2Q/96

GROUNDWATER MONITORING
DATA SUMMARY REPORT
SECOND QUARTER 1996

DOUGLAS AIRCRAFT COMPANY C-6
FACILITY
TORRANCE, CALIFORNIA

K/J 944016.02

JULY 1996

Kennedy/Jenks Consultants

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1.0 INTRODUCTION

The Douglas Aircraft Company (DAC) C-6 Facility is located at 19503 South Normandie Avenue, Torrance, California (Figure 1). Quarterly groundwater sampling is being conducted in response to the California Regional Water Quality Control Board - Los Angeles Region correspondence to DAC, dated 7 April 1992. This report summarizes laboratory analytical data generated through the chemical analysis of groundwater samples collected 6 and 7 June, Second Quarter 1996.

2.0 QUARTERLY MONITORING PROGRAM

Second Quarter 1996 groundwater sampling was performed in accordance with standard sampling procedures. Static water level depths were measured on 6 June 1996 prior to initiating purging of groundwater from any observation well. Static water depths in monitoring wells (MW-9, MW-18 and MW-19) located in the southern portion of the DAC property installed for the Montrose Chemical Corporation Remedial Investigation were not measured for this quarter.

Groundwater samples were collected from the following fifteen wells (Figure 2) and chemically analyzed for volatile organic compounds (VOCs) by EPA Method 8240/8260 for the Second Quarter 1996.

> WCC-1S, WCC-2S, WCC-3S, WCC-4S, WCC-5S, WCC-6S, WCC-7S, WCC-8S, WCC-9S, WCC-10S, WCC-11S, WCC-12S, WCC-1D, WCC-3D, and DAC-P1.

Table 1 summarizes observation well construction details. Tables 2 and 3 summarize the results of chemical analysis of groundwater samples and duplicates for major and minor constituents at the C-6 facility, respectively. Chemicals detected in samples from each observation well are shown in Figure 3. Table 4 summarizes available measured groundwater elevations to date. Estimated groundwater elevation contours for the Second Quarter are presented in Figure 4. Historical chemical concentration profiles for the indicator chemicals trichloroethene and 1,1-dichloroethene are shown in Figure 5. Copies of laboratory data sheets, laboratory/field Quality Control data sheets, groundwater purge and sample forms, and Chain-of-Custody records are included in Appendices A, B, C, and D respectively.

2.1 Groundwater Sampling Procedures

Prior to collecting groundwater samples from each well, groundwater was purged using an electrical submersible pump that was temporarily installed in the observation well. After lowering the pump to the approximate mid-point of the saturated well screen, approximately three to five wetted casing volumes of groundwater were purged from the well until the following groundwater monitoring parameters had stabilized to within 10% of preceding values: pH, electrical conductivity, and temperature. Purged groundwater was stored onsite in DOT approved 55 gallon barrels pending the results of laboratory analysis of samples.

Following groundwater purging, the flow rate of the submersible pump was reduced to 200 milliliters/minute. To collect a representative groundwater sample, the pump intake valve was positioned at the approximate mid-point of the saturated well screen interval. The recovered water was discharged into three labeled 40-ml capacity vials, preserved with HCl.

2.2 Field QA/QC Procedures

Duplicate groundwater samples were collected for the sampling round on 6 and 7 June 1996 for quality control purposes. The duplicates were collected in three HCl-preserved vials and identified by inserting the collection date after "DW-" (DW-060696 and DW-060796). No further sample identification was provided to the laboratory. Duplicate samples were taken on 6 and 7 June from observation wells WCC11S-15 and DACP1-15, respectively.

Following decontamination of the submersible pump, and prior to collection of groundwater samples from the successive well, an equipment rinsate blank was prepared for laboratory analysis. The equipment rinsate blank was prepared by pouring Reagent Grade II water, prepared by the analytical laboratory, over the pump and collecting the rinsate in two 40-ml vials preserved with HCl. The blank was identified following a similar protocol to that used for duplicate water samples and is identified as "EB followed by the date". EB060796 was collected after sampling well WCC6S-15 and before well DACP1-15. Trip blanks were also analyzed for sampling and shipping activities for each day of sampling and are identified as TB-060696 and TB-060796.

All groundwater, duplicate, and field blank samples were transported in ice-cooled chests to Curtis & Tompkins, Ltd., General Analytical Laboratory, Irvine, California using U.S. EPA-recommended Chain-of-Custody procedures.

3.0 EVALUATION OF ANALYTICAL RESULTS

3.1 Groundwater Gradient

Groundwater levels were measured prior to sampling on 6 June 1996 (Table 4 and Appendix C). The shallow zone groundwater elevations measured for this quarter ranged from 14.71 feet below mean sea level (MSL) to 16.01 feet below MSL. An estimated potentiometric surface map for the shallow zone as measured on this day is presented as Figure 4. The groundwater gradient in the shallow zone was generally east-southeast with an easterly directed trough-like depression between observation wells WCC-12S and WCC-4S.

Insufficient data (two wells) are available to define the groundwater gradient in the deeper zone. Groundwater elevations in the two wells (WCC-1D and WCC-3D) were approximately 15.73 and 15.57 feet below MSL, respectively.

3.2 Analytical Data

The results of chemical analysis of groundwater and duplicate samples are summarized in Tables 2 and 3. Table 2 lists major constituents and Table 3 lists additional minor constituents of samples tested. The duplicate groundwater samples are indicated by an asterisk and are presented with the "original" groundwater samples. These tables include cumulative analytical data for all monitoring wells and detection limits (where available) for the listed chemicals.

The following observations are noted:

- Data for groundwater samples collected from well DAC-P1, located at the upgradient property boundary, indicate a TCE concentration of 13,000 micrograms per liter (µg/L) coming onto DAC's property. Other chemicals detected in well DAC-P1 include 1,1-DCE, 1,1,1-TCA, cis-1,2-DCE, and toluene. The concentrations of these chemicals were within historical ranges. DAC-P1 is screened in the shallow zone.

- Background concentrations of TCE and 1,1-DCE in the shallow zone upgradient or cross gradient wells WCC-10S, WCC-2S, and WCC-11S decreased slightly, but are within historical ranges at concentrations of 33 to 170 µg/L of TCE and less than 7 to 29 µg/L of 1,1-DCE.

- Groundwater elevation data (Figure 4) and chemical concentration data (Figure 3) indicate that chemical transport in the shallow zone is generally in an east southeasterly direction in the vicinity of buildings 36 and 41. Most chemical concentration data from the eastern boundary observation wells (WCC-5S, and WCC-9S) are within the same range or lower than upgradient or cross gradient "background level" wells (WCC-10S, WCC-2S and WCC-11S).

- Most of the other chemical concentrations increased since the last sampling, but the variances remain within typical historical ranges.

- Analytical data from the equipment rinsate blanks, sample duplicates, trip blanks, and laboratory spikes and duplicates are indicative of reliable data. Low level detections of methylene chloride in the rinsate blank and trip blank are considered to be laboratory contaminants.

BOE-C6-0017879

TABLES

TABLE 1
OBSERVATION WELL CONSTRUCTION DETAILS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER, 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

Well	Date Constructed	Well Diameter (inches)	Total Depth of Borehole (Feet)	Depth of Screened Interval (Feet)	Depth to top of Sand Filter Pack (Feet)	Well Casing Material and Slot Size	Hydrogeologic Unit Screened
WCC-1S[1]	3/26/87	2	91	78-88	72	Schedule 40 PVC0.020-Inch Slots	Shallow
WCC-2S[1]	10/28/87	4	90.5	70-90	63	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-3S[1]	10/26/87	4	92	69-89	64	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-4S[1]	10/27/87	4	91.5	70.5-90.5	65	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-5S[1]	11/24/87	4	91	60.5-91	58.5	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-6S[2]	9/22/89	4	91	60-90	N/A[3]	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-7S[2]	6/8/89	4	90.5	60-90	54	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-8S[2]	6/12/89	4	90	59.5-89 5	54	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-9S[2]	9/21/89	4	91.5	60-90	55	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-10S	6/7/89	4	90.8	60-90	54	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-11S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-12S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC0.010-Inch Slots	Shallow
DAC-P[1]	9/25/89	4	N/A	60-90(?)	N/A	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-1D[2]	6/30/89	4	140	120-140	115	Schedule 40 PVC0.010-Inch Slots	Deeper
WCC-3D[2]	6/27/89	4	140	120-140	114	Schedule 40 PVC0.010-Inch Slots	Deeper
MW-8[4]	5/10/89	4	85	65-80	62	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-9[4]	5/9/89	4	85	66-81	61	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-18[4]	3/29/90	4	84	68-83	67	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-19[4]	3/30/90	4	80	63-79	62	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow

NOTES:

1. Data from Woodward-Clyde Consultants Phase II Report, May 1988
2. Data from Woodward-Clyde Consultants Phase III Report, March 1990
3. N/A = Not Available
4. Data from Hargis + Associates, Final Draft, Remedial Investigation, Montrose Site, Torrance, Ca, October 1992

