U.S. Department of Energy

Oakland Operations Office, Oakland, California

DOE/SF/20686--T2

FINAL ANNUAL SITE ENVIRONMENTAL REPORT CALENDAR YEAR 1997

for the

Laboratory for Energy-Related Health Research (LEHR)
University of California at Davis, California

Submitted to:

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September, 1998

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DOE Oakland Operations Contract DE-AC03-96SF20686

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TABLE 5.3
NUMBER OF DETECTIONS, POSITIVE AND MAXIMUM VALUES IN HSU-2 GROUNDWATER DURING 1997
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

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			UPGRADIENT WELLS						DOWNGRADIENT WELLS					
	PARAMETER	MCL	Number of Results	Number of Detections	Number >MCL	Maximum Value	Date of Maximum Value	Location of Maximum	Number of Results	Number of Detections	Number >MCL	Maximum Value	Date of Maximum Value	Location of Maximum
Metals	ANTIMONY	ug/L	6	1	0	—	—	—	39	3	—	1.5 B]	02/13/97	UCD2-026
	ARSENIC	ug/L	50	1	1	2.9 Jc	02/19/97	UCD2-017	39	12	—	6.2	02/13/97	UCD2-026
	BARIUM	ug/L	1000	1	1	128	02/19/97	UCD2-017	39	39	—	285	05/15/97	UCD2-014
	CALCIUM	ug/L	—	1	1	35400	02/19/97	UCD2-017	39	39	—	57800	08/21/97	UCD2-014
	CHROMIUM	ug/L	50	1	1	18.5 Jn	02/19/97	UCD2-017	39	33	4	62.6 Jk	05/15/97	UCD2-014
	CHROMIUM, HEXAVALENT (+6)	ug/L	—	1	1	13	02/19/97	UCD2-017	39	37	—	61	08/27/97	UCD2-032
	COBALT	ug/L	—	1	1	1.2 B]	02/19/97	UCD2-017	39	14	—	3.1 B]	05/20/97	UCD2-014
	COPPER	ug/L	1300 #	1	1	1.5 B]n	02/19/97	UCD2-017	39	19	—	17	11/21/97	UCD4-042
	IRON	ug/L	300 S	1	0	—	—	—	39	5	5	2010	12/01/97	UCD2-036
	LEAD	ug/L	15	1	0	—	—	—	39	5	—	7.4 Jn	08/21/97	UCD2-014
	MAGNESIUM	ug/L	—	1	1	59700	02/19/97	UCD2-017	39	39	—	148000	08/21/97	UCD2-014
	MANGANESE	ug/L	50 S	1	0	—	—	—	39	16	2	97.6 Jn	02/27/97	UCD2-027Z4
	MOLYBDENUM	ug/L	—	1	1	1.9 B]	02/19/97	UCD2-017	39	19	—	2.4 B]	02/28/97	UCD2-035
	NICKEL	ug/L	100	1	1	5.5 B]n	02/19/97	UCD2-017	39	21	—	48.3	02/27/97	UCD2-027Z4
	POTASSIUM	ug/L	—	1	0	—	—	—	39	12	—	40200	11/21/97	UCD4-042
	SELENIUM	ug/L	50	1	1	5.1	02/19/97	UCD2-017	39	17	—	6.8	02/19/97	UCD2-016
	SODIUM	ug/L	—	1	1	29500	02/19/97	UCD2-017	39	39	—	89200	11/21/97	UCD4-042
	VANADIUM	ug/L	—	1	1	4.4 B]	02/19/97	UCD2-017	39	31	—	16.1	05/14/97	UCD2-016
	ZINC	ug/L	5000 S	1	1	4.5 B]n	02/19/97	UCD2-017	39	15	—	40.2 Jn	02/27/97	UCD2-027Z4
	General Chemical Parameters	ALKALINITY, TOTAL (AS CaCO3)	mg/L	—	1	1	—	—	—	27	27	—	473	08/27/97
AMMONIA-NITROGEN		mg/L	—	NA	NA	—	—	—	26	3	—	0.206	05/20/97	UCD2-027Z4
CHLORIDE		mg/L	250 S	NA	NA	—	—	—	27	27	—	29.4	11/25/97	UCD2-040
NITRATE-N		mg/L	10 #	NA	NA	1.47	02/19/97	UCD2-017	44	44	2	20.3 Jh	08/21/97	UCD2-014
PHOSPHORUS, TOTAL (AS P)		mg/L	—	1	1	—	—	—	6	6	—	0.151 B]	02/13/97	UCD2-026
SULFATE		mg/L	500 #	NA	NA	—	—	—	27	27	—	49.4	08/27/97	UCD2-032
TOTAL DISSOLVED SOLIDS		mg/L	500 S	NA	NA	391	02/19/97	UCD2-017	42	42	6	868	05/15/97	UCD2-014
TOTAL KJELDAHL NITROGEN		mg/L	—	1	1	—	—	—	26	13	—	7.61	05/22/97	UCD2-027Z4
TOTAL ORGANIC CARBON		mg/L	—	NA	NA	0.9 B]	02/19/97	UCD2-017	41	41	—	6.08	08/27/97	UCD2-032
ANTHRACENE		ug/L	—	1	0	—	—	—	30	1	—	2 J]	08/27/97	UCD2-032
Semi-Volatile Organics	BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	4	1	0	—	—	—	30	12	9	17	11/25/97	UCD2-030
	BUTYLBENZYLPHTHALATE	ug/L	100 #	1	0	—	—	—	30	2	—	0.71 J]	11/25/97	UCD2-030
	DI-N-BUTYLPHTHALATE	ug/L	—	1	0	—	—	—	30	2	—	1.1 J]	11/21/97	UCD2-032
	DI-N-OCTYLPHTHALATE	ug/L	—	1	0	—	—	—	30	5	—	4.4 J]	11/25/97	UCD2-040
	PHENOL	ug/L	—	1	0	—	—	—	30	1	—	2.5 J]	11/21/97	UCD4-042
	PYRENE	ug/L	—	1	0	—	—	—	30	1	—	1 J]	08/27/97	UCD2-032
	HEPTACHLOR	ug/L	0.01	1	0	—	—	—	22	1	—	0.009 J]	05/20/97	UCD2-027Z4
	1,1,2-TRICHLOROETHANE	ug/L	5	1	0	—	—	—	43	1	—	0.2 J]	11/24/97	UCD2-029
Pesticides Volatile Organics	1,1-DICHLOROETHANE	ug/L	5	1	0	—	—	—	43	8	—	1	11/21/97	UCD2-032
	1,1-DICHLOROETHENE	ug/L	6	1	0	—	—	—	43	8	—	0.9 J]	11/24/97	UCD2-029
	1,2-DICHLOROETHANE	ug/L	0.5	1	0	—	—	—	43	9	6	1.7	11/24/97	UCD2-029
	1,2-DICHLOROPROPANE	ug/L	5	1	0	—	—	—	43	9	—	1.6	11/24/97	UCD2-029
	1,3-DICHLOROBENZENE	ug/L	600 #	1	0	—	—	—	43	1	—	1.5	11/25/97	UCD2-040
	BENZENE	ug/L	1	1	0	—	—	—	43	1	—	0.3 J]	11/21/97	UCD4-042
	BROMODICHLOROMETHANE	ug/L	100 #	1	0	—	—	—	43	1	—	0.3 J]	02/27/97	UCD2-027Z4
	CHLOROFORM	ug/L	100 #	1	0	—	—	—	43	25	3	140 B]	11/24/97	UCD2-029
	METHYLENE CHLORIDE	ug/L	5	1	0	—	—	—	43	2	—	0.5 J]	02/27/97	UCD2-027Z4
	TOLUENE	ug/L	1000 #	1	0	—	—	—	43	1	—	0.4 J]	08/26/97	UCD2-016
Radionuclides	XYLENES (TOTAL)	ug/L	1750	1	0	—	—	—	43	1	—	0.3 J]	05/13/97	UCD2-035
	AMERICIUM-241	pCi/L	—	1	1	—	—	—	18	8	—	0.044	05/22/97	UCD2-027Z4
	BISMUTH-214	pCi/L	—	NA	NA	144	02/19/97	UCD2-017	41	11	—	151	02/19/97	UCD2-016
	CARBON-14	pCi/L	—	1	0	—	—	—	36	7	—	1090	05/15/97	UCD2-014
	GROSS ALPHA	pCi/L	15 *	1	0	—	—	—	41	3	—	7.9 C]	02/27/97	UCD2-027Z5
	GROSS BETA	pCi/L	50 *	1	0	—	—	—	41	3	—	42.8 C]	11/21/97	UCD4-042
	LEAD-214	pCi/L	—	1	1	180	02/19/97	UCD2-017	41	10	—	155	02/19/97	UCD2-016
	RADIUM-226	pCi/L	5 *	NA	NA	—	—	—	41	6	—	0.49	05/21/97	UCD2-027Z4
	THALLIUM-208	pCi/L	—	NA	NA	—	—	—	41	1	—	3.6	08/26/97	UCD2-007
	TRITIUM	pCi/L	20000 *	1	0	—	—	—	44	10	—	9540	05/15/97	UCD2-014

TABLE 5.3
NUMBER OF DETECTIONS, POSITIVE AND MAXIMUM VALUES IN SURFACE WATER DURING 1997
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

				SURFACE WATER LOCATIONS					
	PARAMETER		MCL	Number of Results	Number of Detections	Number >MCL	Maximum Value	Date of Maximum Value	Location of Maximum
Metals	ANTIMONY	ug/L	6	16	1		1.1 BJn	02/20/97	PCD
	ARSENIC	ug/L	50	16	6		5.1	02/20/97	STPO
	BARIUM	ug/L	1000	16	16		108	11/12/97	PCD
	CALCIUM	ug/L		16	16		33200	05/27/97	PCU
	CHROMIUM	ug/L	50	16	12		7.9 BJ	05/27/97	PCU
	CHROMIUM, HEXAVALENT (+6)	ug/L		16	8		33	05/27/97	PCD
	COBALT	ug/L		16	1		1.2 BJn	02/20/97	STPO
	COPPER	ug/L	1300 #	16	12		21.6	11/12/97	PCD
	IRON	ug/L	300 S	16	4		87.8 BJ	11/12/97	STPO
	MAGNESIUM	ug/L		16	16		41800	05/27/97	PCU
	MANGANESE	ug/L	50 S	16	10		11.8 Jn	02/20/97	PCD
	MOLYBDENUM	ug/L		16	5		11.8	08/29/97	STPO
	NICKEL	ug/L	100	16	8		5.8 BJn	02/20/97	STPO
	POTASSIUM	ug/L		16	14		12300	11/12/97	STPO
	SELENIUM	ug/L	50	16	6		7	05/27/97	STPO
	SILVER	ug/L	50	16	4		2.9 BJ	05/27/97	STPO
	SODIUM	ug/L		16	16		196000	05/27/97	STPO
	VANADIUM	ug/L		16	8		19.3	05/27/97	STPO
	ZINC	ug/L	5000 S	16	9		58.8 Jn	08/29/97	STPO
General Chemical Parameter	ALKALINITY, TOTAL (AS CaCO3)	mg/L		8	8		256 *	08/29/97	STPO
	CHLORIDE	mg/L	250 S	8	8		139 *	08/29/97	STPO
	HARDNESS	mg/L		4	4		255	05/27/97	PCU
	NITRATE-N	mg/L	10 #	16	16		9.55	11/12/97	STPO
	SULFATE	mg/L	500 #	8	8		76 *	08/29/97	STPO
	SURVIVAL BIOASSAY	%		8	8		100	05/27/97	PCU
	TOTAL DISSOLVED SOLIDS	mg/L	500 S	16	16	5	700	05/27/97	STPO
	TOTAL ORGANIC CARBON	mg/L		16	16		9.53 NJm	11/12/97	STPO
	BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	4	8	2		0.7 Jj	02/20/97	STPO
	4,4'-DDD	ug/L		11	2		0.027	08/29/97	STPO
Pesticides	4,4'-DDT	ug/L		11	1		0.039 Jw	08/29/97	PCU
	ALDRIN	ug/L	0.05 C	12	1		0.003 Jj	08/29/97	PCU
	ALPHA-CHLORDANE	ug/L		12	1		0.007 JPJNu	08/29/97	STPO
	HEPTACHLOR EPOXIDE	ug/L	0.01	12	1		0.003 Jj	08/29/97	PCU
Volatile Organics	ACETONE	ug/L		11	7		6.9 Jc	09/03/97	STPO
	BROMODICHLOROMETHANE	ug/L	100 a	16	9		19	05/27/97	STPO
	BROMOFORM	ug/L	100	16	2		2.9	09/03/97	STPO
	CHLOROFORM	ug/L	100 #	16	10		14	05/27/97	STPO
	DIBROMOCHLOROMETHANE	ug/L	100	16	7		18	05/27/97	STPO
	METHYLENE CHLORIDE	ug/L	5	16	2		1 Jj	11/12/97	STPO
Radionuclides	AMERICIUM-241	pCi/L		8	1		0.026	05/27/97	PCD
	BISMUTH-214	pCi/L		11	2		23 Jf	05/27/97	PCD
	GROSS BETA	pCi/L	50 *	11	4		19.7 CJf	02/20/97	STPO
	LEAD-212	pCi/L		11	1		48 Jf	05/27/97	PCD
	LEAD-214	pCi/L		11	1		10.4	02/20/97	PCU
	RADIUM-226	pCi/L	5 *	11	1		0.19	05/27/97	PCU
	TRITIUM	pCi/L	20000 *	16	2		790	05/27/97	PCD

