TABLE I-3
PRIMARY AND SECONDARY DUPLICATE SAMPLE PAIRS
PHASE 1 GROUNDWATER RI

Site Locations for Duplicates	Primary Sample Identification(s)	Associated Duplicate Identification(s)
CWL0014	GWS00021	GWS00024
	GWS00014	GWS00020
	GWS00013	GWS00022
	GWS00018	GWS00015
	GWS00016	GWS00017
	GWS00012	GWS00019
CWL0016	GWS00031	GWS00036
	GWS00032	GWS00037
	GWS00035	GWS00040
CWL0017	GWS00041	GWS00046
	GWS00042	GWS00047
CWL0018	GWS00061	GWS00056
	GWS00062	GWS00067
CWL0020	GWS00071	GWS00081
CWL17,18	GWS00053	GWS00091
	GWS00054	GWS00092
	GWS00055	GWS00093
CWL0020	GWS00072	GWS00082
CWL0019	GWS00087	GWS00097
	GWS00086	GWS00096
CWL19,20	GWS00010	GWS00077
	GWS00025	GWS00078
	GWS00076	GWS00079
XBF-05	GWS00101	GWS00103
	GWS00102	GWS00104
XG-17	GWS00174	GWS00121
	GWS00175	GWS00122
	GWS00171	GWS00183
	GWS00172	GWS00184
	GWS00173	GWS00185
CWL0044	GWS00215	GWS00190
CWL0047	GWS00295	GWS00296
SWL0008	GWS00316	GWS00317

TABLE I-3 (Cont'd)

Site Locations for Duplicates	Primary Sample Identification(s)	Associated Duplicate Identification(s)
PZL0011	GWS00331	GWS00333
	GWS00332	GWS00334
PZL0017	GWS00344	GWS00345
SWL0007	GWS00336	GWS00347
	GWS00337	GWS00348
	GWS00338	GWS00349
	GWS00339	GWS00350
	GWS00340	GWS00351
	GWS00346	GWS00352
PZL0018	GWS00358	GWS00363
	GWS00359	GWS00364
	GWS00360	GWS00365
XMW-03HD	GWS00367	GWS00373
	GWS00368	GWS00374
	GWS00369	GWS00375
	GWS00372	GWS00378
	GWS00371	GWS00377
	GWS00370	GWS00376
SWL0012	GWS00390	GWS00391
SWL0013	GWS00404	GWS00405
SWL0017	GWS00447	GWS00453
	GWS00448	GWS00454
	GWS00449	GWS00455
SWL0017	GWS00450	GWS00456
	GWS00451	GWS00457
	GWS00452	GWS00458
SWL0001	GWS00466	GWS00467
SWL0018	GWS00482	GWS00483
SWL0022	GWS00495	GWS00496

TABLE I-2

DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY

DATA QUALIFER DEFINITIONS

The following data qualifiers are based on definitions presented in EPA National Functional Guidelines (EPA, 1994a).

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

DATA QUALIFIER DEFINITIONS — REASON CODE DEFINITIONS

The following reason code definitions were developed by Dames & Moore's data review team to provide an explanation of data qualification.

b	Associated blank contamination
c	Calibration failure; poor or unstable response.
d	Laboratory/field duplicate imprecision.
f	No confirmation column present (GC Organics only).
h	Holding time violation.
i	Internal standard failure.
k	Matrix spike/matrix spike duplicate recovery failure.
l	Laboratory control sample recovery failure.
m	Poor chromatography.
n	Gross compound breakdown (4,4'DDT/Endrin).
o	Analytical sequence deficiency or omission.
q	Quantitation cannot be verified.
s	Surrogate spike recovery failure.

INTERPRETATION KEY

The following example shows how an analytical result which includes qualifiers assigned by the Dames & Moore data review team is displayed in the data tables:

<5.20 Ub

The qualifier assigned by the data review team follows the analytical result. In this example, the result is qualified as a non-detection due to the bias introduced by contamination of the associated method blank. The qualifier assigned by the Dames & Moore data review team (Ub) indicates that the analyte concentration is considered to be below the adjusted detection limit (quantitation limit) based on the level of contamination in the method blank.

TABLE I-1
SUMMARY OF ANALYTICAL METHODS
FOR GROUNDWATER RI

Parameter	Method
Volatile Organics	EPA 8240/8260
Semivolatile Organics	EPA 8270
Pesticides/PCBs	EPA 8080
Metals	EPA 6010/7000 series
Mercury	EPA 245.1
Specific Conductivity	EPA 120.1
pH	EPA 150.1
TDS	EPA 160.1
Ion Balance	SM
Anions Br, Cl, Nitrate(as NO_3), Nitrate (as N), NO_2, Sulfate, Orthophosphate	EPA 300.0
p-CBSA	EPA 300.0
Alkalinity Bicarbonate Carbonate Hydroxide Alkalinity Total Alkalinity	EPA 310.1
1,2-Dibromoethane (EDB)	EPA 504
Surfactants (MBAS)	EPA 425.1
Halogenated VOCs	EPA 8010
Aromatic VOCs	EPA 8020
TPH as gasoline	EPA 8015M
TPH as diesel	EPA 8015M
Methane	Laboratory SOP

Validation discrepancies identified during the Groundwater RI included equipment calibration failure, surrogate recovery problems, matrix biases and holding time violations. The majority of the data associated with these anomalies have been flagged as estimated or not detected. Generally, such flags do not render the data unusable for their intended purpose. For samples analyzed outside of the required holding time, data have been evaluated with respect to historical data. A missed holding time suggests that a loss of analyte may have occurred; however, the findings for the affected samples are consistent with historical data.