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-1S	03/27/87	2,800	-	300	4,600	-	-	-	-	85	-	-
	*04/13/87	3,700/2,500	-/-	260/120	5,500/3,600	-/-	-/-	/-	-/-	110	-/-	/-
	11/12/87	3,000	23	160	5,200	-	-	75	39	160	-	-
	07/13/89	900	<20	67	2,400	<100	<20	<20	<20	<20	<20	-
	08/23/89	1,500	30	<30	2,800	<100	41	<30	<30	<30	<30	-
	11/18/91	1,300	-	-	3,700	-	-	-	-	-	-	-
	06/17/92	1,700	<50	<50	3,800	<100	<5	<50	<50	<50	<50	<100
	09/23/92	1,500	13	16	3,400	<5	<1	14	13	37	1	<5
	12/09/92	1,500	<30	<30	3,100	<100	<30	<30	<30	30	<30	<100
	03/18/93	1,000	13	15	2,100	<5	27	15	14	33	<2	<10
	06/08/93	1,200	<20	<20	2,400	<200	27	<20	<20	35	<20	<400
	08/25/93	1,700	<20	<20	3,300	<200	27	<20	<20	42	<20	<400
	11/19/93	1,600	<20	<20	2,600	<200	25	<20	<20	38	<20	<400
	2/24/94	1,800	<20	<20	2,700	<200	33	21	<20	39	<20	<400
	6/13/94	1,000	11	11	1,700	<100	20	16	<10	<10	<10	<200
	9/9/94	1,400	<40	<40	2,300	<400	<40	<40	<40	<40	<40	<800
	12/22/94	3,000	23	24	3,100	<200	38	36	<20	57	<20	<400
	3/14/95	2,000	<20	<20	2,300	<200	22	22	<20	34	<20	<400
	6/13/95	2,700	20	<20	3,200	<200	29	31	<20	45	<20	<400
	9/7/95	1,800	22	22	2,600	<10	37	37	16	51	<5	<10
	12/15/95*	2,900/2,800	26/26	22/22	2,600/2,500	nr	34/33	40/40	17/16	42/42	<2/<2	nr
	3/04/96	3,000	27	24	2,700	<40	35	45	<20	<20	<20	<40
	6/7/96	2,500	24	20	2,200	<20	28	39	17	7	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

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WCC-2S	11/02/87	5	-	5		-	-	-	-	-	6	-
	11/12/87	2	-	1	4	-	-	-	-	-	1	-
	7/13/89	<1	<1	<1	5	<5	<1	<1	<1	<1	<1	-
	8/23/89	<1	<1	<1	3	<5	<1	<1	<1	<1	<1	-
	11/19/91	30	-	8	110	-	-	-	-	-	75	-
	06/16/92	30	<5	<5	100	<10	<5	<5	<5	<5	<5	<10
	*09/22/92	18/19	<1/<1	<1/<1	110/97	<5/<5	<1/<1	<1/<1	<1/<1	<1/<1	1/1	<5/<5
	*12/08/92	49/27	<1/<1	2/2	140/99	<5/<5	<1/<1	<1/<1	<1/2	<1/<1	<1/<1	<5/<5
	*03/17/93	32/33	<2/<2	<2/<2	110/100	<5/<5	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<10/<10
	06/07/93	48	<2	<2	150	<20	<2	<2	<2	<2	<2	<40
	08/24/93	16	<2	<2	90	<20	<2	<2	<2	<2	<2	<40
	11/19/93	41	<2	<2	94	<20	<2	<2	<2	<2	<2	<40
	2/24/94	30	<2	<2	96	<20	<2	<2	<2	<2	<2	<40
	6/10/94	24	<2	<2	97	<20	<2	<2	<2	<2	<2	<40
	9/8/94	37	<2	<2	150	<20	<2	<2	<2	<2	<2	<40
	12/22/94	28	<2	<2	110	<20	<2	<2	<2	<2	<2	<40
	3/13/95	27	<2	<2	160	<20	<2	<2	<2	<2	<2	<40
	6/12/95	30	<2	<2	130	<20	<2	<2	<2	<2	<2	<40
	9/6/95	56	<5	<5	200	<10	<5	<5	<5	<5	<5	<10
	12/15/95	15	<2	<2	60	nr	<2	<2	<2	<2	<2	nr
	3/01/96	<5	<5	<5	21	<10	<5	<5	<5	<5	<5	<10
	6/6/96	7	<5	<5	33	<10	<5	<5	<5	<5	<5	<10

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WCC-3S	11/02/87	38,000	-	110,000	10,000	54,000	-	-	-	-	80,000	-
	11/12/87	88,000	1,000	54,000	11,000	70,000	-	1,000	-	-	140,000	-
	7/13/89	18,000	<500	56,000	7,700	<3000	<500	660	<500	<500	32,000	-
	08/23/89	56,000	<1,000	78,000	6,000	<5000	<1,000	<1,000	<1,000	<1,000	56,000	-
	11/14/91	12,000	400	6,900	7,900	70,000	550	550	250	-	27,000	12,000
	06/17/92	25,000	<5,000	13,000	13,000	100,000	<5,000	<5,000	<5,000	<,5000	51,000	<10,000
	09/23/92	22,000	<500	7,800	12,000	82,000	<500	<500	<500	<500	52,000	<3,000
	12/09/92	21,000	<500	5,600	11,000	90,000	700	600	<500	<500	44,000	4,000
	*03/18/93	20,000/20,000	650/510	21,000/22,000	8,800/8,800	44,000/45,000	650/640	640/670	120/110	240/260	42,000/42,000	<50/<50
	06/08/93	16,000	420	5,900	8,600	79,000	520	480	<100	210	37,000	<2,000
	*08/25/93	21,000/20,000	500/560	10,000/9,500	11,000/9,700	50,000/49,000	670/700	680/710	<400/<10	<400/250	46,000/40,000	<8,000/660
	11/19/93	26,000	690	19,000	10,000	47,000	1,100	840	<200	280	50,000	<4,000
	2/24/94	15,000	310	9,600	2,500	15,000	2,500	360	<200	<200	25,000	<4,000
	6/13/94	13,000	310	6,200	820	9,900	4,100	360	<200	<200	23,000	<4000
	*9/9/94	23,000/25,000	520/560	9,000/9,800	<500/<500	6,000/5,000	7,700/8,400	600/640	<500/<500	<500/<500	43,000/47,000	<10000/<1000
	12/22/94	20,000	440	6,700	390	3,400	6,700	530	<200	200	35,000	<4,000
	3/14/95	24,000	570	8,700	2,300	4,600	6,200	670	<200	230	40,000	<4,000
	6/13/95	22,000	450	4,800	1,200	6,600	6,300	500	<400	<400	39,000	<8000
	9/7/95	13,000	480	4,100	910	4,600	6,000	520	76	220	31,000	<200
	12/16/95	12,000	350	3,100	670	nr	4,400	400	45	130	**23000	nr
	3/04/96	8,400	230	1,900	480	200	3,200	280	<50	100	15,000	<100
	6/7/96	11,000	310	2,400	240	61	3,400	340	38	110	18,000	32