TABLE 5.3
NUMBER OF DETECTIONS, POSITIVE AND MAXIMUM VALUES IN STORM WATER DURING 1997
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

				STORM WATER LOCATIONS					
PARAMETER			MCL	Number of Results	Number of Detections	Number >MCL	Maximum Value	Date of Maximum Value	Location of Maximum
Metals	ANTIMONY	ug/L	6	9	5	2	29	05/23/97	LS-1
	ARSENIC	ug/L	50	9	6		15.6	12/10/96	LS-1
	BARIUM	ug/L	1000	9	8		293	12/10/96	LS-1
	CALCIUM	ug/L		9	9		20000	05/23/97	LF-3
	CHROMIUM	ug/L	50	9	3	2	115	12/10/96	LS-1
	COBALT	ug/L		9	5		25.8	12/10/96	LS-1
	COPPER	ug/L	1300 #	9	7		74	12/10/96	LS-1
	IRON	ug/L	300 S	9	4	3	39000	12/10/96	LS-1
	LEAD	ug/L	15	9	5	1	23.5	12/10/96	SD-1
	MAGNESIUM	ug/L		9	9		31300	12/10/96	LS-1
	MANGANESE	ug/L	50 S	9	6	5	570	12/10/96	LS-1
	MERCURY	ug/L	2	9	4		0.79 *Jd	12/10/96	LS-1
	MOLYBDENUM	ug/L		9	4		4.9 B]	12/10/96	LS-1
	NICKEL	ug/L	100	9	8	2	247	12/10/96	LS-1
	POTASSIUM	ug/L		9	9		61900	12/10/96	LS-1
	SELENIUM	ug/L	50	9	1		4.4	05/23/97	LF-3
	SILVER	ug/L	50	9	2		1	05/23/97	LS-1
	SODIUM	ug/L		9	9		70500	05/23/97	LS-1
	VANADIUM	ug/L		9	3		73.5	12/10/96	LS-1
	ZINC	ug/L	5000 S	9	6		236 N]Jm	12/10/96	SD-1
General Chemical Parameter	ALKALINITY, TOTAL (AS CaCO3)	mg/L		7	7		155	05/23/97	LF-3
	AMMONIA-NITROGEN	mg/L		2	2		1.28	05/23/97	LS-1
	CHEMICAL OXYGEN DEMAND	mg/L		2	2		95.6	05/23/97	LS-1
	CHLORIDE	mg/L	250 S	7	7		89.1	05/23/97	LS-1
	HARDNESS	mg/L		3	3		158	05/23/97	LF-3
	NITRATE-N	mg/L	10 #	7	7		2	12/10/96	LS-1
	OIL AND GREASE	mg/L		6	1		1.2	05/23/97	LS-1
	PHOSPHORUS, TOTAL (AS P)	mg/L		2	2		0.591	05/23/97	LS-1
	SULFATE	mg/L	500 #	7	7		18.5	05/23/97	LF-3
	SURVIVAL BIOASSAY	%		3	3		100	05/23/97	LF-3
	TOTAL DISSOLVED SOLIDS	mg/L	500 S	9	9		350	12/10/96	LS-1
	TOTAL KJELDAHL NITROGEN	mg/L		2	2		3.75	05/23/97	LS-1
	TOTAL ORGANIC CARBON	mg/L		7	7		35.9	05/23/97	LS-1
Pesticides	ALPHA-CHLORDANE	ug/L		5	2		0.017 P]J	05/23/97	LS-1
	GAMMA-CHLORDANE	ug/L		5	2		0.013 P]J	05/23/97	LS-1
Semi-Volatile Organics	BIS(2-ETHYLHEXYL)PHTHALATE	ug/L		4	1		1.8 J]	12/10/96	SD-1
Volatile Organics	2-BUTANONE	ug/L		8	2		3.3 J]	05/23/97	LF-3
	ACETONE	ug/L		8	4		11	05/23/97	LS-1
	TOLUENE	ug/L	1000 #	8	1		0.3 J]J	05/23/97	LS-1
	XYLENES (TOTAL)	ug/L	1750	8	1		0.2 J]J	05/23/97	LS-1
Radionuclides	AMERICIUM-241	pCi/L		4	2		0.032	12/10/96	SD-1
	CARBON-14	pCi/L		9	2		64	12/10/96	LS-1
	GROSS ALPHA	pCi/L	15 *	9	1		4.7 C]	12/10/96	SD-1
	GROSS BETA	pCi/L	50 *	9	9	1	62.3 C]	12/10/96	LS-1
	RADIUM-226	pCi/L	5 *	9	4	2	1.09 [Jf	11/26/97	LF-3

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
METALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	ANTIMONY ug/L	ARSENIC ug/L	BARIUM ug/L	CALCIUM ug/L	CHROMIUM ug/L	CHROMIUM, HEXAVALENT (+6) ug/L	COBALT ug/L	COPPER ug/L
UCD1-001	02/24/97		WINTER	--	--	--	--	--	27	--	--
UCD1-004	02/13/97		WINTER	9.3	4.2	211	39900	23.3	17	1.6	2.6
UCD1-004	05/19/97		SPRING	--	--	--	--	--	19	--	--
UCD1-004	09/02/97		SUMMER	--	--	--	--	--	19	--	--
UCD1-004	11/17/97		FALL	--	--	--	--	--	18	--	--
UCD1-010	02/18/97		WINTER	2.1	4.2	40.3	51900	77.8	71	3.5	2.7
UCD1-010	08/25/97		SUMMER	--	--	--	--	--	72	--	--
UCD1-010	11/18/97		FALL	--	--	--	--	--	65	--	--
UCD1-011	02/18/97		WINTER	<	3.8	311	52000	229	252	2.2	2.0
UCD1-011	08/25/97		SUMMER	--	--	--	--	--	253	--	--
UCD1-012	02/18/97		WINTER	<	8.1	437	71300	176	175	4.4	2.6
UCD1-012	05/15/97		SPRING	--	--	--	--	--	148	--	--
UCD1-012	08/21/97		SUMMER	--	--	--	--	--	182	--	--
UCD1-012	08/21/97	D	SUMMER	--	--	--	--	--	184	--	--
UCD1-012	11/17/97		FALL	--	--	--	--	--	165	--	--
UCD1-013	02/18/97		WINTER	1.4	6.1	331	74400	80.6	76	3.5	2.0
UCD1-013	05/15/97		SPRING	--	--	--	--	--	76	--	--
UCD1-013	08/21/97		SUMMER	--	--	--	--	--	85	--	--
UCD1-013	11/18/97		FALL	--	--	--	--	--	79	--	--
UCD1-018	02/20/97		WINTER	<	4.0	172	38600	21.8	18	1.8	1.7
UCD1-018	08/27/97		SUMMER	--	--	--	--	--	16	--	--
UCD1-019	02/19/97		WINTER	1.2	9.3	94.4	60300	173	184	3.1	2.3
UCD1-019	05/14/97		SPRING	--	--	--	--	--	7	--	--
UCD1-020	02/24/97		WINTER	2.6	4.2	100	23900	30.1	30	1.0	1.3
UCD1-020	08/26/97		SUMMER	--	--	--	--	--	29	--	--
UCD1-021	02/24/97		WINTER	2.5	4.9	141	51200	57.6	58	2.2	1.8
UCD1-021	02/24/97	D	WINTER	2.0	4.1	147	52800	63.3	60	2.4	1.9
UCD1-023	02/13/97		WINTER	2.4	3.9	141	39100	27.3	21	2.7	2.1
UCD1-024	02/25/97		WINTER	1.1	2.9	267	58100	34.8	32	2.6	2.3
UCD1-025	02/13/97		WINTER	<	4.0	305	44400	355	17	2.5	2.4
UCD1-025	05/19/97		SPRING	<	5.1	285	42100	347	338	<	<
UCD1-025	08/26/97		SUMMER	--	--	--	--	--	314	--	--
UCD1-025	11/18/97		FALL	--	--	--	--	--	331	--	--
UCD1-027Z3	02/28/97		WINTER	2.5	3.3	163	41000	5.1	3	1.7	1.6
UCD1-027Z3	05/20/97		SPRING	<	<	152	38500	1.1	14	3.8	<
UCD1-028	11/24/97		FALL	<	<	202	51000	577	529	<	13.7
UCD1-034	02/12/97		WINTER	<	3.3	155	35600	7.3	--	1.7	2.6
UCD1-034	05/19/97		SPRING	<	<	96.9	38700	<	60	<	6.1
UCD2-007	02/24/97		WINTER	<	4.1	148	33200	37.3	42	1.2	1.5
UCD2-007	08/26/97		SUMMER	--	--	--	--	--	21	--	--
UCD2-014	02/18/97		WINTER	<	3.4	258	55000	51.2	45	3.1	2.0
UCD2-014	02/18/97	D	WINTER	<	4.9	264	56000	53.8	47	3.1	2.3
UCD2-014	05/15/97		SPRING	<	<	285	55700	62.6	42	1.1	<
UCD2-014	08/21/97		SUMMER	<	<	235	57800	46.2	35	<	3.8
UCD2-014	11/19/97		FALL	<	<	241	52300	46.6	47	<	<
UCD2-015	02/13/97		WINTER	1.2	3.3	136	33100	14.7	8	1.5	1.8
UCD2-015	05/19/97		SPRING	--	--	--	--	--	6	--	--

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
METALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	ANTIMONY ug/L	ARSENIC ug/L	BARIUM ug/L	CALCIUM ug/L	CHROMIUM ug/L	CHROMIUM, HEXAVALENT (+6) ug/L	COBALT ug/L	COPPER ug/L
UCD2-015	09/02/97		SUMMER	<	<	122	36900	<	7	<	<
UCD2-015	11/17/97		FALL	-	-	-	-	-	9	-	-
UCD2-015	11/17/97	D	FALL	-	-	-	-	-	12	-	-
UCD2-016	02/19/97		WINTER	<	6.2	149	38600	34.8	30	2.4	1.6
UCD2-016	05/14/97		SPRING	<	<	175	43500	45.2	34	1.5	<
UCD2-016	08/26/97		SUMMER	<	<	138	39500	32.7	35	<	<
UCD2-016	11/17/97		FALL	<	<	152	37800	31.4	37	<	<
UCD2-017	02/19/97		WINTER	<	2.9	128	35400	18.5	13	1.2	1.5
UCD2-017	08/27/97		SUMMER	-	-	-	-	-	9	-	-
UCD2-026	02/13/97		WINTER	1.5	6.2	95.9	36500	18.3	14	1.3	1.8
UCD2-026	05/19/97		SPRING	<	<	150	38700	41.6	31	<	1.7
UCD2-026	05/19/97	D	SPRING	<	6	144	37300	40.3	30	<	<
UCD2-026	08/26/97		SUMMER	-	-	-	-	-	21	-	-
UCD2-026	11/18/97		FALL	-	-	-	-	-	24	-	-
UCD2-027Z4	02/27/97		WINTER	<	3.4	136	38600	6.9	3	1.6	1.8
UCD2-027Z4	05/21/97		SPRING	1.3	<	160	41200	25.4	16	1.2	<
UCD2-027Z5	02/27/97		WINTER	<	2.6	142	36700	14.2	12	1.2	1.6
UCD2-027Z5	05/21/97		SPRING	<	<	154	39900	16.5	14	<	1.2
UCD2-027Z6	02/26/97		WINTER	<	2.7	138	36100	15.6	14	1.0	2.0
UCD2-027Z6	05/21/97		SPRING	<	<	146	38300	10.8	9	<	1.2
UCD2-027Z7	02/26/97		WINTER	<	3.6	150	35300	11.9	8	1.2	1.8
UCD2-027Z7	05/22/97		SPRING	<	<	175	38200	9.3	8	<	1.2
UCD2-029	11/24/97		FALL	<	<	181	44500	16.1	10	<	<
UCD2-029	11/24/97	D	FALL	<	<	177	43700	18.2	9	<	<
UCD2-030	11/25/97		FALL	<	<	166	42100	11.4	-	<	<
UCD2-031	11/25/97		FALL	<	<	150	38400	15.5	-	<	<
UCD2-032	08/27/97		SUMMER	<	<	166	43100	54.4	61	<	<
UCD2-032	11/21/97		FALL	<	<	179	43700	20.2	-	<	<
UCD2-035	02/12/97		WINTER	<	4.8	133	36300	11.4	3	1.8	1.9
UCD2-035	05/13/97		SPRING	<	<	150	36800	<	<	<	1.4
UCD2-036	12/01/97		FALL	<	<	91.8	35800	<	20	<	<
UCD2-037	12/01/97		FALL	<	<	119	33300	<	5	<	<
UCD2-038	11/25/97		FALL	<	<	114	34400	<	-	<	<
UCD2-039	12/01/97		FALL	<	<	131	35600	<	5	<	<
UCD2-040	11/25/97		FALL	<	<	160	44500	22.6	-	<	<
UCD4-041	11/24/97		FALL	<	<	90.3	33900	20.2	14	<	<
UCD4-042	11/21/97		FALL	<	<	90.0	27600	21.7	-	<	17.0
UCD4-043	11/21/97		FALL	<	<	130	36100	26.7	-	<	17.0