There were few qualifications identified in the quality control data. More than 95% of the data were valid, satisfying the DQOs established for this program. Rejected data were not used to evaluate site conditions during the Groundwater RI. Other data collected during the Groundwater RI sampling are considered valid as qualified and useable for the intended purpose.

I.5 REFERENCES

EPA, 1994a. EPA Contract Laboratory Program National Functional Guidelines for Organic and Inorganic Data Review. Office of Emergency and Remedial Response. Washington, D.C.

EPA, 1994b. Test methods for the Evaluation of Solid Waste, Physical/Chemical Methods, Third Edition (including updates I and II), SW-846. Washington, D.C.

I.3.4.3 Accuracy

Laboratory control spikes were performed at the required frequency using the concentrations and conditions specified for the various analytical methods. The recovery criteria for each spiked compound is specified in the QAPjP. QC criteria established in QAPjP were used to evaluate accuracy. For the first quarter, 1996 Groundwater Monitoring Program, more than 98 percent of the data were determined to be accurate.

The percent recovery of each spiking compound was calculated and compared to the required QC limits. Evaluation of the results for laboratory control spikes show the laboratory analytical system to be in control for most target analytes. For data collected during this sampling event, less than one percent of the total individual analytical results were qualified as estimated due to failure of the laboratory control sample to meet acceptance criteria. These qualified data are provided in Appendix G.

Surrogate spikes were performed for compounds analyzed for organic compound analyses in accordance with the method. Most surrogate recoveries were within the QC acceptance criteria. For data collected during this sampling event, less than one percent of the total individual analytical results were qualified as estimated due to surrogate recovery failure in the associated samples. These qualified data are provided in Appendix G.

Sample matrix spikes were performed using concentrations and conditions specified by the analytical method. The QAPjP specifies the recovery criteria for each spiked compound. The percent recovery of each spiking compound was calculated and compared to the acceptance limits outlined in the QAPjP. In addition, the RPD between recoveries was calculated. Evaluation of the results for sample matrix spikes indicate acceptable analyte recovery demonstrating the laboratory analytical system to be in control. Less than one percent of the total individual analytical results were qualified based on MS/MSD recovery failure. These qualified data are provided in Appendix G.

I.3.4.4 Representativeness

Forty-three trip blank samples were collected and analyzed during this first sampling event of the 1996 Groundwater Monitoring Program. With the exception of the few cases noted below, these QC blanks were found to be free of analyte contamination. No field equipment blanks were collected since only dedicated sampling equipment was utilized.

Laboratory method blanks were analyzed at the required frequency for the various analytical methods. Methylene chloride and acetone are solvents commonly used in laboratory environments during extraction of water, soil, or solid waste for organic compounds. As such, these compounds can be detected in the VOC analyses.

Levels of methylene chloride (0.11 μg/L - 10 μg/L) and acetone (12 μg/L) were reported in some QC blanks and identified as a laboratory contaminant. Data associated with these blanks have been appropriately qualified as not detected (U) to indicate bias introduced by the analytical process (see Appendix G). Only those results less than ten times the concentration found in the associated QC blank were qualified.

Random occurrences of contamination associated with these QC blanks were identified, including toluene, xylenes, chloromethane and methyl ethyl ketone which were detected at concentrations near the analytical reporting limit. These detections could result from a number of factors including laboratory glassware, sample preparation procedures, or carry-over during analyses. Primary sample results associated with these blank contaminants have been flagged not detected (U) to indicate bias introduced by the analytical process (see Appendix G). Only those results less than five times the concentration found in the associated QC blank were qualified.

I.3.4.5 Comparability

The analyses were conducted in accordance with the procedures outlined in the QAPjP. Laboratory reporting limits met the guidelines established in the workplan for those parameters not detected in the samples. The comparability objective for this phase of the program was achieved.

I.4 SUMMARY

Samples collected during the Groundwater Remedial Investigation were analyzed and validated according to criteria established in the program QAPjP. Included in the QAPjP are sections identifying quality control sample collection requirements and specific DQOs for the measurement data. Data are evaluated and compared to these quality goals through data validation.

were qualified based on MS/MSD recovery failure. These qualified data are provided in Appendix G.

I.3.3.4 Representativeness

One hundred trip blank samples and two field equipment blanks were collected and analyzed during the 1995 Groundwater Monitoring Program. Typically, these QC blanks were found to be free of analyte contamination.

I.3.3.5 Comparability

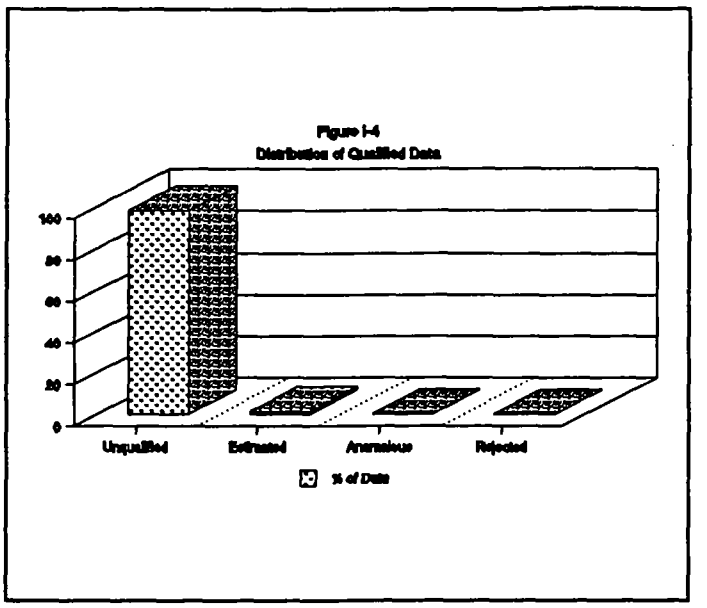
The analyses were conducted in accordance with the procedures outlined in the QAPjP. Laboratory reporting limits met the guidelines established in the workplan for those parameters not detected in the samples. The comparability objective for this phase of the program was achieved.