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

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TORRANCE, CA

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WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-4S	11/02/87	360	-	14	700	-	-	2	2	-	-	-
	11/12/87	1,200	-	35	690	-	-	-	-	-	-	-
	7/13/89	170	<3	11	270	-	10	<3	<3	<3	<3	-
	08/23/89	360	<5	7	410	<20	15	<5	<5	<5	<5	-
	11/18/91	1,000		20	2,200	<30	-	-	-	-	-	-
	06/17/92	920	<25	<25	1,500	<50	<25	<25	<25	<25	<25	<50
	09/23/92	1,400	<10	20	1,900	<50	<10	<10	10	<10	<10	<50
	12/08/92	1,000	<10	20	1,600	<50	10	<10	10	<10	<10	<50
	03/17/93	810	8	14	1,200	<5	8	5	5	6	<2	<10
	06/08/93	1,300	<10	12	1,800	<100	10	<10	<10	<10	<10	<200
	08/25/93	1,100	<10	<10	1,400	<100	<10	<10	<10	<10	<10	<200
	11/19/93	610	17	8	700	<40	6	5	<4	4	9	<80
	2/24/94	1,100	5.8	8.8	980	<40	8.7	7.2	5.1	6.4	<4	<80
	6/14/94	800	<4	5	940	<40	7.1	5.2	<4	<4	<4	<80
	9/9/94	1,000	<20	<20	1,300	<200	<20	<20	<20	<20	<20	<400
	12/22/94	670	<10	<10	750	<100	<10	<10	<10	<10	<10	<200
	3/14/95	400	9.8	4.9	450	<40	4.9	<4	<4	<4	<4	<80
	6/13/95	1,100	8.6	<6.6	1,100	<66	7.9	<6.6	<6.6	7	<6.6	<130
	9/7/95	910	8	6	1,200	<10	10	9	7	13	<5	<10
	12/15/95	1,100	4	<2	1,200	nr	8	7	4	2	<2	nr
	3/04/96	710	<5	<5	770	<10	6	6	<5	<5	<5	<10
	6/7/96	740	<5	<5	830	<10	5	<5	<5	<5	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
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SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-5S	11/30/87	7	-	1	-	-	-	-	-	-	1	-
	01/08/88	4	-	10	-	-	-	-	-	-	-	-
	*07/13/89	3/3	<1/<1	13/12	<5/<5	<1/<1	6/6	<1/<1	<1/<1	<1/<1	<1/<1	-
	08/23/89	<1	<1	12	<5	<1	4	<1	<1	<1	<1	-
	11/19/91	20	-	-	8	-	-	-	-	-	7	-
	06/15/92	28	<5	<5	7	<10	<5	<5	<5	<5	<5	<10
	09/21/92	21	<1	<1	5	<5	<1	<1	<1	<1	<1	<5
	12/07/92	21	<1	<1	5	<5	<1	<1	<1	<1	<1	<5
	03/16/93	18	<2	<2	4	<5	<2	<2	<2	<2	<2	<10
	06/07/93	22	<2	<2	4	<20	<2	<2	<2	<2	<2	<40
	08/24/93	23	<2	<2	5	<20	<2	<2	<2	<2	<2	<40
	11/18/93	21	<2	<2	3	<20	<2	<2	<2	<2	<2	<40
	2/23/94	20	<2	<2	4	<20	<2	<2	<2	<2	<2	<40
	*6/10/94	25/25	<2/<2	<2/<2	3.4/3.4	<20<20	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	9/8/94	18	<2	<2	3.3	<20	<2	<2	<2	<2	<2	<40
	12/21/94	18	<2	<2	2.9	<20	<2	<2	<2	<2	<2	<40
	3/13/95	14	<2	<2	2.8	<20	<2	<2	<2	<2	<2	<40
	6/12/95	19	<2	<2	3.2	<20	<2	<2	<2	<2	<2	<40
	9/6/95	18	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
	12/12/95	15	<2	<2	3	nr	<2	<2	<2	<2	<2	nr
	2/29/96	10	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
	6/6/96	9	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-6S	10/06/89	210	4	130	140	<5	12	7	<1	<1	<1	-
	11/16/91	5,800		5,000		17,000	-	-	-	-	35,000	21,000
	06/17/92	5,400	<500	2,100	3,000	7,600	<500	<500	<500	<500	15,000	6,300
	09/23/92	5,900	94	1,300	3,100	7,500	200	170	20	67	10,000	3,600
	*12/09/92	3,700/5,600	80/<100	680/1,400	2,700/3,200	3,400/<500	200/200	100/200	<50/<100	80/<100	5,000/10,000	3,000/5,000
	03/17/93	3,200	50	1,200	1,400	3,900/<500	<10	80	15	40	10,000	3,800
	06/08/93	5,500	<100	1,900	2,100	13,000	260	120	<100	<100	21,000	7,800
	08/25/93	5,400	<100	2,100	1,900	11,000	630	130	<100	<100	19,000	7,600
	11/19/93	2,200	42	440	670	4,700	480		<10	24	4,900	3,100
	2/24/94	11,000	91	2,200	1,800	13,000	1,400	140	21	52	20,000	4,400
	*6/13/94	5,800/6,300	87/<100	1,900/1,500	1,400/1,300	4,400/5,200	1,600/1,400	130/100	18/<100	52/<100	12,000/<13,000	1,400/<2,000
	9/9/94	Not sampled; well head obstructed										
	12/22/94	9,100	<200	1,300	1,900	4,800	2,500	<200	<200	<200	16,000	<4,000
	3/14/95	3,000	38	200	930	390	850	60	<20	25	2,300	<400
	6/13/95	9,800	130	810	510	450	4,200	180	28	82	8,400	<400
	*9/7/95	4,300/3,800	55/70	370/310	620/520	240/180	2,400/2,200	83/99	14/19	50/56	2,900/2,500	12/11
	12/16/95	11,000	120	1,400	2,000	nr	2,600	160	28	66	4,900	nr
	3/04/96	8,300	93	1,600	2,000	350	2,000	140	<50	56	3,900	340
	6/7/96	9,300	88	1,700	2,400	780	3,000	120	<25	54	6,500	960