TABLE 5.4
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METALS
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LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	IRON ug/L	LEAD ug/L	MAGNESIUM ug/L	MANGANESE ug/L	MOLYBDENUM ug/L	NICKEL ug/L	POTASSIUM ug/L	SELENIUM ug/L
UCD1-001	02/24/97		WINTER	-	-	-	-	-	-	-	-
UCD1-004	02/13/97		WINTER	<	<	71400	<	1.3 [B]	7.7 [B]n	<	<
UCD1-004	05/19/97		SPRING	-	-	-	-	-	-	-	-
UCD1-004	09/02/97		SUMMER	-	-	-	-	-	-	-	-
UCD1-004	11/17/97		FALL	-	-	-	-	-	-	-	-
UCD1-010	02/18/97		WINTER	<	<	198000	1.2 [B]	1.0 [B]	7.9 [B]n	<	30.2
UCD1-010	08/25/97		SUMMER	-	-	-	-	-	-	-	-
UCD1-010	11/18/97		FALL	-	-	-	-	-	-	-	-
UCD1-011	02/18/97		WINTER	<	<	135000	<	1.1 [B]	6.6 [B]n	<	15.5
UCD1-011	08/25/97		SUMMER	-	-	-	-	-	-	-	-
UCD1-012	02/18/97		WINTER	<	<	215000	1.1 [B]	<	11.0 [B]n	<	21.6
UCD1-012	05/15/97		SPRING	-	-	-	-	-	-	-	-
UCD1-012	08/21/97		SUMMER	-	-	-	-	-	-	-	-
UCD1-012	08/21/97	D	SUMMER	-	-	-	-	-	-	-	-
UCD1-012	11/17/97		FALL	-	-	-	-	-	-	-	-
UCD1-013	02/18/97		WINTER	<	<	190000	<	<	9.4 [B]n	<	6.9
UCD1-013	05/15/97		SPRING	-	-	-	-	-	-	-	-
UCD1-013	08/21/97		SUMMER	-	-	-	-	-	-	-	-
UCD1-013	11/18/97		FALL	-	-	-	-	-	-	-	-
UCD1-018	02/20/97		WINTER	<	<	100000	<	1.4 [B]	10.7 [B]n	<	5.6
UCD1-018	08/27/97		SUMMER	-	-	-	-	-	-	-	-
UCD1-019	02/19/97		WINTER	<	<	167000	1.1 [B]	1.5 [B]	7.9 [B]n	<	13.9
UCD1-019	05/14/97		SPRING	-	-	-	-	-	-	-	-
UCD1-020	02/24/97		WINTER	<	<	58300	<	1.8 [B]	4.1 [B]n	<	4.6
UCD1-020	08/26/97		SUMMER	-	-	-	-	-	-	-	-
UCD1-021	02/24/97		WINTER	<	<	129000	<	1.3 [B]	7.9 [B]n	<	8.0
UCD1-021	02/24/97	D	WINTER	<	<	132000	<	1.4 [B]	8.8 [B]n	<	7.9
UCD1-023	02/13/97		WINTER	<	<	93000	11.4	1.4 [B]	114 [B]n	<	4.3
UCD1-024	02/25/97		WINTER	<	<	148000	<	1.3 [B]	8.7 [B]n	<	7.3
UCD1-025	02/13/97		WINTER	<	<	135000	1.9 [B]	<	6.8 [B]n	<	9.5
UCD1-025	05/19/97		SPRING	<	2.4	120000	1.3 [B]	<	9.8 [B]	852 [B]	5.8
UCD1-025	08/26/97		SUMMER	-	-	-	-	-	-	-	-
UCD1-025	11/18/97		FALL	-	-	-	-	-	-	-	-
UCD1-02723	02/28/97		WINTER	1130	<	83400	1230 [B]n	9.1 [B]	30.4 [B]n	1650 [B]	3.1
UCD1-02723	05/20/97		SPRING	1570 [B]n	<	79400	1310	7.1 [B]	218 [B]	924 [B]	4.8
UCD1-028	11/24/97		FALL	<	<	169000	<	<	9.0 [B]	917 [B]	8.0
UCD1-034	02/12/97		WINTER	<	<	54800	27.1	1.5 [B]	6.9 [B]n	<	<
UCD1-034	05/19/97		SPRING	<	3.7	55400	27.2	<	6.8 [B]	<	<
UCD2-007	02/24/97		WINTER	<	<	68700	<	2.0 [B]	5.6 [B]n	<	3.1
UCD2-007	08/26/97		SUMMER	-	-	-	-	-	-	-	-
UCD2-014	02/18/97		WINTER	<	<	140000	1.2 [B]	1.2 [B]	9.0 [B]n	<	6.3
UCD2-014	02/18/97	D	WINTER	<	<	144000	1.1 [B]	1.2 [B]	9.3 [B]n	<	4.5
UCD2-014	05/15/97		SPRING	<	1.2 [B]	138000	<	<	<	<	3.2
UCD2-014	08/21/97		SUMMER	605	7.4 [B]n	148000	<	<	<	<	<
UCD2-014	11/19/97		FALL	<	<	132000	<	<	<	899 [B]	<
UCD2-015	02/13/97		WINTER	<	<	58900	<	1.9 [B]	6.7 [B]n	<	3.7
UCD2-015	05/19/97		SPRING	-	-	-	-	-	-	-	-

TABLE 5.4
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METALS
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Location	Date	QA	Analyte Units Quarter	IRON ug/L	LEAD ug/L	MAGNESIUM ug/L	MANGANESE ug/L	MOLYBDENUM ug/L	NICKEL ug/L	POTASSIUM ug/L	SELENIUM ug/L
UCD2-015	09/02/97		SUMMER	<	<	62400	<	<	<	<	<
UCD2-015	11/17/97		FALL	-	-	-	-	-	-	-	-
UCD2-015	11/17/97	D	FALL	-	-	-	-	-	-	-	-
UCD2-016	02/19/97		WINTER	<	<	67600	<	1.6 B	5.4 B Jn	<	6.8
UCD2-016	05/14/97		SPRING	<	1.4 B	72700	<	1.4 B	<	1020 B	4.8 B
UCD2-016	08/26/97		SUMMER	<	7.3 Jn	68900	<	<	<	<	<
UCD2-016	11/17/97		FALL	<	<	64600	<	<	<	<	<
UCD2-017	02/19/97		WINTER	<	<	59700	<	1.9 B	5.5 B Jn	<	5.1
UCD2-017	08/27/97		SUMMER	-	-	-	-	-	-	-	-
UCD2-026	02/13/97		WINTER	<	<	63400	1.9 B	1.8 B	10.7 B Jn	<	4.4
UCD2-026	05/19/97		SPRING	<	1.8 B	68100	<	1.7 B	10.6 B	992. B	3.9
UCD2-026	05/19/97	D	SPRING	<	<	65400	1.1 B	1.7 B	10.2 B	861. B	<
UCD2-026	08/26/97		SUMMER	-	-	-	-	-	-	-	-
UCD2-026	11/18/97		FALL	-	-	-	-	-	-	-	-
UCD2-027Z4	02/27/97		WINTER	<	<	69400	97.6 Jn	2.1 B	<	<	4.2
UCD2-027Z4	05/21/97		SPRING	<	<	74000	27.2 B	2.2 B	48.3 B	<	6.1
UCD2-027Z5	02/27/97		WINTER	<	<	61500	1.5 B Jn	1.8 B	7.3 B Jn	<	<
UCD2-027Z5	05/21/97		SPRING	<	<	66900	1.9 B	1.8 B	10.5 B	<	4.6
UCD2-027Z6	02/26/97		WINTER	<	<	58400	1.9 B Jn	1.6 B	6.1 B Jn	<	4.1
UCD2-027Z6	05/21/97		SPRING	<	<	61900	2.3 B	1.4 B	2.1 B	<	4.2
UCD2-027Z7	02/26/97		WINTER	<	<	56100	44.1 Jn	1.6 B	7.1 B Jn	<	4.0
UCD2-027Z7	05/22/97		SPRING	<	<	61200	18.5 B	1.7 B	7.2 B	<	6.4
UCD2-029	11/24/97		FALL	<	<	75400	<	<	13.2 B Jf	<	<
UCD2-029	11/24/97	D	FALL	<	<	73300	<	<	24.1 Jf	<	<
UCD2-030	11/25/97		FALL	<	<	68400	<	<	<	<	<
UCD2-031	11/25/97		FALL	<	<	61100	<	<	<	<	<
UCD2-032	08/27/97		SUMMER	484	<	73100	<	<	<	<	4.2
UCD2-032	11/21/97		FALL	<	<	72100	<	<	11.0 B	<	<
UCD2-035	02/12/97		WINTER	39.2 B	<	61100	9.6 B	2.4 B	11.5 B Jn	<	<
UCD2-035	05/13/97		SPRING	80.2 B	<	56400	7.3 B	2.4 B	7.8 B	852. B	<
UCD2-036	12/01/97		FALL	2010	<	62700	66.9	<	<	1140	<
UCD2-037	12/01/97		FALL	<	<	55900	<	<	<	1080 B	<
UCD2-038	11/25/97		FALL	<	<	65300	<	<	<	1090 B	<
UCD2-039	12/01/97		FALL	<	<	63200	7.4 B	<	<	987 B	<
UCD2-040	11/25/97		FALL	<	<	74400	<	<	<	<	<
UCD4-041	11/24/97		FALL	<	<	52400	<	<	<	1910 B	<
UCD4-042	11/21/97		FALL	<	<	49300	<	<	10.3 B	40200	<
UCD4-043	11/21/97		FALL	<	<	60700	<	<	<	1370 B	<