I.3.4 GROUNDWATER MONITORING, FIRST QUARTER 1996

The following sections discuss the results of the groundwater analyses for the first quarter of 1996 Groundwater Monitoring Program and provide an evaluation of the PARCC goals.

I.3.4.1 Completeness of Scheduled Analyses

One hundred twenty-five field samples were collected and submitted to the laboratory for analyses. Data results were received from the laboratory for all samples scheduled for analyses. One hundred percent of the results reported are valid. There were few qualifications identified in the quality control data. Out of approximately 13,692 individual analytical results (both detected and nondetected), 223 results were qualified. Of those data qualified, no results were qualified as rejected. The completeness objectives for this phase of the program were achieved. Figure I-4, below, presents the distribution of qualified for the first quarter, 1996 Groundwater Monitoring Program.



I.3.4.2 Precision

Blind duplicate samples were collected from 17 locations during the sampling event. All of the blind duplicates were analyzed for the same analytical parameters as the primary, yielding 17 duplicate pairs containing a positive analyte detection in both the primary and duplicate samples. The site locations and associated primary and duplicate sample identifications are presented in Table I-7.

The difference between the results of field duplicate pairs was evaluated during the validation process. Few data were indicative of significant bias and consequently, qualified. These qualified results from blind duplicate analyses are shown in Table I-4. Although results revealed some variability in the measurement process for some target analytes such as benzene, ethylbenzene and 1,3,5-trimethylbenzene, these data were consistent with historical ranges. Overall, evaluation of the blind field duplicate pairs indicates acceptable precision, and that field and laboratory techniques employed for the 1996 Groundwater Monitoring Program were appropriate. For those analytes listed in Table I-4, the reported primary sample concentrations were determined to be appropriate based on comparison to historical results.

APPENDIX I

DATA QUALITY ASSESSMENT
GROUNDWATER REMEDIAL INVESTIGATION
DEL AMO STUDY AREA

APPENDIX I

DATA QUALITY ASSESSMENT
GROUNDWATER REMEDIAL INVESTIGATION
DEL AMO STUDY AREA

Data validation was performed on analytical results received from BC Analytical Laboratory in Glendale, California for samples collected as part of the Groundwater Remedial Investigation performed at the Del Amo study area in Torrance, California. As stated in Section 2, below, the purpose of data validation is to verify that the data meet groundwater analytical data quality objectives (DQOs) and quality assurance criteria required for the program as set forth in the Quality Assurance Project Plan (QAPjP) (Dames & Moore, 1993a). These criteria are expressed as precision, accuracy, representativeness, comparability and completeness (PARCC).

This appendix describes the methods and presents the results of the data validation. Section I.1 presents the criteria used to review the DQOs for each PARCC parameter. Section I.2 summarizes the data validation procedures. Data validation results in relation to the PARCC parameters are discussed in Section I.3, and summarized in Section I.4. Analytical data results for all primary samples collected as part of the Groundwater RI are provided on electronic diskette in Appendix G3.

Overall, the groundwater analytical data quality objectives were achieved. The results of the data validation indicate that more than 95 percent of the data generated during the Groundwater RI are accurate and representative, are able to withstand scientific and legal scrutiny, and are useful for evaluating site conditions and remedial alternatives.

I.1 QUALITY ASSURANCE CRITERIA

The two general categories of data are defined as (1) screening data and (2) definitive data. field screening for volatile organic compounds using gas chromatography was performed as part of the Groundwater RI. Results from the field screening are presented in Appendix G. Field screening data were used to direct field activities and provide general information regarding field conditions. Screening data were not subjected to data validation.

Definitive data are generated using rigorous analytical methods, such as approved EPA or American Society for Testing and Materials (ASTM) reference methods. Definitive data are analyte specific, and both identification and quantification are confirmed. These methods have standardized quality control (QC) and documentation requirements. During the Groundwater RI, definitive data were generated by BC Analytical Laboratory and subsequently subjected to data validation to determine usability. Definitive data were not restricted in their use unless quality problems resulted in data qualification. Generally, such flags do not render the data unusable. Data determined to be rejected as a result of data validation were not used to evaluate site conditions during the Groundwater RI.

Definitive samples collected during the Groundwater RI program were analyzed and validated according to criteria established in the program's QAPjP. Included in the QAPjP are sections identifying quality control sample collection requirements and specific quality assurance (QA) goals for the measurement data. These QA goals, or DQOs, are quantitative and qualitative statements that specify the quality of data used to support project decisions, and are expressed in terms of precision, accuracy, representativeness, comparability, and completeness.

I.1.1 Precision

Precision measures the ability to reproduce measurements under a given set of conditions. Precision is expressed as the relative percent difference (RPD):

$$RPD = \frac{|A - B|}{\left(\frac{|A + B|}{2}\right)} \times 100$$

where:

A = the measured concentration of the analyte in a sample
B = the measured concentration of the analyte in a duplicate sample.