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-7S	07/13/89	850	<10	110	1,300	<50	26	11	<10	<10	<10	-
	08/23/89	1,100	<30	66	1,400	<100	31	<30	<30	<30	<30	-
	11/18/91	390	-	-	1,200	-	-	-	-	-	-	-
	06/17/92	230	<5	<5	560	<10	<5	<5	<5	<5	<5	<10
	09/23/92	140	<5	<5	570	<30	<5	<5	<5	<5	<5	<30
	12/08/92	140	<5	<5	430	<30	<5	<5	<5	<5	<5	<30
	03/17/93	77	<2	<2	200	<5	4	<2	<2	<2	<2	<10
	06/07/93	120	<2	<2	330	<20	4	<2	<2	<2	<2	<40
	08/25/93	70	<4	<4	210	<40	4	<4	<4	<4	<4	<80
	11/19/93	56	<2	<2	130	<20	<2	<2	<2	<2	<2	<40
	2/24/94	75	<2	<2	140	<20	2.5	<2	<2	<2	<2	<40
	6/13/94	58	<2	<2	110	<20	2.5	<2	<2	<2	<2	<40
	9/8/94	50	13	<2	250	<20	<2	<2	<2	<2	<2	<40
	12/22/94	94	<2	<2	94	<20	<2	<2	<2	<2	<2	<40
	3/14/95	53	<2	<2	84	<20	<2	<2	<2	<2	<2	<40
	*6/13/95	110/98	<2/<2	<2/<2	230/220	<20/<20	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	9/7/95	150	<5	<5	200	<10	<5	<5	<5	<5	<5	<10
	12/15/95	98	<2	<2	140	nr	<2	<2	<2	<2	<2	nr
	3/01/96	91	<5	<5	120	<10	<5	<5	<5	<5	<5	<10
	6/7/96	100	<5	<5	130	<10	<5	<5	<5	<5	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-8S	07/13/89	430	<5	160	240	<30	7	9	<5	<5	<5	-
	08/23/89	820	<5	130	430	<30	7	<5	<5	<5	<5	-
	11/15/91	2,600	-	400	3,000	-	40	40	25	-	120	-
	*06/17/92	2,200/2,300	<25/<50	180/180	2,400/2,600	<50/<100	<25/<50	<25/<50	<25/<50	<25/<50	<25/<50	<50/<100
	09/23/92	2,800	<20	200	3,100	<100	<20	20	20	<20	<20	<100
	12/08/92	2,000	<20	100	2,500	<100	20	30	20	20	<20	<100
	03/17/93	1,800	11	180	1,500	<5	15	26	10	15	<2	<10
	06/08/93	3,000	<20	300	2,000	<200	<20	40	<20	<20	<20	<400
	08/25/93	3,100	<20	330	2,200	<200	<20	45	<20	<20	<20	<400
	11/19/93	3,300	<20	330	2,000	<200	<20	50	<20	24	<20	<400
	2/24/94	3,400	<20	300	1,200	<200	<20	35	<20	<20	<20	<400
	6/13/94	4,000	<40	290	2,200	<400	<40	44	<40	<40	<40	<800
	9/9/94	4,600	<50	280	3,100	<500	<50	<50	<50	<50	<50	<1000
	12/22/94	4,000	<20	230	2,100	<200	<20	43	<20	25	<20	<400
	3/14/95	4,500	<40	220	2,600	<400	<40	41	<40	<40	<40	<800
	6/13/95	4,200	<40	150	2,400	<400	<40	<40	<40	<40	<40	<800
	9/7/95	2,200	10	110	1,700	<10	15	28	9	22	<5	<10
	12/15/95	4,200	16	120	2,300	nr	18	40	<2	10	<2	nr
	*3/01/96	3,500/3,600	<20/<20	120/120	2,100/2,200	<40/<40	<20/<20	40/41	<20/<20	<20/<20	<20/<20	<40/<40
	6/7/96	3,300	11	91	2,000	<10	12	32	10	<5	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-9S	10/06/89	<1	<1	<1	15	<5	7	<1	<1	<1	<1	-
	11/19/91	-	-	-	20	-	-	-	-	-	-	-
	06/15/92	7	<5	<5	42	<10	<5	<5	<5	<5	<5	<10
	09/21/92	6	<1	<1	45	<5	2	<1	6	<1	<1	<5
	12/07/92	10	<1	<1	51	<5	<1	<1	12	<1	<1	<5
	03/16/93	6	<2	<2	23	<5	3	<2	11	<2	<2	<10
	*06/07/93	11/11	<2/<2	<2/<2	42/39	<20/<20	<2/<2	<2/<2	18/17	<2/<2	<2/<2	<40/<40
	08/24/93	5	<2	<2	26	<20	4	<2	<2	<2	<2	<40
	11/18/93	5	<2	<2	43	<20	<2	<2	7	<2	<2	<40
	2/23/94	<4	<2	<2	31	<20	2	<2	4	<2	<2	<40
	6/10/94	<4	<2	<2	28	<20	4.4	<2	2.5	<2	<2	<40
	9/8/94	<4	<2	<2	38	<20	2.7	<2	4.1	<2	<2	<40
	*12/21/94	<4/<4	<2/<2	<2/<2	22/26	<20/<20	3.1/3.3	<2/<2	3.0/3.1	<2/<2	<2/<2	<40/<40
	3/13/95	7	<2	<2	56	<20	<2	<2	8.4	<2	<2	<40
	*6/12/95	<4/<4	<2/<2	<2/<2	23/21	<20/<20	<2/<2	<2/<2	6.4/6	<2/<2	<2/<2	<40/<40
	9/6/95	11	<5	<5	64	<10	<5	<5	19	<5	<5	<10
	12/12/95	4	<2	<2	18	nr	3	<2	4	<2	<2	nr
	2/29/96	<5	<5	<5	17	<10	<5	<5	<5	<5	<5	<10
	6/6/96	<5	<5	<5	15	<10	<5	<5	<5	<5	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-10S	*07/13/89	2/1	<1/<1	<1/<1	86/87	<5/<5	<1/<1	<1/<1	3/3	<1/<1	<1/<1	-
	08/23/89	4	<1	<1	81	5	<1	<1	4	<1	<1	-
	11/20/91	-	-	-	87	-	-	-	-	-	-	-
	06/16/92	10	<5	<5	120	<10	<5	<5	<5	<5	<5	13
	*09/21/92	9/9	<1/<1	<1/<1	120/110	<5/<5	<1/<1	<1/<1	4/4	<1/<1	<1/<1	<5/<5
	12/8/92	8	<1	<1	110	<5	<1	<1	5	<1	<1	<5
	03/16/93	9	<2	<2	130	<5	<2	<2	6	<2	<2	<10
	06/07/93	13	<2	<2	120	<20	<2	<2	4	<2	<2	<40
	08/25/93	<4	<2	<2	120	<20	<2	<2	<2	<2	<2	<40
	11/19/93	9	<2	<2	82	<20	<2	<2	2	<2	<2	<40
	2/23/94	10	<2	<2	110	<20	<2	<2	5	<2	<2	<40
	6/10/94	17	<2	<2	120	<20	<2	<2	4.3	<2	<2	<40
	9/8/94	17	<2	<2	130	<20	<2	<2	<2	<2	<2	<40
	*12/22/94	14/13	<2/<2	<2/<2	99/94	<20/<20	<2/<2	<2/<2	3.1/3.0	<2/<2	<2/<2	<40/<40
	*3/13/95	19/19	<2/<2	<2/<2	120/130	<20/<20	<2/<2	<2/<2	2.2/2.3	<2	<2	<40
	6/12/95	20	<2	<2	140	<20	<2	<2	2.3	<2	<2	
	9/6/95	27	<5	<5	160	<10	<5	<5	<5	<5	<5	<10
	12/16/95	23	<2	<2	135	nr	<2	<2	4	<2	<2	nr
	03/01/96	20	<5	<5	120	<10	<5	<5	<5	<5	<5	<10
	6/6/96	22	<5	<5	140	<10	<5	<5	<5	<5	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-11S	11/15/91	10	-	-	80	-	-	-	-	-	-	-
	06/16/92	21	<5	<5	120	<10	<5	<5	<5	<5	<5	<10
	09/21/92	17	<1	<1	140	<5	2	<1	<1	<1	<1	<5
	12/08/92	13	<1	<1	83	<5	6	<1	<1	<1	<1	<5
	03/16/93	25	<2	<2	160	<5	4	<2	<2	<2	<2	<10
	06/07/93	16	<2	<2	110	<20	5	<2	<2	<2	<2	<40
	08/24/93	14	<2	<2	97	<20	4	<2	<2	<2	<2	<40
	*11/19/93	14/14	<2/<2	<2/<2	100/100	<20/<20	3/3	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	2/23/94	16	<2	<2	100	<20	4	<2	<2	<2	<2	<40
	6/10/94	16	<2	<2	85	<20	4.8	<2	<2	<2	<2	<40
	*9/8/94	20/19	<2/<2	<2/<2	140/120	<20/<20	4 8/5 9	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	12/21/94	26	<2	6	130	<20	4.2	<2	<2	<2	10	<40
	3/13/95	16	<2	<2	100	<20	5.6	<2	<2	<2	<2	<40
	6/12/95	22	<2	<2	130	<20	6	<2	<2	<2	<2	<40
	*9/6/95	31/30	<5/<5	<5/<5	190/200	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10
	12/15/95	34	<2	<2	210	nr	5	<2	<2	<2	<2	nr
	3/1/96	30	<5	<5	170	<10	<5	<5	<5	<5	<5	<10
	*6/6/96	28/29	<5/<5	<5/<5	170/170	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-12S	11/18/91	300	-	17	900	-	-	-	-	-	-	-
	*06/16/92	250/260	<5/5	<5/<5	660/710	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/10
	09/22/92	130	7	1	500	<5	3	<1	3	<1	<1	<5
	12/08/92	160	<5	<5	550	<30	5	<5	<5	<5	<5	<30
	03/17/93	100	7	<2	410	<5	4	8	3	<2	<2	<10
	06/07/93	130	2	<2	370	<20	5	<2	<2	<2	<2	<40
	08/25/93	100	<4	<4	390	<40	<4	<4	<4	<4	9	<80
	11/19/93	45	9	<2	220	<20	<2	<2	<2	<2	<2	<40
	2/24/94	89/77	7.7/3.9	<2/<2	270/220	<20/<20	2.9/3.3	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	6/13/94	84	15	<2	270	<20	2.6	<2	2	<2	<2	<40
	9/9/94	97	<2	<2	160	<20	<2	<2	<2	<2	<2	<40
	12/22/94	52	17	<2	190	<20	2.1	<2	<2	<2	<2	<40
	3/14/95	53	18	<2	230	<20	<2	<2	2.9	<2	<2	<40
	6/12/95	72	28	<2	330	<20	<2	<2	3.2	<2	<2	<40
	9/6/95	60	32	<5	300	<10	<5	<5	<5	<5	<5	<10
	12/15/95	44	10	<2	140	nr	3	<2	2	<2	<2	nr
	3/01/96	47	13	<5	150	<10	<5	<5	<5	<5	<5	<10
	6/7/96	37	12	<5	140	<10	<5	<5	<5	<5	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
DAC-P1	10/09/89	<200	<200	<200	17,000	<1,000	<200	<200	<200	<200	<200	<1,000
	6/17/92	<5	<5	<5	21,000	<10	13	<5	10	<5	<5	<10
	*06/23/92	4/4	<1/<1	<1/<1	28,000/28,000	<5/<5	71/70	1/2	54/51	5/5	<1/<1	<5/<5
	12/09/92	<300	<500	<500	29,000	<3,000	<500	<500	<500	<500	<500	<3,000
	03/18/93	21	<2	44	21,000	7	68	2	44	5	260	<10
	06/08/93	<200	<100	<100	28,000	<1,000	<100	<100	<100	<100	130	<2,000
	08/25/93	<400	<200	<200	27,000	<2,000	<200	<200	<200	<200	300	<4,000
	11/19/93	<40	<20	<20	24,000	<200	81	<20	52	<20	<20	<400
	2/24/94	<40	<20	<20	20,000	<200	89	<20	47	<20	<20	<400
	6/13/94	<40	<20	<20	20,000	<200	92	<20	46	<20	<20	<400
	9/9/94	<400	<200	<200	18,000	<2,000	<200	<200	<200	<200	<200	<4,000
	12/22/94	<400	<200	<200	11,000	<2,000	<200	<200	<200	<200	<200	<4,000
	3/14/95	<400	<200	<200	21,000	<2,000	<200	<200	<200	<200	<200	<4,000
	6/13/95	<400	<200	<200	18,000	<2000	<200	<200	<200	<200	<200	<4,000
	9/7/95	12	<5	<5	13,000	<10	89	<5	33	<5	53	<10
	12/16/95	120	2	38	20,000	nr	130	5	45	5	680	nr
	*3/04/96	100/100	<100/<100	<100/<100	15,000/16,000	<200/<200	100/100	<100/<100	<100/<100	<100/<100	260/250	<200/<200
	*6/7/96	190/180	<50/<25	<50/45	13,000/12,000	<100/<50	95/95	<50/<25	<50/29	<50/<25	490/490	<100/<50