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METALS
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Location	Date	QA	Analyte Units	SODIUM ug/L	VANADIUM ug/L	ZINC ug/L
			Quarter			
UCD1-001	02/24/97		WINTER	--	--	--
UCD1-004	02/13/97		WINTER	32100	6.3 B	7.4 B n
UCD1-004	05/19/97		SPRING	--	--	--
UCD1-004	09/02/97		SUMMER	--	--	--
UCD1-004	11/17/97		FALL	--	--	--
UCD1-010	02/18/97		WINTER	182000	6.8 B	6.9 B n
UCD1-010	08/25/97		SUMMER	--	--	--
UCD1-010	11/18/97		FALL	--	--	--
UCD1-011	02/18/97		WINTER	80700	6.2 B	5.1 B n
UCD1-011	08/25/97		SUMMER	--	--	--
UCD1-012	02/18/97		WINTER	91000	8.9 B	5.3 B n
UCD1-012	05/15/97		SPRING	--	--	--
UCD1-012	08/21/97		SUMMER	--	--	--
UCD1-012	08/21/97	D	SUMMER	--	--	--
UCD1-012	11/17/97		FALL	--	--	--
UCD1-013	02/18/97		WINTER	57900	8.2 B	2.9 B n
UCD1-013	05/15/97		SPRING	--	--	--
UCD1-013	08/21/97		SUMMER	--	--	--
UCD1-013	11/18/97		FALL	--	--	--
UCD1-018	02/20/97		WINTER	34800	5.6 B	4.2 B n
UCD1-018	08/27/97		SUMMER	--	--	--
UCD1-019	02/19/97		WINTER	70300	4.9 B	8.8 B n
UCD1-019	05/14/97		SPRING	--	--	--
UCD1-020	02/24/97		WINTER	32600	12.5	5.8 B n
UCD1-020	08/26/97		SUMMER	--	--	--
UCD1-021	02/24/97		WINTER	93300	3.8 B	4.5 B n
UCD1-021	02/24/97	D	WINTER	95400	7.1 B	5.3 B n
UCD1-023	02/13/97		WINTER	37800	<	3.2 B n
UCD1-024	02/25/97		WINTER	72200	5.2 B	5.1 B n
UCD1-025	02/13/97		WINTER	76000	3.1 B	10.3 B n
UCD1-025	05/19/97		SPRING	72300	<	32.9
UCD1-025	08/26/97		SUMMER	--	--	--
UCD1-025	11/18/97		FALL	--	--	--
UCD1-027Z3	02/28/97		WINTER	82400	<	20.9 n
UCD1-027Z3	05/20/97		SPRING	88600	<	19.2 B
UCD1-028	11/24/97		FALL	112000	7.0 B	<
UCD1-034	02/12/97		WINTER	54400	<	14.5 B n
UCD1-034	05/19/97		SPRING	51200	16.1	27.1
UCD2-007	02/24/97		WINTER	42100	4.9 B	5.4 B n
UCD2-007	08/26/97		SUMMER	--	--	--
UCD2-014	02/18/97		WINTER	44100	6.0 B	5.0 B n
UCD2-014	02/18/97	D	WINTER	45000	6.7 B	7.5 B n
UCD2-014	05/15/97		SPRING	43800	11.2	<
UCD2-014	08/21/97		SUMMER	47300	5.7 B	<
UCD2-014	11/19/97		FALL	46300	<	<
UCD2-015	02/13/97		WINTER	27800	<	2.7 B n
UCD2-015	05/19/97		SPRING	--	--	--

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
METALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	SODIUM ug/L	VANADIUM ug/L	ZINC ug/L
UCD2-015	09/02/97		SUMMER	29500	7.3 B]	<
UCD2-015	11/17/97		FALL	--	--	--
UCD2-015	11/17/97	D	FALL	--	--	--
UCD2-016	02/19/97		WINTER	49900	4.8 B]	4.5 B]n
UCD2-016	05/14/97		SPRING	54300	16.1	<
UCD2-016	08/26/97		SUMMER	50400	6.9 B]	<
UCD2-016	11/17/97		FALL	45500	4.6 B]	<
UCD2-017	02/19/97		WINTER	29500	4.4 B]	4.5 B]n
UCD2-017	08/27/97		SUMMER	--	--	--
UCD2-026	02/13/97		WINTER	33300	<	12.2 B]n
UCD2-026	05/19/97		SPRING	41500	14.2	<
UCD2-026	05/19/97	D	SPRING	40600	12.5	<
UCD2-026	08/26/97		SUMMER	--	--	--
UCD2-026	11/18/97		FALL	--	--	--
UCD2-027Z4	02/27/97		WINTER	37800	3.7 B]	40.2]n
UCD2-027Z4	05/21/97		SPRING	41100	5.7]B	28.2
UCD2-027Z5	02/27/97		WINTER	31200	<	12.4 B]n
UCD2-027Z5	05/21/97		SPRING	36300	9.5 B]	11.1 B]
UCD2-027Z6	02/26/97		WINTER	32700	6.9 B]	11.5 B]n
UCD2-027Z6	05/21/97		SPRING	36700	12.5	15 B]
UCD2-027Z7	02/26/97		WINTER	36300	6.0 B]	16.4 B]n
UCD2-027Z7	05/22/97		SPRING	40500	12.2	27.0
UCD2-029	11/24/97		FALL	38300	4.6 B]	<
UCD2-029	11/24/97	D	FALL	37400	<	<
UCD2-030	11/25/97		FALL	36100	5.6 B]	<
UCD2-031	11/25/97		FALL	36800	4.6 B]	<
UCD2-032	08/27/97		SUMMER	62900	6.9 B]	<
UCD2-032	11/21/97		FALL	41900	4.6 B]	<
UCD2-035	02/12/97		WINTER	34500	4.3 B]	11.2 B]n
UCD2-035	05/13/97		SPRING	32800	14.9	<
UCD2-036	12/01/97		FALL	36900	<	<
UCD2-037	12/01/97		FALL	27900	9.2	<
UCD2-038	11/25/97		FALL	31900	4.6 B]	<
UCD2-039	12/01/97		FALL	32900	<	<
UCD2-040	11/25/97		FALL	39300	6.0 B]	<
UCD4-041	11/24/97		FALL	51900	6.1 B]	<
UCD4-042	11/21/97		FALL	89200	<	<
UCD4-043	11/21/97		FALL	49600	4.1 B]	<

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
GENERAL CHEMICALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	ALKALINITY, TOTAL (AS CaCO3) mg/L	AMMONIA-NITROGEN mg/L	CHEMICAL OXYGEN DEMAND mg/L	CHLORIDE mg/L	NITRATE-N mg/L	PHOSPHORUS, TOTAL (AS P) mg/L	SULFATE mg/L	TOTAL DISSOLVED SOLIDS mg/L
UCD1-001	02/24/97		WINTER	--	--	--	--	12.8	--	--	66.0
UCD1-004	02/13/97		WINTER	--	--	--	--	2.02	--	--	447
UCD1-004	05/19/97		SPRING	--	--	--	--	3.89	--	--	489
UCD1-004	09/02/97		SUMMER	--	--	--	--	3.5	--	--	453
UCD1-004	11/17/97		FALL	--	--	--	--	3.19	--	--	440. [Jc
UCD1-010	02/18/97		WINTER	--	--	--	--	42.2	--	--	1360
UCD1-010	05/14/97		SPRING	--	--	--	--	44.8	--	--	1360
UCD1-010	08/25/97		SUMMER	--	--	--	--	47.3	--	--	1490
UCD1-010	11/18/97		FALL	--	--	--	--	47.3	--	--	1550. [Jc
UCD1-011	02/18/97		WINTER	--	--	--	--	28.8	--	--	77.0
UCD1-011	08/25/97		SUMMER	--	--	--	--	24.6	--	--	--
UCD1-012	02/18/97		WINTER	--	--	--	--	50.7	--	--	1320
UCD1-012	05/15/97		SPRING	--	--	--	--	56.3	--	--	1420
UCD1-012	08/21/97		SUMMER	--	--	--	--	59.1	--	--	1370
UCD1-012	08/21/97	D	SUMMER	--	--	--	--	58.7	--	--	1390
UCD1-012	11/17/97		FALL	--	--	--	--	59	--	--	1370 [Jc
UCD1-013	02/18/97		WINTER	--	--	--	--	17.2	--	--	1040
UCD1-013	05/15/97		SPRING	--	--	--	--	--	--	--	1030
UCD1-013	08/21/97		SUMMER	--	--	--	--	17.4	--	--	1020
UCD1-013	11/18/97		FALL	--	--	--	--	--	--	--	1040. [Jc
UCD1-018	02/20/97		WINTER	--	--	--	--	17.2	--	--	584
UCD1-018	08/27/97		SUMMER	--	--	--	--	13.5	--	--	--
UCD1-019	02/19/97		WINTER	--	--	--	--	19.7	--	--	944
UCD1-020	02/24/97		WINTER	--	--	--	--	6.53	--	--	359
UCD1-021	02/24/97		WINTER	--	--	--	--	58.1	--	--	1020
UCD1-021	02/24/97	D	WINTER	--	--	--	--	58	--	--	987
UCD1-022	02/25/97		WINTER	--	--	--	--	--	--	--	460
UCD1-022	08/20/97		SUMMER	--	--	--	--	--	--	--	726
UCD1-023	02/13/97		WINTER	--	--	--	--	--	--	--	556
UCD1-024	02/25/97		WINTER	--	--	--	--	92.1	--	--	1060
UCD1-024	11/19/97		FALL	--	--	--	--	85.9	--	--	--
UCD1-025	02/13/97		WINTER	671	<	<	65	11.6	0.096 [B]	72.2	813
UCD1-025	05/19/97		SPRING	630	<	<	25.2	12.9	--	37.4	740
UCD1-025	08/26/97		SUMMER	--	--	--	--	12	--	--	--
UCD1-025	11/18/97		FALL	--	--	--	--	12.7	--	--	--
UCD1-027Z3	02/28/97		WINTER	477	0.52	18.9 [B]	23.7	1.9	0.042 [B]	40.1	535
UCD1-027Z3	05/20/97		SPRING	557	0.32	21.8 [B]	27.4	4	--	37.8	619
UCD1-028	11/24/97		FALL	745	<	--	46.2	44.5	--	38.1	1010 [Jc
UCD1-034	02/12/97		WINTER	356	<	<	23.6	0.491	0.149 [B]	30.4	412
UCD1-034	05/19/97		SPRING	389	--	--	17.5	0.953	--	23.8	406
UCD1-034	08/25/97		SUMMER	--	--	--	--	0.081 [B]	--	--	--
UCD2-007	02/24/97		WINTER	--	--	--	--	8.28	--	--	469
UCD2-007	08/26/97		SUMMER	--	--	--	--	6.76	--	--	--
UCD2-014	02/18/97		WINTER	--	--	--	--	7.09	--	--	767
UCD2-014	02/18/97	D	WINTER	--	--	--	--	7.05	--	--	792
UCD2-014	05/15/97		SPRING	--	--	--	--	9.31	--	--	868

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
GENERAL CHEMICALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	ALKALINITY, TOTAL (AS CaCO3) mg/L	AMMONIA-NITROGEN mg/L	CHEMICAL OXYGEN DEMAND mg/L	CHLORIDE mg/L	NITRATE-N mg/L	PHOSPHORUS, TOTAL (AS P) mg/L	SULFATE mg/L	TOTAL DISSOLVED SOLIDS mg/L
UCD2-014	08/21/97		SUMMER	--	--	--	--	20.3 Jh	--	--	565.1
UCD2-014	11/19/97		FALL	--	--	--	--	6.09	--	--	728. Jc
UCD2-015	02/13/97		WINTER	--	--	--	--	2.03	--	--	378.1
UCD2-015	05/19/97		SPRING	--	--	--	--	1.34	--	--	358.1
UCD2-015	09/02/97		SUMMER	--	--	--	--	1.44	--	--	381.1
UCD2-015	11/17/97		FALL	--	--	--	--	1.52	--	--	384. Jc
UCD2-015	11/17/97	D	FALL	--	--	--	--	1.51	--	--	379. Jc
UCD2-016	02/19/97		WINTER	--	--	--	--	4.52	--	--	355.1
UCD2-016	05/14/97		SPRING	--	--	--	--	--	--	--	493.1
UCD2-016	08/26/97		SUMMER	--	--	--	--	5.67	--	--	479.1
UCD2-016	11/17/97		FALL	--	--	--	--	--	--	--	461. Jc
UCD2-017	02/19/97		WINTER	--	--	--	--	1.47	--	--	391.1
UCD2-017	08/27/97		SUMMER	--	--	--	--	1.51	--	--	--
UCD2-026	02/13/97		WINTER	320.1	<	<	19.4	1.51	0.151 B]	34.6	421.1
UCD2-026	05/19/97		SPRING	362.1	<	<	23.6	5.91	--	36.1	442.1
UCD2-026	05/19/97	D	SPRING	384.1	<	<	23.9	5.96	--	36.4	456.1
UCD2-026	08/26/97		SUMMER	--	--	--	--	4.31	--	--	--
UCD2-026	11/18/97		FALL	--	--	--	--	3.87	--	--	--
UCD2-027Z4	02/27/97		WINTER	349.1	<	<	24.5	3.95	0.06 B]	39.7	445.1
UCD2-027Z4	05/20/97		SPRING	379.1	0.106	<	22.8	4.95	--	37.3	465.1
UCD2-027Z4	05/21/97		SPRING	--	--	--	--	--	--	--	--
UCD2-027Z5	02/27/97		WINTER	318.1	<	<	22.4	3.04	0.096 B]	36.8	389.1
UCD2-027Z5	05/21/97		SPRING	346.1	0.067	<	23.9	4.64	--	37	424.1
UCD2-027Z6	02/26/97		WINTER	319.1	<	<	18.9	2.77	0.098 B]	35	398.1
UCD2-027Z6	05/21/97		SPRING	340.1	<	<	20.1	2.56	--	35.1	398.1
UCD2-027Z7	02/26/97		WINTER	325.1	<	<	17.7	2.22	0.101 B]	34	379.1
UCD2-027Z7	05/22/97		SPRING	335.1	<	<	19.9	2.42	--	35.4	421.1
UCD2-029	11/24/97		FALL	348.1	<	--	26	8.26	--	40.8	470. Jc
UCD2-029	11/24/97	D	FALL	342.1	<	--	26.3	8.17	--	41	466. Jc
UCD2-030	11/25/97		FALL	339.1	<	--	24.3	4.80 Jc	--	38.2	401. Jc
UCD2-031	11/25/97		FALL	328.1	<	--	20.6	3.26 Jc	--	35.3	385. Jc
UCD2-032	08/27/97		SUMMER	473.1	--	--	22.5	11.5	--	49.4	603.1
UCD2-032	11/21/97		FALL	345.1	<	--	25.6	7.41 HJh	--	42.6	474. Jc
UCD2-035	02/12/97		WINTER	303.1	<	<	27.1	0.758	0.119 B]	35.8	395.1
UCD2-035	05/13/97		SPRING	324.1	<	<	25.8	0.858	--	35.9	387.1
UCD2-035	08/25/97		SUMMER	--	--	--	--	0.823	--	--	--
UCD2-036	12/01/97		FALL	355.1	<	--	18.5	4.2	--	39.1	450. Jc
UCD2-037	12/01/97		FALL	311.1	<	--	18.6	1.96	--	36.5	400. Jc
UCD2-038	11/25/97		FALL	329.1	<	--	18.7	1.94 Jc	--	33.3	374. Jc
UCD2-040	11/25/97		FALL	368.1	<	--	29.4	8.28 Jc	--	41.5	448. Jc
UCD2-039	12/01/97		FALL	338.1	<	--	25.7	2.99	--	37.3	433. Jc
UCD4-041	11/24/97		FALL	331.1	<	--	18.4	3.09	--	37.3	404. Jc
UCD4-042	11/21/97		FALL	342.1	0.138	--	22.8	5.45 HJh	--	44.4	467. Jc
UCD4-043	11/21/97		FALL	346.1	<	--	18.5	3.18 HJh	--	33.9	406. Jc