Blind duplicate samples are collected and analyzed to evaluate the precision of the measurement systems and estimate the variability in the sampling process. The relative percent difference has been calculated for those analyte pairs with detections above the reporting limit. If the relative percent difference between the primary and duplicate sample result is significant, or greater than 100%, then the system is considered to be out of statistical control and further investigation is initiated. As outlined in the QAPjP, one blind duplicate is collected for every 10 samples or matrix type. Seventy blind duplicate groundwater samples were collected during the

Groundwater RI and analyzed for the various constituents outlined in Table I-1. A summary of the field duplicate results is discussed in Section I.3.

Following recommended methodologies, sample duplicate and matrix spike duplicate analyses are performed in the laboratory to estimate the precision in the analytical process. The required frequency for laboratory duplicate analyses is outlined in the analytical methods (EPA, 1994b). Both sample and matrix spike duplicates assess matrix effects and analytical variability. Laboratory control spike sample (LCS) duplicates are not matrix dependent in determining precision of the analytical method.

Specific acceptance criteria for each standard method and parameter measured have been established and are outlined in the QAPjP. These criteria were utilized for the purpose of data validation until 1995, and subsequently, have been periodically updated by the laboratory to reflect the statistics for Del Amo project groundwater samples. These updated acceptance limits of precision have been archived by the laboratory and provided to Dames & Moore for inclusion in the project files. If the RPD between duplicate results falls outside the acceptance criteria, then the analytical system is considered to be out of statistical control, and other data quality results are reviewed to establish validity of the data. Laboratory duplicates were prepared and analyzed for the same parameters as primary groundwater samples. A summary of the sample duplicate and matrix spike duplicate results is presented in Section I.3..

I.1.2 Accuracy

Accuracy is a measure of the bias of a method or the level or agreement of a measurement with a known true value. Accuracy is assessed using percent recovery of a spiked analyte, which is calculated using the following equation:

$$\frac{A - B}{C} \times 100$$

where:

A =	the measured concentration of the spiked analyte in a spiked sample
B =	the measured concentration of the spiked analyte in an unspiked sample
C =	the concentration of the analyte used for spiking.

Analysis of matrix or surrogate spikes and laboratory control spike samples are used to evaluate analytical accuracy. A matrix spike is a solution of method analytes (at known concentrations) that is added ("spiked") into a field sample before the sample is prepared for analysis. Laboratory control spike analyses have the same function as matrix spike analyses and differ only in that the spike solution is added to a laboratory blank sample as opposed to a field sample. The results of these spike sample analyses are used to measure the percent recovery of each spiked compound. This percent recovery is a measure of the accuracy of the method. Specific acceptance criteria for each standard method and parameter measured have been established and are outlined in the QAPjP. These criteria were utilized for the purpose of data validation until 1995, and subsequently, have been periodically updated by the laboratory to reflect the statistics for Del Amo project groundwater samples. These updated acceptance limits of accuracy have been archived by the laboratory and provided to Dames & Moore for inclusion in the project files.

Surrogate spikes are a group of compounds, other than method analytes, selected for each organic compound analysis. The percent recovery is monitored to ensure adequate performance on a measurement-by-measurement basis. Surrogate spike recoveries are summarized for each sample analysis in the laboratory data packages. These recoveries are compared to specific acceptance criteria, which are outlined in the analytical methods. High surrogate recoveries would indicate that reported results are higher than the actual concentrations of analytes in field samples. Low surrogate recoveries may be an indication of false negative data.

The results of the sample matrix and surrogate recoveries and laboratory control spike samples are reviewed as part of the validation process. Results for sample matrix and laboratory control spike analyses are discussed in Section I.3. The results are compared to the acceptable ranges established in the QAPjP. This comparison provides an indication of laboratory analytical performance.

I.1.3 Representativeness

Representativeness is a qualitative parameter that evaluates how accurately the data represent the actual environmental conditions. Representativeness is determined by evaluating the results of trip blanks, field blanks, laboratory method blanks, and blind duplicate samples.

Trip blanks were used to identify volatile organic compounds (VOCs) which may have been introduced during sample transit or during sample storage at the laboratory. The blanks were supplied by BC Analytical Laboratory and returned in the cooler used to transport samples for volatile analyses. A total of 348 trip blank samples were collected and analyzed during the Groundwater RI. The results of the trip blank samples are discussed in Section I.3.

Field blanks, or equipment rinsate blanks, are used to evaluate the effectiveness of decontamination procedures and if cross contamination has occurred. Field blanks were prepared in the field by pouring deionized, distilled water into cleaned, nondedicated sampling equipment. The water was then collected and submitted to the laboratory as a field sample. Field blanks were given a fictitious sample identification number so that the laboratory could not recognize it as a blank. A total of 20 field blanks were collected and analyzed during the Groundwater RI. The results of the field blank samples are discussed in Section I.3.

Laboratory method blanks are used to demonstrate that all glassware and reagents used in the analytical procedure are free of interferences and compounds of primary interest. Each method blank is subjected to each given laboratory procedure, from sample preparation to quantitation. If an analyte is detected in a method blank, either an interference or contamination in the laboratory process is indicated. The required frequency for analyzing method blanks is specified in the standard operation procedure for each analytical method and consists of at least one per day for each method/instrument and/or per sample preparation set. Laboratory method blanks are evaluated as part of the validation process. Identification of target compounds at similar concentrations in primary samples results in questionable data because of biases introduced by the analytical process. Laboratory method blanks are further discussed in Section I.3.