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-1D	07/25/89	<1	<1	<1	2	<5	1	<1	<1	<1	1	-
	08/23/89	<1	<1	1	2	<5	<1	<1	<1	<1	<1	-
	11/15/91	90	-	8	40	-	-	-	-	-	20	-
	*06/15/92	1,500/1,300	<25/<25	63/64	230/210	<50/<65	<25/<25	<25/<25	<25/<25	<25/<25	<25/<25	<50/<50
	09/22/92	180	<1	8	44	<5	2	<1	<1	<1	<1	<5
	*12/07/92	160/150	<1/<1	8/160	41/6	<5/<5	2/<1	<1/<1	1/1	<1/<1	<1/3	<5/<5
	03/16/93	200	<2	19	23	<5	3	<2	<2	<2	<2	<10
	*06/08/93	500/480	<10/<4	14/17	71/72	<100/<40	<10/<4	<10/<4	<10/<4	<10/<4	<10/<4	<200/<80
	08/24/93	540	<2	16	67	<20	3	2	<2	<2	2	<40
	11/18/93	880	<2	16	110	<20	3	3	<2	<2	<2	<40
	2/23/94	140	<2	3	14	<20	<2	<2	<2	<2	<2	<40
	6/10/94	230	<2	3.7	24	<20	<2	<2	<2	<2	<2	<40
	9/8/94	210	<2	3.6	37	<20	<2	<2	<2	<2	<2	<40
	12/22/94	600	<2	10	71	<20	2 3	2 2	<2	<2	2 2	<40
	3/13/95	240	<4	<4	38	<40	<4	<4	<4	<4	<4	<80
	6/13/95	170	<2	<2	21	<20	2	<2	<2	<2	<2	<40
	9/6/95	150	<5	<5	29	<10	<5	<5	<5	<5	<5	<10
	12/16/95	12	<2	<2	23	nr	3	<2	<2	<2	<2	nr
	*2/29/96	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10
	6/6/96	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-3D	07/25/89	<1	<1	49	4	<5	11	<1	<1	<1	3	-
	08/23/89	<10	<10	32	<10	<50	<10	<10	<10	<10	<10	-
	11/14/91	20	-	60	-	-	-	-	-	-	-	-
	06/16/92	510	<5	880	23	<10	<5	<5	<5	<5	8	<10
	09/22/92	21	<1	27	2	<5	<1	<1	<1	<1	<1	<5
	12/07/92	120	<1	130	5	<5	<1	<1	1	<1	3	<5
	*03/16/93	950/1,000	6/6	2,000/2,000	50/47	<5/<5	2/2	9/9	<2/<2	<2/<2	6/6	<10/<10
	06/08/93	110	<2	110	6	<20	<2	<2	<2	<2	<2	<40
	08/24/93	120	<2	100	5	<20	<2	<2	<2	<2	3	<40
	*11/18/93	610/840	<2/<4	410/640	17/23	<20/<40	<2/4	4/4	<2/<4	<2/<4	6/8	<40/<80
	2/23/94	370/420	<4/<4	530/590	23/25	<40/<40	<4/<4	<4/<4	<4/<4	<4/<4	12/13	<80/<80
	6/13/94	720	<10	1,300	96	<100	<10	<10	<10	<10	<10	<200
	9/9/94	3,700	<50	5,600	490	<500	<50	<50	<50	<50	<50	<1,000
	12/21/94	5,200	10	6,300	540	<40	15	22	<4	8.6	5,100	<80
	*3/14/95	3,300/3,200	<40/<20	4,000/3,900	370/380	<400/<200	<40/<20	<40/<20	<40/<20	<40/<20	3,200/3,400	<800/<400
	6/13/95	1,800	<10	2,100	200	<100	<10	<10	<10	<10	1,700	<200
	9/7/95	3,400	13	4,100	520	170	60	30	<5	13	4,700	<10
	12/16/95	111	<2	90	32	nr	3	<2	<2	<2	88	nr
	3/04/96	53	<5	40	23	<10	<5	<5	<5	<5	6	<10
	6/7/96	84	<5	59	60	<10	<5	<5	<5	<5	21	<10

Notes:
ug/l = micrograms per liter
1,1-DCE = Dichloroethene
1,1-DCA = Dichloroethane
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene
MIBK = Methyl isobutyl ketone
cis-1,2,-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
MEK = Methyl ethyl ketone

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified). 3 - nr: Not Reported 4 ** Estimated

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-1S	03/27/87	-	-	-	-	-	-	-	-	-	-
	*04/13/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/18/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<300	-	-	-	-	-	-	-	-	-
	09/23/92	<5	<1	<1	4	<1	<1	<1	22	<1	<1
	12/09/92	<100	<30	<30	40	<30	<30	<30	<30	<30	<30
	03/18/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/08/93	<400	<20	<20	<100	<20	<20	<20	<20	<20	<20
	08/25/93	<400	<20	<20	<40	<20	<40	<20	<20	<20	<20
	11/19/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	2/24/94	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	6/13/94	<200	<30	<10	<50	<10	<20	<10	<10	<10	<10
	9/9/94	<800	<120	<40	<200	<40	<80	<40	<40	<40	<40
	12/22/94	<400	<40	<20	<100	<20	<40	<20	<20	<20	<20
	3/14/95	<400	<40	<20	<100	<20	<40	<20	<20	<20	<20
	6/13/95	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	9/7/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	*12/15/95	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	3/04/96	<40	<40	<20	<20	<20	<20	<20	<20	<20	<20
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-2S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	7/13/89	-	-	-	-	-	-	-	-	-	-
	8/23/89	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	-	-	-	-	-	-	-
	06/16/92	<10	-	-	-	-	-	-	-	-	-
	*09/22/92	<5/<5	<1/<1	<1/1	11/9	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
	*12/08/92	6/<5	<1/<1	<1/<1	5/2	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
	*03/17/93	<10/<10	<2/<2	<5/<5	<10/<10	<5/<5	<2/<2	<2/<2	<5/<5	<2/<2	<2/<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	2/24/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	12/22/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	3/13/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	3/1/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2 TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-3S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/14/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<30,000	-	-	-	-	-	-	-	-	-
	09/23/92	<3,000	<500	<500	900	<500	<500	<500	<500	<500	<500
	12/09/92	<3,000	<500	<500	<500	<500	<500	<500	<500	<500	<500
	*03/18/93	<50/<50	120/110	<25/<25	<50/<50	<25/<25	55/60	<10/<10	<25/<25	<10/<10	100/95
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	*08/25/93	<8,000/<200	<400/154	<400/<10	<800/<50	<400/<10	<800/52	<400/<10	<400/<10	<400/21	<400/86
	11/19/93	<4,000	<200	<200	<1,000	<200	<200	<200	<200	<200	<200
	2/24/94	<4,000	<200	<200	<1,000	<200	<400	<200	<200	<200	<200
	6/13/94	<4000	<600	<200	<1000	<200	<400	<200	<200	<200	<200
	*9/9/94	<10000/<1000	<1500/1500	<500/<500	<2500/<2500	<500/<500	<1000/<1000	<500/<500	<500/<500	<500/<500	<500/<500
	12/22/94	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200
	3/14/95	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200
	6/13/95	<8,000	<400	<400	<2,000	<400	<800	<400	<400	<400	<400
	9/7/95	39	137	<5	23	<5	64	<5	<5	18	99
	12/16/95	<2	42	<2	<2	<2	22	<2	<2	8	41
	3/4/96	<100	<100	<50	<50	<50	<50	<50	<50	<50	<50
	6/7/96	19	53	<5	13	<5	12	<5	<5	7	41

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-4S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	7/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/18/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<150	-	-	-	-	-	-	-	-	-
	09/23/92	<50	<10	<10	20	<10	<10	<10	<10	<10	<10
	12/08/92	<50	<10	<10	50	<10	<10	<10	<10	<10	<10
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/08/93	<200	<10	<10	<40	<10	<20	<10	<10	<10	<10
	08/25/93	<200	<10	<10	<20	<10	<20	<10	<10	<10	<10
	11/19/93	<80	<4	<4	<20	<4	<8	<4	<4	<4	<4
	2/24/94	<80	<4	<4	<20	<4	<8	<4	<4	<4	<4
	6/13/94	<80	<12	<4	<20	<4	<8	<4	<4	<4	<4
	9/9/94	<400	<60	<20	<100	<20	<40	<20	<20	<20	<20
	12/22/94	<200	<20	<10	<50	<10	<20	<10	<10	<10	<10
	3/14/95	<80	<8	<4	<20	<4	<8	<4	<4	<4	<4
	6/13/95	<130	<6.6	<6.6	<33	<6.6	<13	<6.6	<6.6	<6.6	<6.6
	9/7/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	3/4/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-5S	11/30/87	-	-	-	-	-	-	-	-	-	-
	01/08/88	-	-	-	-	-	-	-	-	-	-
	*07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	-	-	-	-	-	-	-
	06/15/92	<10	-	-	-	-	-	-	-	-	-
	09/21/92	<5	<1	3	8	<1	<1	<1	<1	<1	<1
	12/07/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<2	<4	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	2/23/94	<40	<2	<2	<10	<2	<4	<2	4	<2	<2
	*6/10/94	<40/<40	<6/<6	<2/<2	<20/<20	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	12/21/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	3/13/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	2.2	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/12/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	2/29/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-6S	10/06/89	-	-	-	-	-	-	-	-	-	-
	11/16/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<3,000	-	-	-	-	-	-	-	-	-
	09/23/92	78	26	<1	5	<1	96	<1	<1	5	5
	*12/09/92	<300/<500	<50/<100	<50/<100	100/200	<50/<100	60/<100	<50/<10	<50/<100	<50/<10	<80/<10
	03/17/93	<50	20	<25	<50	<25	<10	<10	<25	<10	50
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	08/25/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	11/19/93	<200	<10	<10	<50	<10	<20	<10	<10	<10	37
	2/24/94	230	58	<10	<50	<10	74	<10	<10	10	47
	*6/13/94	<200/<2000	51/<300	<50/<100	<50/<500	<10/<100	69/<200	<10/<100	<10/<10	<10/<100	41/<100
	9/9/94	Not sampled; well head obstructed.									
	12/22/94	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200
	3/14/95	<400	<40	<20	<100	<20	<40	<20	<20	<20	26
	6/13/95	<400	<20	<20	<100	<20	60	<20	<20	<20	51
	*9/7/95	<10/<10	21/23	<5/<5	<5/<5	<5/<5	48/52	<5/<5	<5/<5	<5/<5	39/55
	12/16/95	<2	28	<2	<2	<2	76	<2	<2	5	41
	3/4/96	<100	<100	<50	<50	<50	61	<50	<50	<50	<50
	6/7/96	<50	<25	<25	<25	<25	53	<25	<25	<25	39