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
GENERAL CHEMICALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units	TOTAL KJELDAHL NITROGEN mg/L	TOTAL ORGANIC CARBON mg/L
			Quarter		
UCD1-001	02/24/97		WINTER	--	1.4
UCD1-004	02/13/97		WINTER	--	1.3
UCD1-004	05/19/97		SPRING	--	1.05
UCD1-004	09/02/97		SUMMER	--	0.97 B]
UCD1-004	11/17/97		FALL	--	0.77 B]
UCD1-010	02/18/97		WINTER	--	2.7
UCD1-010	05/14/97		SPRING	--	--
UCD1-010	08/25/97		SUMMER	--	2.37
UCD1-010	11/18/97		FALL	--	2.81
UCD1-011	02/18/97		WINTER	--	1.7
UCD1-011	08/25/97		SUMMER	--	--
UCD1-012	02/18/97		WINTER	--	3
UCD1-012	05/15/97		SPRING	--	2.25
UCD1-012	08/21/97		SUMMER	--	2.92
UCD1-012	08/21/97	D	SUMMER	--	2.99
UCD1-012	11/17/97		FALL	--	2.31
UCD1-013	02/18/97		WINTER	--	1.6
UCD1-013	05/15/97		SPRING	--	1.45
UCD1-013	08/21/97		SUMMER	--	1.48
UCD1-013	11/18/97		FALL	--	1.33
UCD1-018	02/20/97		WINTER	--	1.5
UCD1-018	08/27/97		SUMMER	--	--
UCD1-019	02/19/97		WINTER	--	1.6
UCD1-020	02/24/97		WINTER	--	0.9 B]
UCD1-021	02/24/97		WINTER	--	1.3
UCD1-021	02/24/97	D	WINTER	--	1.2
UCD1-022	02/25/97		WINTER	--	1.4
UCD1-022	08/20/97		SUMMER	--	1.01
UCD1-023	02/13/97		WINTER	--	1.3
UCD1-024	02/25/97		WINTER	--	1.4
UCD1-024	11/19/97		FALL	--	--
UCD1-025	02/13/97		WINTER	0.6	1.2
UCD1-025	05/19/97		SPRING	7.38	1.05
UCD1-025	08/26/97		SUMMER	--	--
UCD1-025	11/18/97		FALL	--	--
UCD1-027Z3	02/28/97		WINTER	3.2	7.7
UCD1-027Z3	05/20/97		SPRING	8	7.57
UCD1-028	11/24/97		FALL	0.6	1.52
UCD1-034	02/12/97		WINTER	1	1.6
UCD1-034	05/19/97		SPRING	--	--
UCD1-034	08/25/97		SUMMER	--	--
UCD2-007	02/24/97		WINTER	--	0.8 B]
UCD2-007	08/26/97		SUMMER	--	--
UCD2-014	02/18/97		WINTER	--	1.7
UCD2-014	02/18/97	D	WINTER	--	1.4
UCD2-014	05/15/97		SPRING	--	1.43

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
GENERAL CHEMICALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte	TOTAL KJELDAHL NITROGEN mg/L	TOTAL ORGANIC CARBON mg/L
			Units Quarter		
UCD2-014	08/21/97		SUMMER	--	1.06
UCD2-014	11/19/97		FALL	--	0.98 B]
UCD2-015	02/13/97		WINTER	--	1.1
UCD2-015	05/19/97		SPRING	--	1.04
UCD2-015	09/02/97		SUMMER	--	0.78 B]
UCD2-015	11/17/97		FALL	--	0.56 B]
UCD2-015	11/17/97	D	FALL	--	0.67 B]
UCD2-016	02/19/97		WINTER	--	1.3
UCD2-016	05/14/97		SPRING	--	--
UCD2-016	08/26/97		SUMMER	--	0.75 B]
UCD2-016	11/17/97		FALL	--	0.48 B]
UCD2-017	02/19/97		WINTER	--	0.9 B]
UCD2-017	08/27/97		SUMMER	--	--
UCD2-026	02/13/97		WINTER	<	0.9 B]
UCD2-026	05/19/97		SPRING	7.09	1.11
UCD2-026	05/19/97	D	SPRING	6.43	0.96 B]
UCD2-026	08/26/97		SUMMER	--	--
UCD2-026	11/18/97		FALL	--	--
UCD2-027Z4	02/27/97		WINTER	3.2	4.2
UCD2-027Z4	05/20/97		SPRING	--	--
UCD2-027Z4	05/21/97		SPRING	6.82	1.53
UCD2-027Z5	02/27/97		WINTER	0.9	1.3
UCD2-027Z5	05/21/97		SPRING	3.26	1.08
UCD2-027Z6	02/26/97		WINTER	1.6	1.3
UCD2-027Z6	05/21/97		SPRING	5.96	1.01
UCD2-027Z7	02/26/97		WINTER	2.3	1.4
UCD2-027Z7	05/22/97		SPRING	7.61	1.09
UCD2-029	11/24/97		FALL	<	1.3
UCD2-029	11/24/97	D	FALL	<	1.66
UCD2-030	11/25/97		FALL	<	1.15
UCD2-031	11/25/97		FALL	<	1.2
UCD2-032	08/27/97		SUMMER	--	6.08
UCD2-032	11/21/97		FALL	<	1.48
UCD2-035	02/12/97		WINTER	0.7	1.1
UCD2-035	05/13/97		SPRING	7.49	1.08
UCD2-035	08/25/97		SUMMER	--	--
UCD2-036	12/01/97		FALL	<	1
UCD2-037	12/01/97		FALL	<	1.49
UCD2-038	11/25/97		FALL	<	1.53
UCD2-040	11/25/97		FALL	<	1.06
UCD2-039	12/01/97		FALL	<	2.18
UCD4-041	11/24/97		FALL	<	1.51
UCD4-042	11/21/97		FALL	<	4.88
UCD4-043	11/21/97		FALL	0.66	1.17

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
SEMI-VOLATILE ORGANIC COMPOUNDS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units	ANTHRACENE ug/L	BIS(2- ETHYLHEXYL)PHTHALATE ug/L	BUTYLBENZYLPHTHALATE ug/L	DI-N- BUTYLPHTHALATE ug/L	DI-N- OCTYLPHTHALATE ug/L	PHENOL ug/L	PYRENE ug/L
			Quarter							
UCD1-025	02/13/97		WINTER	<	0.83 J]	-	<	<	<	<
UCD2-026	02/13/97		WINTER	<	3.0 J]	-	<	<	<	<
UCD2-026	05/19/97		SPRING	<	6.0 J]	<	<	<	<	<
UCD2-026	05/19/97	D	SPRING	<	11 J]	<	<	<	<	<
UCD2-027Z4	05/20/97		SPRING	<	2.6 J]	<	<	<	<	<
UCD2-027Z7	05/22/97		SPRING	<	6.3 J]	<	<	<	<	<
UCD2-030	11/25/97		FALL	<	17 J]	0.71 J]	<	1.4 J]	<	<
UCD2-031	11/25/97		FALL	<	7.2 J]	0.55 J]	<	0.55 J]	<	<
UCD2-032	08/27/97		SUMMER	2.0 J]	<	<	0.60 J]	0.97 J]	<	1.0 J]
UCD2-032	11/21/97		FALL	<	8.4 JB]	<	1.1 J]	0.97 J]	<	<
UCD2-038	11/25/97		FALL	<	8.4 J]	<	<	<	<	<
UCD2-040	11/25/97		FALL	<	7.0 J]	<	<	4.4 J]	<	<
UCD4-042	11/21/97		FALL	<	6.6 J]	<	<	<	2.5 J]	<
UCD4-043	11/21/97		FALL	<	3.5 J]	<	<	<	<	<

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
PESTICIDES
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	4,4'-DDD ug/L	ALPHA-CHLORDANE ug/L	DIELDRIN ug/L	ENDRIN ug/L	ENDRIN KETONE ug/L	GAMMA-BHC ug/L	GAMMA-CHLORDANE ug/L	HEPTACHLOR ug/L
UCD1-004	09/02/97		SUMMER	0.007 J]	<	<	<	<	<	<	<
UCD1-013	05/15/97		SPRING	<	0.005 J]P]N]u	0.03	0.011 J]	0.005 J]	0.004 J]P]u	<	<
UCD1-013	08/21/97		SUMMER	<	0.004 J]	0.017 J]	0.006 J]	0.003 J]	<	0.004 J]	<
UCD2-015	09/02/97		SUMMER	<	<	<	<	<	<	<	<
UCD2-027Z4	05/20/97		SPRING	<	<	<	<	<	<	<	0.009 J]