Blind duplicate samples collected and analyzed for this program are evaluated to determine if results are similar in concentration to the primary sample data. Analyses of blind duplicate samples also function to estimate precision in the sampling and analytical process (Section I.1.1).

I.1.4 Comparability

Comparability is an expression of the confidence with which one data set can be compared to another. Comparability is achieved through the use of standard sampling procedures, analytical methods, and units of measurement. Reported methodologies and quantitation limits are compared to those outlined in the QAPjP. No deviations in the analytical program were noted

during the Groundwater RI. Updated groundwater sampling procedures are provided in Appendix J.

I.1.5 Completeness

Completeness is defined as the percentage of valid data compared to the total number of samples collected for analysis. Completeness is determined after quality control data are calculated and the results are compared to the DQOs. As outlined in the QAPjP, the objective for completeness for all measurements is 90%. The percentage of valid data is determined using the following equation:

$$\textit{Percent Valid Data} = \frac{\textit{number of valid data points}}{\textit{total number of measurements}} \times 100$$

Valid data are determined by comparing analytical results to a set of guidelines designed to establish defensibility and reliability of a given data result. Data that fall outside these criteria are labeled, or qualified, as rejected. Data that are determined to have limited usefulness, or that are indicative of bias, are qualified as estimated. Analyte concentrations determined to be the result of contamination introduced by field or laboratory supplies have been qualified as anomalous (not detected). Data that have been qualified as estimated or anomalous are considered valid. Data that are qualified as rejected are excluded as valid data and percent completeness is reduced.

I.2 DATA VALIDATION METHODS

Table I-1 presents the criteria used to review DQOs for each PARCC parameter. These criteria include: (1) a review of quality control samples collected in the field; (2) laboratory QC samples; and, (3) analytical method performance. The field QC samples and analytical data reports were reviewed in accordance with written validation procedures. Data validation procedures developed by Dames & Moore for the Del Amo project were utilized to evaluate analytical data collected during Groundwater RI activities. These procedures are based on the principles discussed in EPA National Functional Guidelines for Laboratory Data Review, Organics and Inorganics (EPA, 1994a).

QC samples included field duplicates, trip blanks, and laboratory method blanks and control spikes. Approximately one field duplicate was collected for every 10 primary samples and evaluated to identify sources of error affecting the quality of the data. The locations of field duplicate samples were randomly selected during the planning stage for Groundwater RI activities. Trip blanks were used to identify VOCs which may have been introduced during sample transit (to and from the field) or during laboratory sample storage. One set of trip blanks were included in 292 of 298 total shipment coolers containing samples for volatiles analysis. In addition, the laboratory analyzed a method blank and a method blank spike for each analytical batch to detect potential reagent contamination and evaluate instrument performance.

The three primary objectives of validation include: (1) a review of sampling, analytical, and data reduction protocols for correctness; (2) a quantitative assessment of the measurement data validity; and (3) an assessment of data completeness. The project data validation procedures were designed to review each data set and identify biases inherent to the data, including assessment of laboratory performance, overall precision and accuracy, representativeness and completeness.

Data packages received from the laboratory were reviewed using the project data validation procedures. This review included an assessment of holding time violations, blank contamination, precision, and accuracy. Data qualification was based on guidance presented in the *National Functional Guidelines* document (EPA, 1994a). Data validation flags have been applied to those sample results that fall outside of specified tolerance limits and, therefore, did not meet the program's DQOs. An explanation of the data flags is provided in Table I-2.

I.3 DATA VALIDATION RESULTS

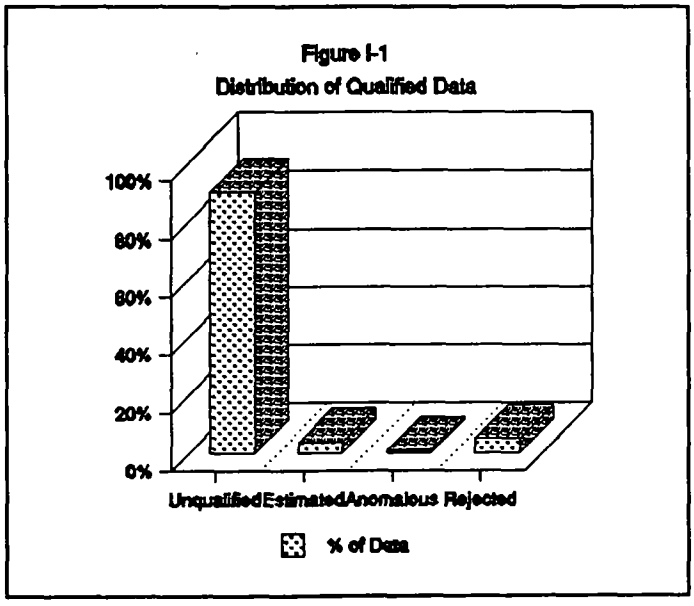
The following sections present a summary of data validation results and their impact on the established DQOs in relation to the PARCC parameters. Analytical results for compounds detected in groundwater samples collected during the investigation are tabulated in Appendix G.

I.3.1 Phase I Groundwater RI

The following sections discuss the results of the groundwater analyses for the Phase I Groundwater RI and provide an evaluation of the PARCC goals. Phase I Groundwater RIs were conducted during 1993 and are reported in the Phase I Remedial Investigation Report (Dames & Moore, 1993d).