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-7S	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/18/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<30	-	-	-	-	-	-	-	-	-
	09/23/92	<30	<5	<5	10	<5	<5	<5	<5	<5	<5
	12/08/92	<30	<5	<5	10	<5	<5	<5	<5	<5	<5
	03/17/93	<10	<5	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/25/93	<80	<4	<4	31	<4	<8	<4	<4	<4	<4
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	2/24/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	6/13/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	12/22/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	3/14/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	*6/13/95	<40/<40	<2/<2	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	8.7/37	<2/<2	<2/<2
	9/7/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	3/1/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-8S	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/15/91	-	-	-	-	-	-	-	-	-	-
	*06/17/92	<150/<300	-	-	-	-	-	-	-	-	-
	09/23/92	<100	<20	<20	40	<20	<20	<20	<20	<20	<20
	12/08/92	<100	<20	<20	30	<20	<20	<20	<20	<20	<20
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/08/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	08/25/93	<400	<20	<20	<40	<20	<40	<20	<20	<20	<20
	11/19/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	2/24/94	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	6/13/94	<800	<120	<40	<200	<40	<80	<40	<40	<40	<40
	9/9/94	<1000	<150	<50	<250	<50	<100	<50	<50	<50	<50
	12/22/94	<400	<40	<20	<100	<20	<40	<20	<20	<20	<20
	3/14/95	<800	<80	<40	<200	<40	<80	<40	<40	<40	<40
	6/13/95	<800	<40	<40	<200	<40	<80	<40	<40	<40	<40
	9/7/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	*3/01/96	<40/<40	<40/<40	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-9S	10/06/89	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	-	-	-	-	-	-	-
	06/15/92	<30	-	-	-	-	-	-	-	-	-
	09/21/92	<5	<1	<1	10	<1	<1	<1	<1	<1	<1
	12/07/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	*06/07/93	<40/<40	<2/<2	<2/<2	<4/<4	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	2/24/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	*12/21/94	<40/<40	<4/<4	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	3/13/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	*6/12/95	<40/<40	<2/<2	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/12/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	2/29/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-10S	*07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/20/91	-	-	-	-	-	-	-	-	-	-
	06/16/92	35	-	-	-	-	-	-	-	-	-
	*09/21/92	<5/<5	<1/<1	<1/<1	8/8	1/1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
	12/8/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/25/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	2/23/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	*12/22/94	<40/<40	<4/<4	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	*3/13/95	<40/<40	<4/<4	<2/<2	<10/<10	<2/<2	<4/<4	2.4/<2	<2/<2	<2/<2	<2/<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	17	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	14	<5	<5
	12/16/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	3/1/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2 TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-11S	11/15/91	-	-	-	-	-	-	-	-	-	-
	06/16/92	<10	-	-	-	-	-	-	-	-	-
	09/21/92	<5	<1	2	9	<1	<1	<1	<1	<1	<1
	12/08/92	<5	<1	<1	4	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	*11/19/93	<40/<40	<2/<2	<2/<4	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	2/23/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2
	*9/8/94	<40/<40	<6/<6	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	12/21/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	3/13/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	*9/6/95	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	3/01/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	*6/6/96	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2 TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-12S	11/18/91	-	-	-	-	-	-	-	-	-	-
	*06/16/92	<10/<10	-	-	-	-	-	-	-	-	-
	09/22/92	<5	<1	4	7	<1	<1	<1	<1	<1	<1
	12/08/92	<30	<5	<5	20	<5	<5	<5	<5	<5	<5
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/25/93	<80	<4	<4	<8	<4	<8	<4	<4	<4	<4
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	2/24/94	<40/<40	<2/<2	<2<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	6/13/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	9/9/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	12/22/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	3/14/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	33	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	3/01/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

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FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
DAC-P1	10/09/89	<1,000	-	-	-	-	-	-	-	-	-
	06/17/92	<30	-	-	-	-	-	-	-	-	-
	*06/23/92	<5/<5	<1/<1	1/1	4/4	4/4	9/9	13/13	<1/<1	<1/<1	<1/<1
	12/09/92	<3,000	<500	<500	2,000	<500	<500	<500	<500	<500	<500
	03/18/93	<10	<2	<5	<10	<5	5	10	<5	<2	<2
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	08/25/93	<4,000	<200	<200	<400	<200	<400	<200	<200	<200	<200
	11/19/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	2/24/94	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	6/13/94	<400	<60	<20	<100	<20	<40	<20	<20	<20	<20
	9/9/94	<4000	<600	<200	<1000	<200	<400	<200	<200	<200	<200
	12/22/94	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200
	3/14/95	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200
	6/13/95	<4,000	<200	<200	<1,000	<200	<400	<200	<200	<200	<200
	9/7/95	<10	<5	<5	<5	<5	<5	17	<5	<5	<5
	12/16/95	<2	<4	<2	<2	<2	4	11	<2	<2	<2
	*3/04/96	<200/<200	<200/<200	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100
	*6/7/96	<100/<50	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-1D	07/25/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/15/91	-	-	-	-	-	-	-	-	-	-
	*06/15/92	<50/<50	-	-	-	-	-	-	-	-	-
	09/22/92	<5	<1	4	11	<1	<1	<1	<1	<1	<1
	*12/07/92	<5/<5	<1/<1	<1/<1	2/2	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	*06/08/93	<200/<80	<10/<4	<10/<4	<20/<10	<10/<4	<20/<8	<10/<4	<10/<4	<10/<4	<10/<4
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	2/23/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2
	12/22/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2
	3/13/95	<80	<8	<4	<20	<4	<8	<4	<4	<4	<4
	6/13/95	<40	<2	<2	<10	<2	<4	<2	3.1	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/16/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	*2/29/96	<10/<10	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-3D	07/25/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/14/91	-	-	-	-	-	-	-	-	-	-
	06/16/92	<30	-	-	-	-	-	-	-	-	-
	09/22/92	<5	<1	1	8	<1	<1	<1	<1	<1	<1
	12/07/92	<5	<1	<1	1	<1	<1	<1	<1	<1	<1
	*03/16/93	<10/<10	<2/<2	<5/<5	<10/<10	<5/<5	<2/<2	<2/<2	<5/<5	<2/<2	<2/<2
	06/08/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	*11/18/93	<40/<80	<2/<4	<2/<4	<10/<20	<2/<4	<4/<8	<2/<4	<2/<4	<2/<4	<2/<4
	2/23/94	<80	<4	<4	<20	<4	<8	<4	<4	<4	<4
	6/13/94	<200	<30	<10	<50	<10	<20	<10	<10	<10	<10
	9/9/94	<1000	<150	<50	<250	<50	<100	<50	<50	<50	<50
	12/21/94	<80	<8	<4	<20	<4	29	<4	<4	<4	<4
	*3/14/95	<800/<400	<80/<40	<40/<20	<200/<100	<40/<20	<80/<40	<40/61	<40/<20	<40/<20	<40/<20
	6/13/95	<200	<10	<10	<50	<10	<20	<10	<10	<10	<10
	9/7/95	<10	8	<5	<5	<5	35	<5	<5	<5	6
	12/16/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2
	3/04/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5

Notes: ug/l = micrograms per liter
PCE = Tetrachloroethene
1,1,2-TCA=1,1,2-Trichloroethane
1,2-DCA = 1,2-Dichloroethane

1 * Duplicate sample also analyzed. 2 - Not Detected (Detection Limit not specified)