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
VOLATILE ORGANIC COMPOUNDS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Quarter	Analyte Units	1,1,2-TRICHLOROETHANE ug/L	1,1-DICHLOROETHANE ug/L	1,1-DICHLOROETHENE ug/L	1,2-DICHLOROETHANE ug/L	1,2-DICHLOROPROPANE ug/L	1,3-DICHLOROBENZENE ug/L	BENZENE ug/L	BROMODICHLOROMETHANE ug/L
UCD1-004	05/19/97		SPRING		<	<	<	<	<	<	<	<
UCD1-010	02/18/97		WINTER		<	<	<	<	<	<	<	<
UCD1-011	02/18/97		WINTER		<	<	<	<	<	<	<	<
UCD1-011	08/25/97		SUMMER		<	<	<	<	<	<	<	<
UCD1-012	02/18/97		WINTER		1.1 J	5.6 J	9.9 J	2.8 J	0.3 J	<	<	8.3 J
UCD1-012	05/15/97		SPRING		<	7.6 J/Q	10. J/Q	<	<	<	<	<
UCD1-012	08/21/97		SUMMER		2.3 J	11 J	15 J	5.2 J	0.7 J	<	<	0.9 J
UCD1-012	08/21/97	D	SUMMER		3.3 J	13 J	18 J	6.0 J	0.8 J	<	<	0.9 J
UCD1-012	11/17/97		FALL		1.0 J	6.3 J	8.3 J	3.9 J	0.5 J	<	<	0.6 J
UCD1-013	02/18/97		WINTER		<	<	<	<	<	<	<	<
UCD1-013	05/15/97		SPRING		<	<	<	<	<	<	<	<
UCD1-013	08/21/97		SUMMER		<	<	<	<	<	<	<	<
UCD1-013	11/18/97		FALL		<	<	<	<	<	<	<	<
UCD1-020	02/24/97		WINTER		<	<	<	<	<	<	<	<
UCD1-021	02/24/97		WINTER		<	<	<	<	<	<	<	<
UCD1-021	02/24/97	D	WINTER		<	<	<	<	<	<	<	<
UCD1-023	02/13/97		WINTER		<	<	<	<	<	<	<	<
UCD1-024	02/25/97		WINTER		<	<	<	<	<	<	<	<
UCD1-024	11/19/97		FALL		<	<	<	<	<	<	<	<
UCD1-025	02/13/97		WINTER		<	<	<	<	<	<	<	<
UCD1-025	05/19/97		SPRING		<	<	<	<	<	<	<	<
UCD1-025	11/18/97		FALL		<	<	<	<	<	<	<	<
UCD1-027Z3	02/28/97		WINTER		<	<	<	<	<	<	<	<
UCD1-027Z3	05/20/97		SPRING		<	<	<	<	<	<	<	<
UCD1-028	11/24/97		FALL		<	<	<	<	<	<	<	<
UCD2-014	02/18/97		WINTER		<	<	<	<	<	<	<	<
UCD2-014	02/18/97	D	WINTER		<	<	<	<	<	<	<	<
UCD2-014	05/15/97		SPRING		<	<	<	<	<	<	<	<
UCD2-014	08/21/97		SUMMER		<	<	<	<	<	<	<	<
UCD2-016	08/26/97		SUMMER		<	<	<	<	<	<	<	<
UCD2-026	02/13/97		WINTER		<	0.2 J	0.3 J	0.4 J	0.2 J	<	<	<
UCD2-026	05/19/97		SPRING		<	<	<	<	<	<	<	<
UCD2-026	05/19/97	D	SPRING		<	<	<	<	<	<	<	<
UCD2-026	11/18/97		FALL		<	<	<	<	<	<	<	<
UCD2-027Z4	02/27/97		WINTER		<	0.4 J	0.5 J	0.6 J	0.4 J	<	<	0.3 J
UCD2-027Z4	05/20/97		SPRING		<	<	<	<	<	<	<	<
UCD2-027Z5	02/27/97		WINTER		<	<	<	0.5 J	0.3 J	<	<	<
UCD2-027Z5	05/21/97		SPRING		<	<	<	0.3 J	<	<	<	<
UCD2-027Z6	02/26/97		WINTER		<	<	<	<	<	<	<	<
UCD2-027Z6	05/21/97		SPRING		<	<	<	<	<	<	<	<
UCD2-027Z7	02/26/97		WINTER		<	<	<	<	<	<	<	<
UCD2-027Z7	05/22/97		SPRING		<	<	<	<	<	<	<	<
UCD2-029	11/24/97		FALL		<	0.8 J	0.8 J	1.7 J	1.6 J	<	<	<
UCD2-029	11/24/97	D	FALL		0.2 J	0.8 J	0.9 J	1.7 J	1.6 J	<	<	<
UCD2-030	11/25/97		FALL		<	0.8 J	0.6 J	1.3 J	0.8 J	<	<	<
UCD2-031	11/25/97		FALL		<	<	<	<	<	<	<	<

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
VOLATILE ORGANIC COMPOUNDS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	1,1,2- TRICHLOROETHANE ug/L	1,1-DICHLOROETHANE ug/L	1,1-DICHLOROETHENE ug/L	1,2-DICHLOROETHANE ug/L	1,2-DICHLOROPROPANE ug/L	1,3-DICHLOROBENZENE ug/L	BENZENE ug/L	BROMODICHLOROMETHANE ug/L
UCD2-032	11/21/97		FALL	<	1.0	0.9 J]	1.7	1.2	<	<	<
UCD2-035	05/13/97		SPRING	<	<	<	<	<	<	<	<
UCD2-040	11/25/97		FALL	<	0.8 J]	0.8 J]	<	1.2	1.5	<	<
UCD4-041	11/24/97		FALL	<	<	<	<	<	<	<	<
UCD4-042	11/21/97		FALL	<	0.3 J]	0.2 J]	0.6 J]	0.4 J]	<	0.3 J]	<
UCD4-043	11/21/97		FALL	<	<	<	<	<	<	<	<

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
VOLATILE ORGANIC COMPOUNDS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	CHLOROFORM ug/L	DIBROMOCHLOROMETHANE ug/L	METHYLENE CHLORIDE ug/L	TETRACHLOROETHENE ug/L	TOLUENE ug/L	TRANS-1,2- DICHLOROETHENE ug/L	TRICHLOROETHENE ug/L	XYLENES (TOTAL) ug/L
UCD1-004	05/19/97		SPRING	<	<	<	<	<	<	<	0.3 J]
UCD1-010	02/18/97		WINTER	<	<	<	<	<	<	<	<
UCD1-011	02/18/97		WINTER	0.7 J]	<	<	<	<	<	<	<
UCD1-011	08/25/97		SUMMER	0.5 J]	<	<	<	<	<	<	<
UCD1-012	02/18/97		WINTER	5300	0.6 J]	0.4 J]	<	<	0.2 J]	<	<
UCD1-012	05/15/97		SPRING	4600	<	<	<	<	<	<	<
UCD1-012	08/21/97		SUMMER	7900 J]	<	<	<	<	<	0.3 J]	<
UCD1-012	08/21/97	D	SUMMER	7000	<	<	<	<	<	<	<
UCD1-012	11/17/97		FALL	5100	<	<	<	<	<	<	<
UCD1-013	02/18/97		WINTER	1.0 J]	<	<	<	<	<	<	<
UCD1-013	05/15/97		SPRING	1.7	<	<	<	<	<	0.3 J]	<
UCD1-013	08/21/97		SUMMER	1.2	<	<	<	<	<	0.2 J]	<
UCD1-013	11/18/97		FALL	0.8 J]	<	<	<	<	<	<	<
UCD1-020	02/24/97		WINTER	<	<	<	<	<	<	<	<
UCD1-021	02/24/97		WINTER	0.4 J]	<	<	<	<	<	<	<
UCD1-021	02/24/97	D	WINTER	0.5 J]	<	<	<	<	<	<	<
UCD1-023	02/13/97		WINTER	0.5 J]	<	<	<	<	<	<	<
UCD1-024	02/25/97		WINTER	0.5 J]	<	<	0.4 J]	<	<	<	<
UCD1-024	11/19/97		FALL	0.3 J]	<	<	0.4 J]	<	<	<	<
UCD1-025	02/13/97		WINTER	1.1	<	<	<	<	<	<	<
UCD1-025	05/19/97		SPRING	1.4	<	<	<	<	<	<	<
UCD1-025	11/18/97		FALL	1.7	<	<	<	<	<	<	<
UCD1-027Z3	02/28/97		WINTER	0.7 J]	<	<	<	<	<	<	<
UCD1-027Z3	05/20/97		SPRING	0.2 J]	<	<	<	<	<	<	<
UCD1-028	11/24/97		FALL	0.4 J]	<	<	<	<	<	<	<
UCD2-014	02/18/97		WINTER	0.6 J]	<	<	<	<	<	<	<
UCD2-014	02/18/97	D	WINTER	0.6 J]	<	<	<	<	<	<	<
UCD2-014	05/15/97		SPRING	0.7	<	<	<	<	<	<	<
UCD2-014	08/21/97		SUMMER	1.1	<	0.4 J]	<	<	<	<	<
UCD2-016	08/26/97		SUMMER	<	<	<	<	0.4 J]	<	<	<
UCD2-026	02/13/97		WINTER	43	<	<	<	<	<	<	<
UCD2-026	05/19/97		SPRING	17	<	<	<	<	<	<	<
UCD2-026	05/19/97	D	SPRING	17	<	<	<	<	<	<	<
UCD2-026	11/18/97		FALL	7.5	<	<	<	<	<	<	<
UCD2-027Z4	02/27/97		WINTER	100	<	0.5 J]	<	<	<	<	<
UCD2-027Z4	05/20/97		SPRING	33	<	<	<	<	<	<	<
UCD2-027Z5	02/27/97		WINTER	38	<	<	<	<	<	<	<
UCD2-027Z5	05/21/97		SPRING	56	<	<	<	<	<	<	<
UCD2-027Z6	02/26/97		WINTER	4.9	<	<	<	<	<	<	<
UCD2-027Z6	05/21/97		SPRING	3.7	<	<	<	<	<	<	<
UCD2-027Z7	02/26/97		WINTER	0.6 J]	<	<	<	<	<	<	<
UCD2-027Z7	05/22/97		SPRING	1.2	<	<	<	<	<	<	<
UCD2-029	11/24/97		FALL	130 B]	<	<	<	<	<	<	<
UCD2-029	11/24/97	D	FALL	140 B]	<	<	<	<	<	<	<
UCD2-030	11/25/97		FALL	42	<	<	<	<	<	<	<
UCD2-031	11/25/97		FALL	48	<	<	<	<	<	<	<

TABLE 5.4
SUMMARY OF CHEMICAL DETECTIONS - GROUNDWATER
VOLATILE ORGANIC COMPOUNDS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	CHLOROFORM	DIBROMOCHLOROMETHANE	METHYLENE CHLORIDE	TETRACHLOROETHENE	TOLUENE	TRANS-1,2- DICHLOROETHENE	TRICHLOROETHENE	XYLENES (TOTAL)
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
UCD2-032	11/21/97		FALL	69 B]	<	<	<	<	<	<	<
UCD2-035	05/13/97		SPRING	<	<	<	<	<	<	<	0.3 J]
UCD2-040	11/25/97		FALL	37	<	<	<	<	<	<	<
UCD4-041	11/24/97		FALL	7.4	<	<	<	<	<	<	<
UCD4-042	11/21/97		FALL	37. B]	<	<	<	<	<	<	<
UCD4-043	11/21/97		FALL	5.1	<	<	<	<	<	<	<

TABLE 5.4
SUMMARY OF DETECTIONS - GROUNDWATER
RADIONUCLIDES
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	AMERICIUM-241 pCi/L MDA	BISMUTH-212 pCi/L MDA	BISMUTH-214 pCi/L MDA	CARBON-14 pCi/L MDA	GROSS ALPHA pCi/L MDA	GROSS BETA pCi/L MDA	LEAD-214 pCi/L MDA	PLUTONIUM-241 pCi/L MDA
UCD1-004	09/02/97		SUMMER	-	<	12.7±5.9	7.4	<	<	<	-
UCD1-004	11/17/97		FALL	-	<	<	-	<	<	<	-
UCD1-010	02/18/97		WINTER	-	<	88±21	18	<	<	77±17	19
UCD1-011	02/18/97		WINTER	-	<	100±13	9.6	<	<	106±12	8.4
UCD1-012	02/18/97		WINTER	-	<	<	88±26	33	<	<	-
UCD1-012	05/15/97		SPRING	-	45±34	31±12	358±69	77	<	33±10	12
UCD1-012	08/21/97		SUMMER	-	<	18±14	286±74	86	<	<	-
UCD1-012	08/21/97	D	SUMMER	-	<	<	281±74	86	<	<	-
UCD1-012	11/17/97		FALL	-	<	13±10	203±72	97	<	<	-
UCD1-013	02/18/97		WINTER	-	<	30±16	814±62	22	<	35±13	16
UCD1-013	05/15/97		SPRING	-	<	38±13	1800±150	80	<	37±11	12
UCD1-013	08/21/97		SUMMER	-	46±33	<	1524±98	20	<	<	-
UCD1-013	11/18/97		FALL	-	<	<	1428±93	20	<	<	-
UCD1-019	02/19/97		WINTER	-	<	144±26	19	<	<	176±24	21
UCD1-020	02/24/97		WINTER	-	<	<	117±64	97	<	<	-
UCD1-021	02/24/97		WINTER	<	<	<	177±69	97	<	18±11	17
UCD1-021	02/24/97	D	WINTER	0.039±0.034	0.029	<	105±63	97	<	<	<
UCD1-022	02/25/97		WINTER	<	<	<	-	<	<	<	<
UCD1-023	02/13/97		WINTER	-	<	<	286±67	65	<	<	-
UCD1-024	02/25/97		WINTER	-	<	68±19	<	<	<	69±16	18
UCD1-024	11/19/97		FALL	-	<	29±11	-	<	<	<	-
UCD1-025	02/13/97		WINTER	0.036±0.030	0.027	19±15	71±44	65	<	<	<
UCD1-025	05/19/97		SPRING	<	<	<	230±60	77	<	<	<
UCD1-027Z3	02/28/97		WINTER	<	<	<	<	<	<	<	4.7±2.9
UCD1-027Z3	05/20/97		SPRING	<	<	<	96±50	77	<	<	3.4
UCD1-034	02/12/97		WINTER	<	<	<	74±45	65	<	<	<
UCD1-034	05/13/97		SPRING	0.024±0.024	0.017	9.8±4.4	<	<	<	9.2±4.1	5.3
UCD2-007	02/24/97		WINTER	-	<	11.4±7.0	102±63	97	<	9.4±6.2	8.9
UCD2-007	08/26/97		SUMMER	-	<	<	<	<	<	<	-
UCD2-014	02/18/97		WINTER	<	<	58±18	375±37	21	<	43±15	19
UCD2-014	02/18/97	D	WINTER	<	<	21.5±6.8	422±40	22	<	25.3±6.3	7.4
UCD2-014	05/15/97		SPRING	<	<	28±12	1090±110	80	<	29±10	12
UCD2-014	08/21/97		SUMMER	-	<	<	711±55	20	<	<	-
UCD2-014	11/19/97		FALL	-	<	<	464±42	20	<	7.5±4.9	7.2
UCD2-015	09/02/97		SUMMER	-	<	10.2±5.9	-	<	<	<	-
UCD2-015	11/17/97		FALL	-	<	10.0±5.8	-	<	<	9.0±5.2	7.6
UCD2-015	11/17/97	D	FALL	-	<	<	-	<	<	<	-
UCD2-016	02/19/97		WINTER	-	<	151±27	22	<	<	155±23	19
UCD2-017	02/19/97		WINTER	-	<	144±17	11	<	<	180±17	9.1
UCD2-026	02/13/97		WINTER	<	<	<	69±44	65	<	<	<
UCD2-026	05/19/97		SPRING	0.020±0.022	0.018	22.7±8.2	<	<	<	16.1±6.9	9.6
UCD2-026	05/19/97	D	SPRING	<	<	<	<	<	<	<	<
UCD2-027Z4	02/27/97		WINTER	0.043±0.049	0.039	<	<	<	<	<	<
UCD2-027Z4	05/21/97		SPRING	0.033±0.029	0.018	<	<	<	<	<	<
UCD2-027Z5	02/27/97		WINTER	<	<	<	<	7.9±4.8	6.4	7.1±3.6	5.5
UCD2-027Z5	05/21/97		SPRING	0.016±0.018	0.014	<	<	<	<	10.6±4.0	5.9
UCD2-027Z6	02/26/97		WINTER	<	<	<	<	<	<	<	<