I.3.1.1 Completeness of Scheduled Analyses

One hundred-one field samples were collected and submitted to the laboratory for analyses during Phase I Groundwater RIs. Data results were received from the laboratory for all samples scheduled for analyses. More than 95% of the results reported are valid. There were few qualifications identified in the quality control data. Out of approximately 15,510 individual analytical results (both detected and nondetected), 1,433 results were qualified. Of those data qualified, only 762 results were qualified as rejected. The completeness objectives for this phase of the program were achieved. Figure I-1, below, presents the distribution of qualified data for the Phase I Groundwater RI.



I.3.1.2 Precision

Blind duplicate samples were collected from 24 locations during the Phase I Groundwater RI. All of the blind duplicates were analyzed for the same parameters as the associated primary samples, yielding 22 duplicate pairs containing a positive analyte detection in both the primary and duplicate samples. The site locations and associated primary and duplicate sample identifications are presented in Table I-3.

The difference between the results of field duplicate pairs was evaluated during the validation process. Few data were indicative of significant bias and consequently, qualified. These qualified results from blind duplicate analyses are shown in Table I-4. Although results revealed some variability in the measurement process for some target analytes such as calcium and manganese, these data were consistent with historical ranges. Evaluation of the blind field duplicate pairs indicates acceptable precision, and that field and laboratory techniques employed for the Phase I Groundwater RI were appropriate.

I.3.1.3 Accuracy

Laboratory control spikes were performed at the required frequency using the concentrations and conditions specified for the various analytical methods. The recovery criteria for each spiked compound is specified in the QAPjP. QC criteria established in QAPjP were used to evaluate accuracy. For the Phase I Groundwater RI, more than 99 percent of the data were determined to be accurate.

The percent recovery of each spiking compound was calculated and compared to the required QC limits. Evaluation of the results for laboratory control spikes show the laboratory analytical system to be in control for most target analytes. For data collected during Phase I sampling event, less than one percent of the total individual analytical results were qualified as estimated due to failure of the laboratory control sample to meet acceptance criteria. These qualified data are provided in Appendix G.

Surrogate spikes were performed for samples analyzed for organic compound analyses in accordance with the method. Nearly all surrogate recoveries were within the QC acceptance criteria. For data collected during this sampling event, less than one percent of the total individual analytical results were qualified as estimated due to surrogate recovery failure in the associated samples. These qualified data are provided in Appendix G.

Sample matrix spikes were performed using concentrations and conditions specified by the analytical method. The QAPjP specifies the recovery criteria for each spiked compound. The percent recovery of each spiking compound was calculated and compared to the acceptance limits outlined in the QAPjP. In addition, the RPD between recoveries was calculated. The results for sample matrix spikes indicate acceptable analyte recovery demonstrating the laboratory analytical system to be in control. No data were qualified based on matrix spike/matrix spike duplicate (MS/MSD) recovery failures.

I.3.1.4 Representativeness

Seventy-four trip blank samples and ten field equipment blanks were collected and analyzed during the Phase I Groundwater RI. With the exception of the few cases noted below, these QC blanks were found to be free of analyte contamination.

Laboratory method blanks were analyzed at the required frequency for the various analytical methods. Methylene chloride and acetone are solvents commonly used in laboratory environments during extraction of water, soil, or solid waste for organic compounds. As such, these compounds can be detected in the VOC analyses.

Varying levels of methylene chloride (<5.0 μg/L - 180 μg/L) were reported in some QC blanks and identified as a laboratory contaminant. Data associated with these blanks have been appropriately qualified as not detected (U) to indicate bias introduced by the analytical process (see Appendix G). Only those results less than ten times the concentration found in the associated QC blank were qualified.

Random occurrences of contamination associated with these QC blanks were identified, including benzene, toluene and xylenes which were detected at concentrations near the analytical reporting limit. These detections could result from a number of factors including laboratory glassware, sample preparation procedures, or carry-over during analyses. Primary sample results associated with these blank contaminants have been flagged not detected (U) to indicate bias introduced by the analytical process (see Appendix G). Only those results less than five times the concentration found int he associated QC blank were qualified.

I.3.1.5 Comparability

The analyses were conducted in accordance with the procedures outlined in the QAPjP. Laboratory reporting limits met the guidelines established in the workplan for those parameters not detected in the samples. The comparability objective for this phase of the program was achieved.

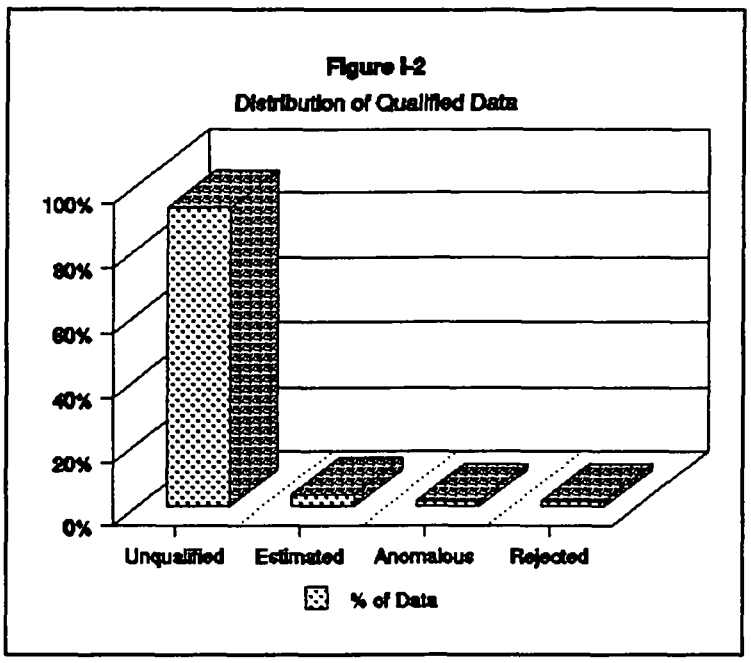
I.3.2 GROUNDWATER MONITORING, 1994

The following sections discuss the results of the groundwater analyses for the 1994 Groundwater Monitoring Program and provide an evaluation of the PARCC goals.