TABLE 4

SUMMARY OF GROUNDWATER ELEVATION DATA
SECOND QUARTER 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

Observation Well	Reference Point[1] Elevation (Feet Above MSL)[2]	Water Level Elevation (Feet Above Mean Sea Level)									
		2/23/94	6/10/94	9/8/94	12/21/94	3/13/95	6/12/95	9/20/95	12/12/95	2/29/96	6/6/96
WCC-1S	50.7	-17.61	-17.23	-17.25	-17.12	-17.12	-16.53	-16.27	-16.05	-15.80	-15.47
WCC-2S	50.59	-17.49	-17.07	-17.2	-17.17	-17.08	-16.37	-16.19	-15.86	-15.77	-15.26
WCC-3S	51.19	-17.67	-17.19	-17.31	-17.28	-17.22	-16.58	-16.37	-16.06	-15.93	-15.41
WCC-4S	49.69	-17.77	-17.32	-17.37	-17.31	-17.23	-16.61	-16.38	-16.16	-17.02	-15.56
WCC-5S	48.22	-17.78	-17.33	-17.33	-17.25	-17.19	-16.56	-16.35	-16.14	-16.02	-15.54
WCC-6S	50.95	-17.92	-17.48	NM[3]	-17.45	-17.36	16.75	-16.64[4]	-16.30	-16.17	-15.76
WCC-7S	48.29	-18.22	-17.82	-17.8	-17.74	-17.54	-17.03	-16.82	-16.59	-16.46	-16.01
WCC-8S	50.56	-17.49	-17.11	-17.14	-17.12	-17.29	-16.42	-16.16	-15.89	-15.76	-15.34
WCC-9S	47.01	-18.09	-18.63	-19.08	-17.51	-17.41	-16.79	-16.64	-16.39	-16.49	-15.86
WCC-10S	51.12	-17.07	-16.67	-17.03	-16.97	-16.56	-16.05	-15.89	-15.54	-15.22	-14.77
WCC-11S	49.97	-16.96	-16.45	-16.58	-16.63	-16.48	-15.83	-15.59	-15.35	-15.19	-14.71
WCC-12S	46.92	-18.13	-17.74	-17.79	-17.67	-17.63	-17.00	-16.79	-16.54	-16.40	-15.96
DAC-P1	52.44	-16.74	-16.6	-16.48	-16.25	-16.41	-15.94	-15.66	-15.66	-15.40	-15.02
WCC-1D	50.45	-17.83	-17.47	-17.66	-17.55	-17.36	-16.79	-16.60	-16.31	-16.15	-15.73
WCC-3D	51.18	-18	-17.39	-17.47	-17.42	-17.27	-16.67	-16.47	-16.17	-15.95	-15.57
MW-8[5]	49.09	NA[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9[5]	48.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18[5]	50.29	NA	NA	NA	NA	NA	-18.91	NA	NA	NA	NA
MW-19[5]	46.55	NA	NA	NA	NA	NA	-18.06	NA	NA	NA	NA

Notes:

1. Reference point is north side, top of well casing
2. Reference point elevation measured by Hargis + Associates, Inc.
3. Water Level Elevation not measured due to wellhead obstructions
4. Well WCC-6S could not be opened on 20 September 1995. The water level elevation shown was measured on 6 September 1995.
5. Installed by Hargis + Associates, Inc. for Montrose Chemical Corporation
6. NA - Not Available

94401601 002

TABLE 4

SUMMARY OF GROUNDWATER ELEVATION DATA
SECOND QUARTER, 1996
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA

Observation Well	Reference Point[1] Elevation (Feet Above MSL)[2]	Water Level Elevation (Feet Above Mean Sea Level)								
		11/13/87[3]	10/18/89[4]	6/15/92	9/21/92	1/5/93	4/9/93	6/7/93	8/24/93	11/18/93
WCC-1S	50.7	-21.63	-19.48	-19.2	-19.42	-19.34	-18.79	-18.75	-18.25	-18
WCC-2S	50.59	-19.72	-19.06	-19.15	-19.41	-19.51	-18.64	-18.63	-18.15	-17.87
WCC-3S	51.19	-21.56	-19.42	-19.24	-19.52	-19.73	-18.83	-18.82	-18.36	-18.01
WCC-4S	49.69	-21.77	-19.59	-19.22	-19.49	-19.34	-18.86	-18.78	-18.37	-18.16
WCC-5S	48.22	NA[5]	-19.7	-19.13	-19.42	-19.32	-18.83	-18.78	-18.38	-18.13
WCC-6S	50.95	NA	-19.7	-19.4	-19.64	-19.5	-19.03	-18.97	-18.55	-18.32
WCC-7S	48.29	NA	-20.07	-19.63	-19.93	-19.76	-19.3	-19.23	-18.83	-18.6
WCC-8S	50.56	NA	-19.35	-19.11	-19.34	-19.19	-18.69	-18.61	-18.19	-17.89
WCC-9S	47.01	NA	-20.07	-19.44	-19.66	-19.56	-19.09	-19.09	-18.69	-18.42
WCC-10S	51.12	NA	-18.42	-18.94	-19.33	-19.1	-18.42	-18.33	-17.83	-17.54
WCC-11S	49.97	NA	NA	-17.62	-18.81	-18.69	-18.13	-18.04	-17.6	-17.36
WCC-12S	46.92	NA	NA	-19.6	-19.9	-19.74	-19.26	-19.2	-18.78	-18.58
DAC-P1	52.44	NA	NA	-17.76	-17.88	-18.02	-17.46	-17.38	-17.03	-16.76
WCC-1D	50.45	NA	-19.51	-19.55	-19.92	-19.61	-19.1	-19	-18.53	-18.34
WCC-3D	51.18	NA	-19.38	-19.39	-19.71	-20.52	-18.87	-18.85	-18.4	-18.18
MW-8[6]	49.09	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9[6]	48.67	NA	NA	NA	NA	NA	NA	-20.58	NA	NA
MW-18[6]	50.29	NA	NA	NA	NA	NA	NA	-20.88	NA	NA
MW-19[6]	46.55	NA	NA	NA	NA	NA	NA	-20.13	NA	NA

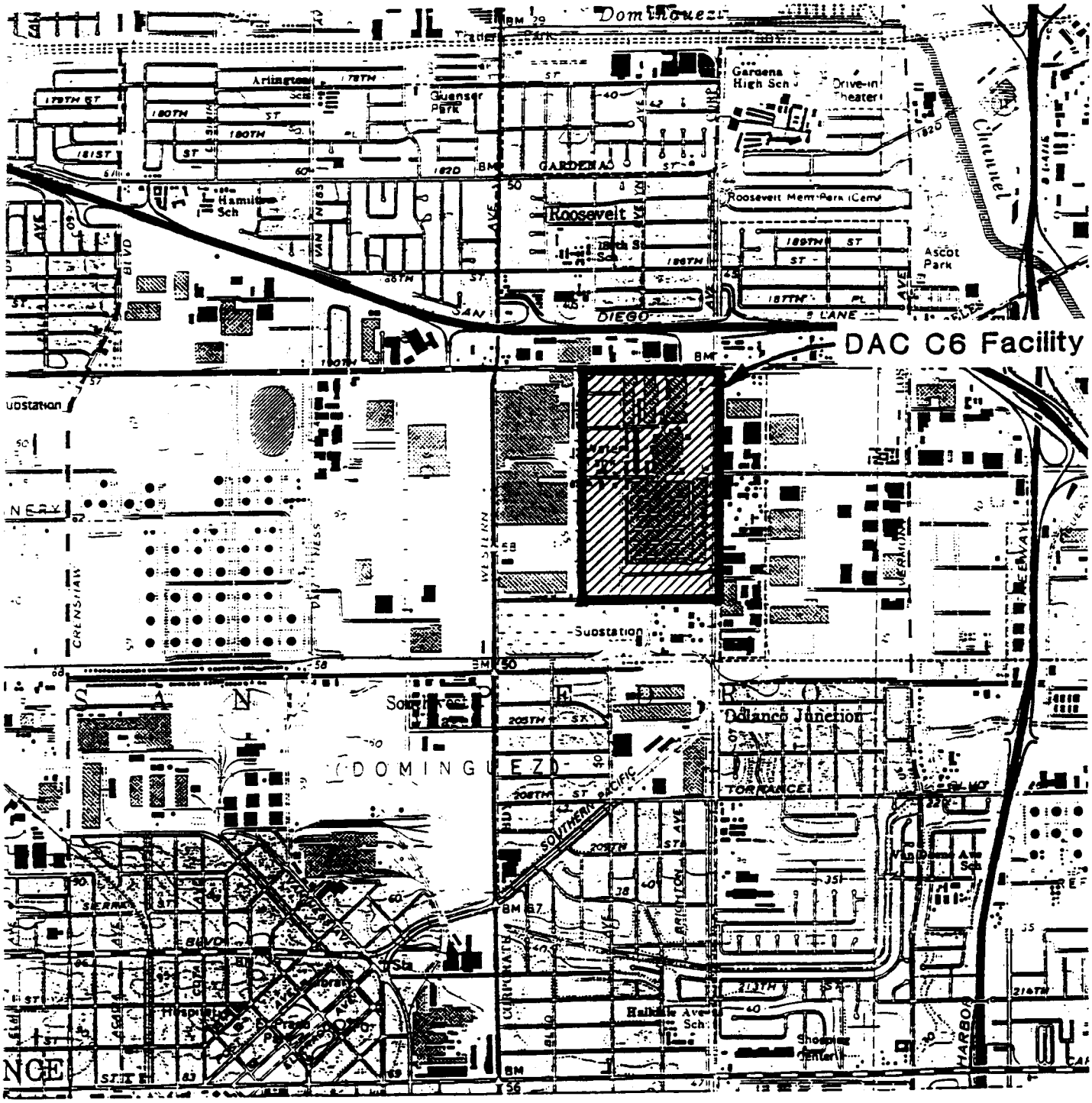
Notes:

1. Reference point is north side, top of well casing.
2. Reference point elevation measured by Hargis + Associates.
3. Data taken from Woodward-Clyde Consultants Phase II Report, May 1988.
4. Data talen from Woodward-Clyde Consultants Phase III Report, May 1990.
5. NA - Not Available
6. Installed by Hargis + Associates, Inc. for Montrose Chemical Corporation.