TABLE 5.4
SUMMARY OF DETECTIONS - GROUNDWATER
RADIONUCLIDES
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	AMERICIUM-241		BISMUTH-212		BISMUTH-214		CARBON-14		GROSS ALPHA		GROSS BETA		LEAD-214		PLUTONIUM-241	
				pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA
UCD2-027Z6	05/21/97		SPRING	0.021±0.024	0.019	<		<		<		<		<		<		<	
UCD2-027Z7	02/26/97		WINTER	0.040±0.040	0.027	<		24±14.	17.	<		<		<		<		<	
UCD2-027Z7	05/22/97		SPRING	0.044±0.036	0.039	<		<		<		<		<		<		<	
UCD2-029	11/24/97		FALL	--		<		<		<		<		<		<		--	
UCD2-029	11/24/97	D	FALL	--		<		<		<		<		<		<		--	
UCD2-031	11/25/97		FALL	--		<		<		<		<		<		<		--	
UCD2-035	02/12/97		WINTER	0.026±0.025	0.017	<		<		4.1±2.8	3.9	<		<		<		<	
UCD2-035	05/13/97		SPRING	<		<		10.6±4.6	5.4	<		<		<		8.4±4.1	5.3	<	
UCD2-037	12/01/97		FALL	--		<		<		<		<		<		18±12.	17.	--	
UCD2-038	11/25/97		FALL	--		<		<		2.5±1.7	2.3	<		<		<		--	
UCD2-040	11/25/97		FALL	--		<		<		<		<		<		<		--	
UCD4-041	11/24/97		FALL	--		<		16±13.	16.	<		<		<		<		--	
UCD4-042	11/21/97		FALL	--		<		<		<		<		42.8±6.4	6.6	<		--	

TABLE 5.4
SUMMARY OF DETECTIONS - GROUNDWATER
RADIONUCLIDES
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Quarter	Analyte Units		THALLIUM-208 pCi/L	TRITIUM pCi/L
				RADIUM-226 pCi/L	MDA		MDA
UCD1-004	09/02/97		SUMMER	<		<	<
UCD1-004	11/17/97		FALL	0.47±0.32	0.44	<	<
UCD1-010	02/18/97		WINTER	—		<	<
UCD1-011	02/18/97		WINTER	—		<	<
UCD1-012	02/18/97		WINTER	<		<	<
UCD1-012	05/15/97		SPRING	0.59±0.28	0.27	<	<
UCD1-012	08/21/97		SUMMER	<		<	<
UCD1-012	08/21/97	D	SUMMER	0.73±0.35	0.36	<	<
UCD1-012	11/17/97		FALL	0.53±0.31	0.37	<	270±160 220
UCD1-013	02/18/97		WINTER	<		<	18600±1200 μm 210
UCD1-013	05/15/97		SPRING	<		<	18300±1200 190
UCD1-013	08/21/97		SUMMER	<		<	19000±1200 190
UCD1-013	11/18/97		FALL	<		<	19400±1300 220
UCD1-019	02/19/97		WINTER	—		<	<
UCD1-020	02/24/97		WINTER	<		<	<
UCD1-021	02/24/97		WINTER	<		<	<
UCD1-021	02/24/97	D	WINTER	<		<	<
UCD1-022	02/25/97		WINTER	<		<	430±160 μm 210
UCD1-023	02/13/97		WINTER	<		<	<
UCD1-024	02/25/97		WINTER	0.28±0.14	0.048	<	<
UCD1-024	11/19/97		FALL	—		<	—
UCD1-025	02/13/97		WINTER	0.28±0.20	0.26	<	<
UCD1-025	05/19/97		SPRING	<		<	<
UCD1-027Z3	02/28/97		WINTER	0.22±0.15	0.21	<	320±140 190
UCD1-027Z3	05/20/97		SPRING	0.33±0.20	0.20	<	<
UCD1-034	02/12/97		WINTER	<		<	<
UCD1-034	05/13/97		SPRING	0.28±0.21	0.27	<	<
UCD2-007	02/24/97		WINTER	<		<	<
UCD2-007	08/26/97		SUMMER	<		3.6±2.7 3.5	<
UCD2-014	02/18/97		WINTER	<		<	5490±540 μm 220
UCD2-014	02/18/97	D	WINTER	<		<	5910±560 μm 220
UCD2-014	05/15/97		SPRING	<		<	9540±700 180
UCD2-014	08/21/97		SUMMER	<		<	4990±450 180
UCD2-014	11/19/97		FALL	<		<	4390±470 230
UCD2-015	09/02/97		SUMMER	<		<	<
UCD2-015	11/17/97		FALL	<		<	<
UCD2-015	11/17/97	D	FALL	<		<	<
UCD2-016	02/19/97		WINTER	0.37±0.26	0.34	<	<
UCD2-017	02/19/97		WINTER	—		<	<
UCD2-026	02/13/97		WINTER	<		<	<
UCD2-026	05/19/97		SPRING	<		<	<
UCD2-026	05/19/97	D	SPRING	0.39±0.23	0.26	<	<
UCD2-027Z4	02/27/97		WINTER	0.25±0.15	0.19	<	<
UCD2-027Z4	05/21/97		SPRING	0.49±0.24	0.28	<	<
UCD2-027Z5	02/27/97		WINTER	0.28±0.18	0.24	<	1070±210 190
UCD2-027Z5	05/21/97		SPRING	<		<	<
UCD2-027Z6	02/26/97		WINTER	0.14±0.11	0.13	<	<

TABLE 5.4
SUMMARY OF DETECTIONS - GROUNDWATER
RADIONUCLIDES
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	RADIUM-226		THALLIUM-208		TRITIUM	
				pCi/L	MDA	pCi/L	MDA	pCi/L	MDA
UCD2-027Z6	05/21/97		SPRING	<		<		<	
UCD2-027Z7	02/26/97		WINTER	<		<		<	
UCD2-027Z7	05/22/97		SPRING	<		<		<	
UCD2-029	11/24/97		FALL	<		<		<	
UCD2-029	11/24/97	D	FALL	<		<		350±160	220
UCD2-031	11/25/97		FALL	<		<		310±160	220
UCD2-035	02/12/97		WINTER	<		<		360±150	200
UCD2-035	05/13/97		SPRING	<		<		<	
UCD2-037	12/01/97		FALL	<		<		<	
UCD2-038	11/25/97		FALL	<		<		<	
UCD2-040	11/25/97		FALL	<		<		250±150	220
UCD4-041	11/24/97		FALL	<		<		<	
UCD4-042	11/21/97		FALL	<		<		<	

TABLE 5.5
SUMMARY OF CHEMICAL DETECTIONS - SURFACE WATER
METALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Analyte Units				ANTIMONY ug/L		ARSENIC ug/L		BARIUM ug/L		CALCIUM ug/L		CHROMIUM ug/L		CHROMIUM, HEXAVALENT ug/L		COBALT ug/L		COPPER ug/L	
Location	Date	QA	Quarter																
PCD	02/20/97		WINTER	1.1	B Jn	3.0		46.2		19200		4.7	B Jn	<		<		2.2	B Jn
PCD	05/27/97		SPRING	<		<		98.2		32600		7.3	B	33		<		<	
PCD	05/27/97	D	SPRING	<		<		98.2		32700		7.6	B	30		<		1.4	B
PCD	08/29/97		SUMMER	<		<		78.5	E Jn	28400		<		<		<		<	
PCD	08/29/97	D	SUMMER	<		<		77.8	E Jn	28000		<		<		<		3.1	B
PCD	11/12/97		FALL	<		<		108		33000		4.7	B	4	B	<		21.6	
PCU	02/20/97		WINTER	<		3.1		45.6		18800		4.9	B Jn	<		<		2.1	B Jn
PCU	05/27/97		SPRING	<		<		101		33200		7.9	B	32		<		1.2	B
PCU	08/29/97		SUMMER	<		<		84.2	E Jn	28900		<		<		<		<	
PCU	11/12/97		FALL	<		<		105		31200		6.5	B	4	B	<		<	
PCU	11/12/97	D	FALL	<		<		103		31000		4.7	B	4	B	<		11.8	B
STPO	02/20/97		WINTER	<		4.9		37.9		22600		3.7	B Jn	<		<		6.2	B Jn
STPO	02/20/97	D	WINTER	<		5.1		48.4		22300		6.9	B Jn	<		1.2	B Jn	8.7	B Jn
STPO	05/27/97		SPRING	<		<		46.7		26600		2.9	B	12		<		5.9	B
STPO	08/29/97		SUMMER	<		3.3	B	42.4	E Jn	26500		<		<		<		8.9	B
STPO	11/12/97		FALL	<		4.4	B	48.5		23000		6.4	B	8	B	<		12.8	

TABLE 5.5
SUMMARY OF CHEMICAL DETECTIONS - SURFACE WATER
METALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	IRON ug/L	MAGNESIUM ug/L	MANGANESE ug/L	MOLYBDENUM ug/L	NICKEL ug/L	POTASSIUM ug/L	SELENIUM ug/L	SILVER ug/L
PCD	02/20/97		WINTER	<	25600	11.8 n	<	5.5 n	1680	<	<
PCD	05/27/97		SPRING	<	40800	7	<	2.8	1190	3.7	<
PCD	05/27/97	D	SPRING	<	40800	7.1	1.1	3.1	<	3.9	<
PCD	08/29/97		SUMMER	<	37300	10.4	<	<	1340	<	<
PCD	08/29/97	D	SUMMER	<	36900	<	<	<	1420	<	<
PCD	11/12/97		FALL	<	40800	<	<	<	2300	<	<
PCU	02/20/97		WINTER	<	24800	11.5 n	<	5.4 n	1350	<	1.9
PCU	05/27/97		SPRING	<	41800	5.7	<	2.9	2530	5.1	<
PCU	08/29/97		SUMMER	<	37700	<	<	<	<	<	<
PCU	11/12/97		FALL	<	39300	<	<	<	1630	<	<
PCU	11/12/97	D	FALL	<	39000	<	<	<	1610	<	<
STPO	02/20/97		WINTER	52.5	29300	3.9 n	5.6	4.6 n	10200	3.6	1.1
STPO	02/20/97	D	WINTER	42.7	28900	5.2 n	7.5	5.8 n	9510	3.9	1.8
STPO	05/27/97		SPRING	28 n	34300	4.6	8.4	1.8	8330	7	2.9
STPO	08/29/97		SUMMER	<	32600	10.5	11.8	<	7550	<	<
STPO	11/12/97		FALL	87.8	26700	<	<	<	12300	<	<