I.3.2.1 Completeness of Scheduled Analyses

Three hundred forty-two field samples were collected and submitted to the laboratory for analyses. Data results were received from the laboratory for all samples scheduled for analyses. More than 98% of the results reported are valid. There were few qualifications identified in the quality control data. Out of approximately 53,927 individual analytical results (both detected and nondetected), 3,738 results were qualified. Of those data qualified, only 963 results were qualified as rejected. The completeness objectives for this phase of the program were achieved.

Figure I-2, below, presents the distribution of qualified data for the 1994 Groundwater Monitoring Program.



I.3.2.2 Precision

Blind duplicate samples were collected from 25 locations during the 1994 Groundwater Monitoring Program. All of the blind duplicates were analyzed for the same analytical parameters as the associated primary samples, yielding 22 duplicate pairs containing a positive analyte detection in both the primary and duplicate samples. The site locations and associated primary and duplicate sample identifications are presented in Table I-5.

The difference between the results of field duplicate pairs was evaluated during the validation process. Some data were indicative of significant bias and consequently, qualified. These qualified results from blind duplicate analyses are shown in Table I-4. Although results revealed some variability in the measurement process for some target analytes such as benzene, chloromethane, conductivity and 1,2,4-trimethylbenzene, these data were consistent with historical ranges. Overall, evaluation of the blind field duplicate pairs indicates acceptable precision, and that field and laboratory techniques employed for the 1994 Groundwater Monitoring Program were appropriate. For those analytes listed in Table I-4, the reported primary sample concentrations were determined to be appropriate based on comparison to historical results.

APPENDIX J

GROUNDWATER MONITORING PROGRAM SAMPLING PROCEDURES

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GROUNDWATER MONITORING PROGRAM SAMPLING PROCEDURES

This appendix discusses groundwater monitoring program sampling procedures with respect to water level measurements, well purging, sample collection, QA/QC samples, sample containers and labeling, chain-of-custody forms, sample packaging, purge water disposal, and field log books.

Water Level Measurements

The depth to water is measured in each well prior to purging and sampling. Water levels are measured using an electric water level sounder, either a Slope Indicator or Solinst water level meter. All water level meters are calibrated against each other prior to each round of water level measurements by taking simultaneous measurements at a single well and recording an appropriate correction factor for each meter.

Prior to each use, water level meters are thoroughly cleaned with a solution of liquinox and deionized water, and then rinsed with deionized water. Different water level meters are used for wells containing high concentrations of contaminants than for those that do not to further minimize the potential for cross-contamination between wells.

Information regarding water level measurements is recorded on a water level data form. An example copy of the form is attached. Information recorded on the form includes the following:

- Name of person conducting measurement;
- Measurement device model;
- Well number;
- Water level;
- NAPL level and thickness, as appropriate;
- Time; and
- PID reading at well head.

Well Purging

Wells are purged prior to sampling with a dedicated submersible pump. Purging pumps consist of either a Grundfos electric pump or the Well Wizard air displacement pump. Purging continues until at least three well casing volumes have been removed, or until pH, specific conductivity, temperature, dissolved oxygen and turbidity have stabilized. Stability is defined as three consecutive measurements within 10% of each other. If separate purging and sampling pumps are present at a well, the sampling pump is started prior to the completion of purging to insure that any residual water left in the line is removed prior to sampling.

Once purging is complete, the well is allowed to recover to at least 80 percent of the static water level before sampling. If the recovery rate of a well is such that it will take more than 48 hours to recover to 80% of the static water level, the well is purged dry once, and allowed to recover to a point at which samples can be collected.

A purge data collection form is used to record all information pertinent to purging. An example form is attached. The purge data collection form includes the following information:

- Location ID
- Date
- Sample collector's name
- PID reading at well head
- Total depth of well, obtained from data table or well label
- Depth to water
- Casing diameter
- Calculation of well volume
- Purging method
- Total volume to be removed
- Instrument models
- Physical parameter values
- Sample and container information
- Comments

Sample Collection

All study area monitoring locations have been characterized as having low, medium, high or very VOC concentrations based on past analytical results. For each sampling event, sampling of low concentration wells is done first, followed by wells with progressively higher VOC concentrations to minimize the potential for significant cross-contamination between monitoring locations and samples. Cross-contamination by the sample collector is minimized by wearing latex gloves during sampling and replacing the gloves with a new set for each monitoring location. Care is taken to never touch or introduce foreign material into the sample container.

Monitoring wells are sampled using dedicated submersible sampling pumps consisting of either a Grundfos Rediflo 2 variable speed electric pump or the Well Wizard pneumatic pump. All samples are collected from Teflon lined, dedicated or disposable tubing. The sampling pump flow rate is limited to approximately 0.1 gallons per minute during sampling to minimize the potential for loss of volatiles from the samples. Immediately following sample collection, the container is sealed, labeled, recorded in the field log, and temporarily stored in a cooled ice chest.