TABLE 5.5
SUMMARY OF CHEMICAL DETECTIONS - SURFACE WATER
METALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte	SODIUM ug/L	VANADIUM ug/L	ZINC ug/L	
			Units Quarter				
PCD	02/20/97		WINTER	12100	<	7.1	B Jn
PCD	05/27/97		SPRING	31500	<	3.1	B
PCD	05/27/97	D	SPRING	31300	<	6.6	B
PCD	08/29/97		SUMMER	29600	4.5 B	<	
PCD	08/29/97	D	SUMMER	29400	4.9 B	<	
PCD	11/12/97		FALL	32100	<	<	
PCU	02/20/97		WINTER	11200	<	4.9	B Jn
PCU	05/27/97		SPRING	24600	6.2 B	4.2	B
PCU	08/29/97		SUMMER	21100	<	<	
PCU	11/12/97		FALL	21800	<	<	
PCU	11/12/97	D	FALL	21600	<	<	
STPO	02/20/97		WINTER	143000	9.3 B	32.3	Jn
STPO	02/20/97	D	WINTER	141000	9.4 B	41.9	Jn
STPO	05/27/97		SPRING	196000	19.3	20.5	
STPO	08/29/97		SUMMER	174000	14.6 B	58.8	Jn
STPO	11/12/97		FALL	143000	12.4	<	

TABLE 5.5
SUMMARY OF CHEMICAL DETECTIONS - SURFACE WATER
GENERAL CHEMICALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Quarter	Analyte Units	ALKALINITY, TOTAL (AS CaCO ₃) mg/L	CHLORIDE mg/L	HARDNESS mg/L	NITRATE-N mg/L	SULFATE mg/L	TOTAL DISSOLVED SOLIDS mg/L	TOTAL ORGANIC CARBON mg/L
PCD	02/20/97		WINTER		--	--	--	0.39	--	170.	3.3
PCD	05/27/97		SPRING		--	--	249000	3.05	--	305.	3.01
PCD	05/27/97	D	SPRING		--	--	250000	3.04	--	308.	3.04
PCD	08/29/97		SUMMER		200. *	23.1 *	--	1.63 *	24.7 *	261. *	3.12
PCD	08/29/97	D	SUMMER		190. *	23.1 *	--	1.65 *	24.7 *	259. *	3.32
PCD	11/12/97		FALL		205.	25.5	--	3.02	29.8	293. [Jc	3.49 N[Im
PCU	02/20/97		WINTER		--	--	--	0.35	--	146.	3.3
PCU	05/27/97		SPRING		--	--	255000	2.69	--	280.	2.87
PCU	08/29/97		SUMMER		187. *	13.7 *	--	1.45 *	20.7 *	204. *	3.1
PCU	11/12/97		FALL		206.	17.9	--	2.66	27.8	276. [Jc	2.91 N[Im
PCU	11/12/97	D	FALL		204.	17.9	--	2.64	27.8	286. [Jc	3.21
STPO	02/20/97		WINTER		--	--	--	7.37	--	561.	9
STPO	02/20/97	D	WINTER		--	--	--	7.32	--	566.	9.1
STPO	05/27/97		SPRING		--	--	208000	7.8	--	700.	8.26
STPO	08/29/97		SUMMER		256. *	139 *	--	4.96 *	76 *	629. *	6.06
STPO	11/12/97		FALL		216.	123	--	9.55	57.3	572. [Jc	9.53 N[Im

TABLE 5.5
SUMMARY OF CHEMICAL DETECTIONS - SURFACE WATER
VOLATILE ORGANIC COMPOUNDS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Analyte Units				ACETONE ug/L	BROMODICHLOROMETHANE ug/L	BROMOFORM ug/L	CHLOROFORM ug/L	DIBROMOCHLOROMETHANE ug/L	METHYLENE CHLORIDE ug/L
Location	Date	QA	Quarter						
PCD	05/27/97		SPRING	<	0.9 J	<	0.9	0.8 J	<
PCD	05/27/97	D	SPRING	<	0.8 J	<	0.9	0.7 J	<
PCD	09/03/97		SUMMER	<	0.5 J	<	0.7	<	<
PCD	09/03/97	D	SUMMER	6.3 Jcf	0.6	<	0.8	0.6	<
PCD	11/12/97		FALL	2.6 J	<	<	0.3 J	<	<
PCU	09/03/97		SUMMER	1.1 Jc	<	<	<	<	<
PCU	11/12/97	D	FALL	1.5 J	<	<	<	<	<
STPO	02/20/97		WINTER	<	1.4	<	4.5	<	<
STPO	02/20/97	D	WINTER	<	1.4	<	4.7	0.4 J	<
STPO	05/27/97		SPRING	3.8 J	19	2.7	14	18	0.5 J
STPO	09/03/97		SUMMER	6.9 Jc	19	2.9	13	18	<
STPO	11/12/97		FALL	2.9 J	3.1	<	4.3	1.1	1.0 J

TABLE 5.5
SUMMARY OF CHEMICAL DETECTIONS - SURFACE WATER
SEMI-VOLATILE ORGANIC COMPOUNDS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

				Analyte	BIS(2-ETHYLHEXYL)PHTHALATE	
				Units	ug/L	
Location	Date	QA	Quarter			
STPO	02/20/97		WINTER		0.70	J]
STPO	02/20/97	D	WINTER		0.56	J]

TABLE 5.5
SUMMARY OF CHEMICAL DETECTIONS - SURFACE WATER
PESTICIDES
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Quarter	Analyte Units	4,4'-DDD ug/L	4,4'-DDT ug/L	ALDRIN ug/L	ALPHA-CHLORDANE ug/L	HEPTACHLOR EPOXIDE ug/L
PCD	08/29/97		SUMMER		0.01 J]	<	<	<	<
PCU	08/29/97		SUMMER		<	0.039 Jw	0.003 J]	<	0.003 J]
STPO	08/29/97		SUMMER		0.027	<	<	0.007 JPJNu	<

TABLE 5.5
SUMMARY OF CHEMICAL DETECTIONS - SURFACE WATER
RADIONUCLIDES
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	AMERICIUM-241		BISMUTH-214		GROSS BETA		LEAD-212		LEAD-214		RADIUM-226		TRITIUM	
				pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA	pCi/L	MDA
PCD	02/20/97		WINTER	<		<		2.7±1.4	2.2	<		<		<		<	
PCD	05/27/97		SPRING	<		<		<		<		<		<		790±230	240
PCD	05/27/97	D	SPRING	0.026±0.025	0.017	23±14.	µf 18.	<		48±14.	µf 15.	<		<		710±220	230
PCD	11/12/97		FALL	--		11.3±9.1	12.	<		<		<		<		<	230
PCU	02/20/97		WINTER	<		17.1±7.5	9.7	<		<		10.4±6.4	9.2	<		<	
PCU	05/27/97		SPRING	<		<		<		<		<		0.19±0.18	0.13	<	
PCU	11/12/97		FALL	--		--		--		--		--		--		<	
PCU	11/12/97	D	FALL	--		--		--		--		--		--		<	
STPO	02/20/97		WINTER	<		<		19.7±4.4	Cpf 5.6	<		<		<		<	
STPO	02/20/97	D	WINTER	--		--		--		--		--		--		<	
STPO	02/24/97	D	WINTER	<		<		10.4±3.9	Cpf 5.8	<		<		<		--	
STPO	05/27/97		SPRING	<		<		13.8±5.1	Cf 7.4	<		<		<		<	
STPO	11/12/97		FALL	--		--		--		--		--		--		<	

TABLE 5.6
SUMMARY OF CHEMICAL DETECTIONS - STORM WATER
GENERAL CHEMICALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	ALKALINITY, TOTAL (AS CaCO ₃) mg/L	AMMONIA-NITROGEN mg/L	CHEMICAL OXYGEN DEMAND mg/L	CHLORIDE mg/L	HARDNESS mg/L	NITRATE-N mg/L	OIL AND GREASE mg/L	PHOSPHATE, TOTAL (AS P) mg/L
LF-1	11/14/97		FALL	9.8	B	--	1.12	--	1.48	--	--
LF-3	05/23/97		SPRING	155	--	--	9.35	158	0.645	--	--
LF-3	11/26/97		FALL	65.7	--	--	16.2	55.6	--	--	--
LF-3	11/26/97	D	FALL	65.1	--	--	16.4	54.6	--	--	--
LS-1	12/10/96		FALL	--	--	--	--	--	2.0	--	0.576
LS-1	05/23/97		SPRING	57.8	1.28	83	88.6	--	0.961	--	--
LS-1	05/23/97	D	SPRING	62.1	1.06	95.6	89.1	--	0.983	1.2	0.591
LS-1	11/14/97		FALL	10.8	--	--	2.18	--	0.254	--	--
SD-1	12/10/96		FALL	--	--	--	--	--	0.42	--	--

TABLE 5.6
SUMMARY OF CHEMICAL DETECTIONS - STORM WATER
GENERAL CHEMICALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units	SULFATE mg/L	SURVIVAL BIOASSAY %	TOTAL DISSOLVED SOLIDS mg/L	TOTAL KJELDAHL NITROGEN mg/L	TOTAL ORGANIC CARBON mg/L
			Quarter					
LF-1	11/14/97		FALL	0.898 B	95	36.0 Jc	--	3.93 N m
LF-3	05/23/97		SPRING	18.5	100	247.	--	28.3
LF-3	11/26/97		FALL	8.25	--	167. Jc	--	11.9
LF-3	11/26/97	D	FALL	8.11	--	179. Jc	--	13
LS-1	12/10/96		FALL	--	--	350	--	--
LS-1	05/23/97		SPRING	8.47	100	283	3.29	32.1
LS-1	05/23/97	D	SPRING	8.5	--	266	3.75	35.9
LS-1	11/14/97		FALL	1.85	100	51	--	13.4
SD-1	12/10/96		FALL	--	--	160	--	--

TABLE 5.6
SUMMARY OF CHEMICAL DETECTIONS - STORM WATER
METALS
1997 ANNUAL WATER MONITORING REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION - DAVIS, CALIFORNIA

Location	Date	QA	Analyte Units Quarter	ANTIMONY ug/L	ARSENIC ug/L	BARIUM ug/L	CALCIUM ug/L	CHROMIUM ug/L	COBALT ug/L	COPPER ug/L	IRON ug/L
LF-1	11/14/97		FALL	4.2 B	<	9.7 B	2750	<	<	10.9	<
LF-3	05/23/97		SPRING	1.1 B	<	82 [Jn	20000	1.7 B	1.4 B	8.5 B	<
LF-3	11/26/97		FALL	<	3.1 B	36.6	8550	<	<	15.6	<
LF-3	11/26/97	D	FALL	<	3.1 B	40.9	8310	<	<	15.6	910 [Jf
LS-1	12/10/96		FALL	<	15.6	293	18600	115	25.8	74	39000
LS-1	05/23/97		SPRING	25.6	6	33.6	10500	<	1.3 B J	<	<
LS-1	05/23/97	D	SPRING	29	8.5	33	10100	<	1.4 B J	<	<
LS-1	11/14/97		FALL	4.4 B	<	<	2290 B	<	<	3.5 B	95.7
SD-1	12/10/96		FALL	<	6.9	161	9010	64	16.4	41.5	22000

TABLE 5.6
SUMMARY OF CHEMICAL DETECTIONS - STORM WATER
METALS
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Location	Date	QA	Analyte Units Quarter	LEAD ug/L	MAGNESIUM ug/L	MANGANESE ug/L	MERCURY ug/L	MOLYBDENUM ug/L	NICKEL ug/L	POTASSIUM ug/L	SELENIUM ug/L
LF-1	11/14/97		FALL	<	2000 B	<	<	<	<	2780	<
LF-3	05/23/97		SPRING	<	26100	69.7 µn	<	1.0 B	9.7 B	19300	4.4
LF-3	11/26/97		FALL	<	8320	<	<	<	23.4	27500	<
LF-3	11/26/97	D	FALL	<	8220	<	<	<	33.4	27300	<
LS-1	12/10/96		FALL	12.4	31300	570	0.79 *µd	4.9 B	247	61900	<
LS-1	05/23/97		SPRING	2 B	7310	63.4	0.2	1.1 B	8.1 B	5170	<
LS-1	05/23/97	D	SPRING	2.3	7040	67.2	0.2	<	8.2 B	4520	<
LS-1	11/14/97		FALL	1.4 B	1070 B	11.4 B	<	1.2 B	2.2 B	2160 B	<
SD-1	12/10/96		FALL	23.5	14200	486	0.20 *	<	140	6660	<