A sample summary form is filled out for every sample event. The purpose of the sample summary is to facilitate the entry of the sample collection information into the Del Amo database. An example sample summary form is attached. The summary forms include of the following information:

- Sample ID
- Date
- Sample time
- Location ID
- Sample method
- Sample description, (e.g. groundwater, soil, NAPL)
- Sample collector's name
- Job sequence number
- Analyses requested
- Type and number of containers
- Preservatives

Quality Assurance/Quality Control Samples

QA/QC samples collected as part of the monitoring program include trip blanks, equipment rinsate blanks, and field duplicate samples. These are defined as follows:

Trip blank:	Carbon-free/deionized water samples that are brought to the field in sealed containers and transported back to the laboratory with the sample containers. Analytical results for trip blank samples are used to evaluate the potential presence of contaminants that may have been introduced during the transportation and sample handling process.
Equipment Rinsate Blank:	Carbon-free/deionized water that is poured through sample collection devices following decontamination procedures and collected in a sample container. Equipment rinsate blank results are used to evaluate the effectiveness of decontamination procedures and determine if cross-contamination between wells has occurred.
Field Duplicate:	A sample that is collected from the same location and time period as the original sample. Field duplicate results are used to evaluate the reproducibility of analytical data.

The number of field QA/QC samples collected is as follows:

- One trip blank is collected and submitted for VOC analysis with each shipment of samples.
- One equipment rinsate blank is collected and submitted for VOC analysis daily for each sampling device utilized.
- Ten percent of the total number of field samples for each sample matrix and type of laboratory analysis per day are collected as field duplicates. If less than ten samples are collected for a matrix, at least one field duplicate is collected.

Sample Containers and Labeling
Samples are collected in appropriate containers with necessary preservatives supplied by the analytical laboratory. Sample containers are prepackaged in sample suites based on the analyte list for each well. Each sample suite contains the required containers, sample summaries and preprinted sample labels. Sample labels include the following information: owner, date of collection, collector's name, sample designation, and time. Sample designation and collection information are also recorded in the sample summary sheets for input into the Del Amo database.

Chain-of-Custody Forms
Sample chain-of-custody (COC) forms accompany all shipments of samples to the analytical laboratories. An example COC form is attached. The COC is signed by each individual who takes the samples into their possession. For samples shipped by commercial carrier, the waybill serves as an extension of the COC between shipment by the field custodian and receipt by the laboratory technician. Upon receipt by the laboratory, the receiving personnel compare the samples received with the COC record, ensure that document information is accurate and complete, record the temperature inside the cooler, and sign and date the COC. Any discrepancies are noted on the COC form, and reported to field personnel immediately. The completed COC is returned to the project manager and maintained in the project file. The COC contains the following information at a minimum:

- Sample ID
- Date
- Sample time
- Sample description, (e.g. groundwater, soil, NAPL)
- Sampler collector's name
- Job sequence number
- Analyses requested
- Type and number of containers
- Preservatives
- Laboratory Comments
- Sampler's Signature
- Receiver's Signature

Sample Packaging
Sealed sample containers are placed in clear, plastic, leak resistant bags immediately after collection and labeling. The bagged samples are placed in a cooler with packaging material to minimize the potential for disturbance and/or breakage of the sample containers, and ice or "blue Ice" packs to minimize the potential for loss of volatiles during transport to the analytical laboratory. Samples known to contain relatively low contaminant concentrations are not placed in the same coolers as samples with higher concentrations to minimize the potential for cross-contamination between samples during shipment.

Completed shipping labels are attached to the sealed sample coolers requiring commercial shipping and copies of all records pertaining to the shipment of a sample are retained, including COCs, freight bills, post office receipts, and bills of lading.

Purge Water Disposal

Water collected during purging is treated by a mobile treatment system and discharged to the storm drain system. This treatment system and disposal method was authorized by EPA in their letter to the Del Amo Respondents dated February 15, 1993 (EPA, 1993a). The purge water is temporarily contained in a four-hundred gallon mobile tank located in the back of the sampling truck. This water is then pumped through a series of particulate filters prior to flowing through two 200-pound activated carbon vessels before being discharged to the storm drain. The primary carbon vessel is changed out prior to the start of each sampling period and a sample is collected and analyzed from the system at least once during each sampling round to insure that contaminants are being removed prior to disposal.

Field Log Book

A bound field log book is maintained by sampling personnel to provide a daily record of events. At the beginning of each entry, the following information is recorded:

- Date
- Time
- Meteorological conditions
- Field personnel present
- Level of personnel protection
- List of on-site visitors and the level of personal protection
- Signature of the person making the entry

Field log book entries are in as much detail as necessary to ensure that essential information is properly documented. All documentation in field books are in ink. If an error is made, corrections are made by crossing a line through the error and entering the correct information. Corrections are dated and initialed. No entries are obliterated or rendered unreadable.

The cover of each log book used contains:

- Person and organization to whom the book is assigned.
- Book number
- Start date
- End date

Entries in the log book include, at a minimum, the following for each sample date:

- Site identification
- Location of sampling points
- Description of sampling points
- References to photographs (if applicable)

- Collectors' names
- Field observations

Other daily activities, including travel time, time at the site, and relevant observations are also included in the field log book.

REFERENCES

EPA, 1993a. Letter from Mr. Thomas Dunkelman to Mr. Bill Duchie of Shell Oil Company. February 15, 1993.