94401602 002

BOE-C6-0017913

FIGURES



N

0 1,000 2,000 FEET

Base Map: U.S.G.S. 7.5 Minute Topographic Map, Torrance, California Quadrangle, 1981.

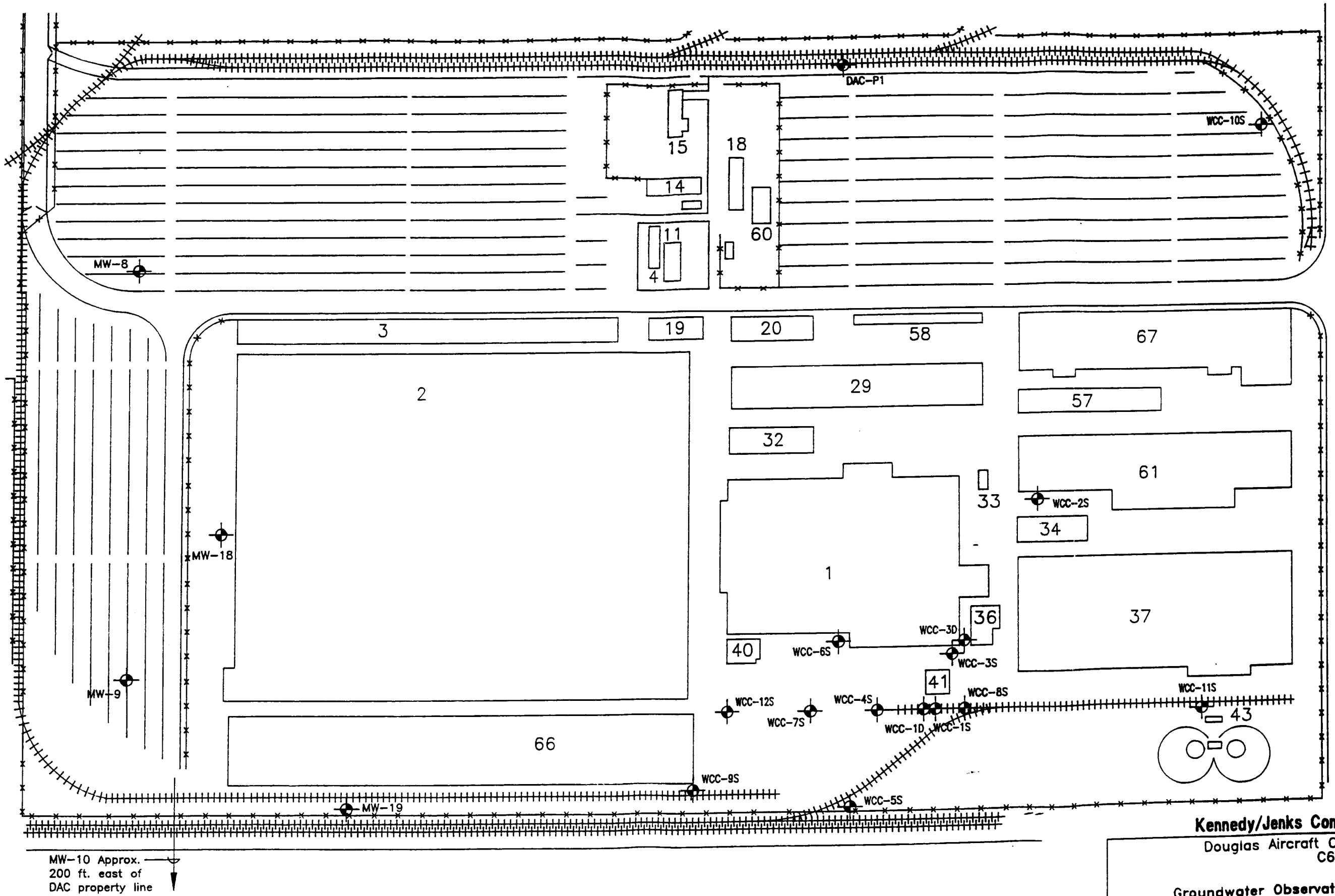
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Site Vicinity Map

July 1996
K/J 944016.02

Figure 1



NOTE: 1) Wells MW-8,-9,-10,-18, and -19 Installed by Montrose Chemical Corporation

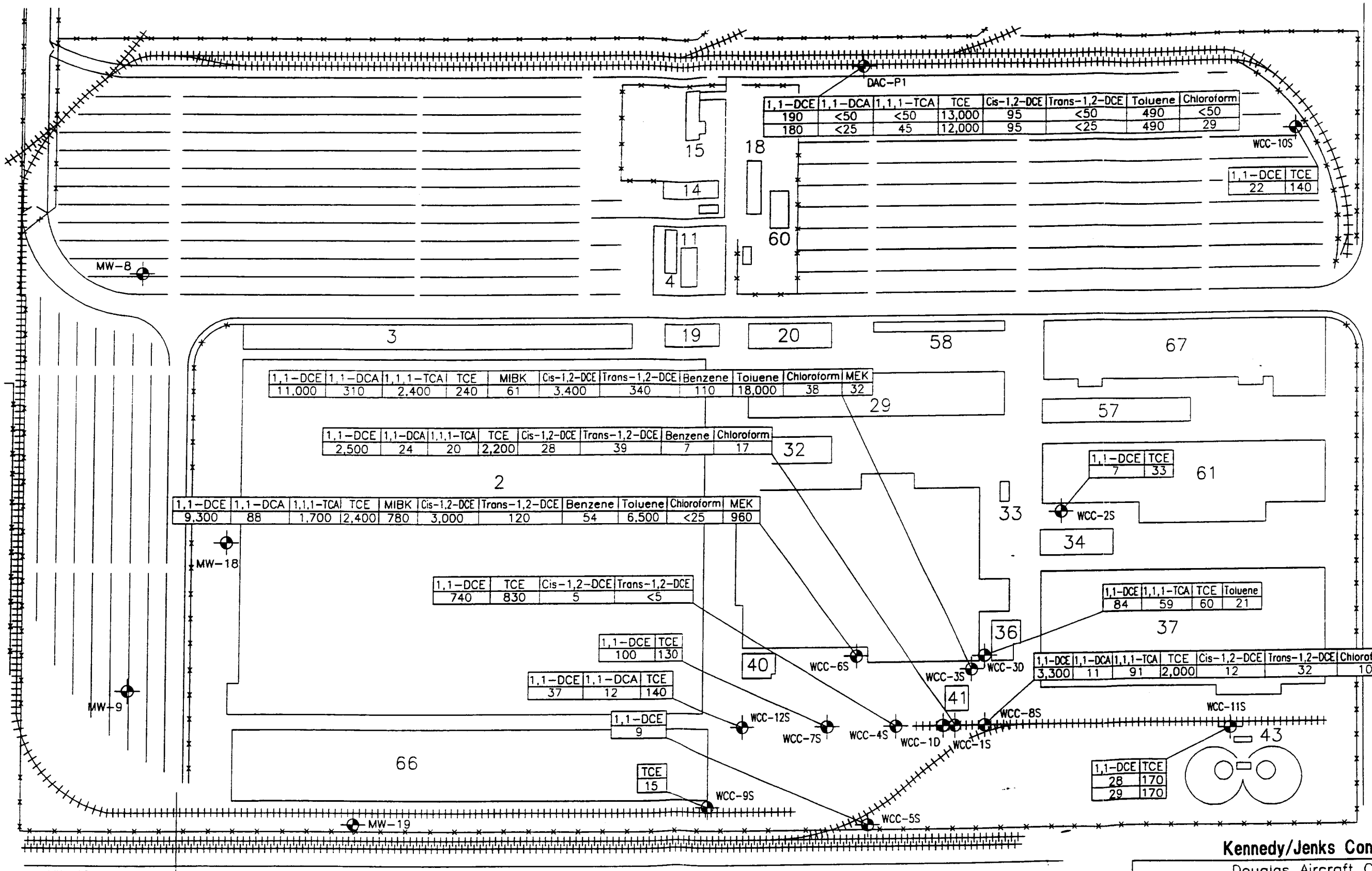
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Groundwater Observation Well Locations

July 1990
K/J 944016.02
Figure 2

BOE-C6-0017916



NOTES:

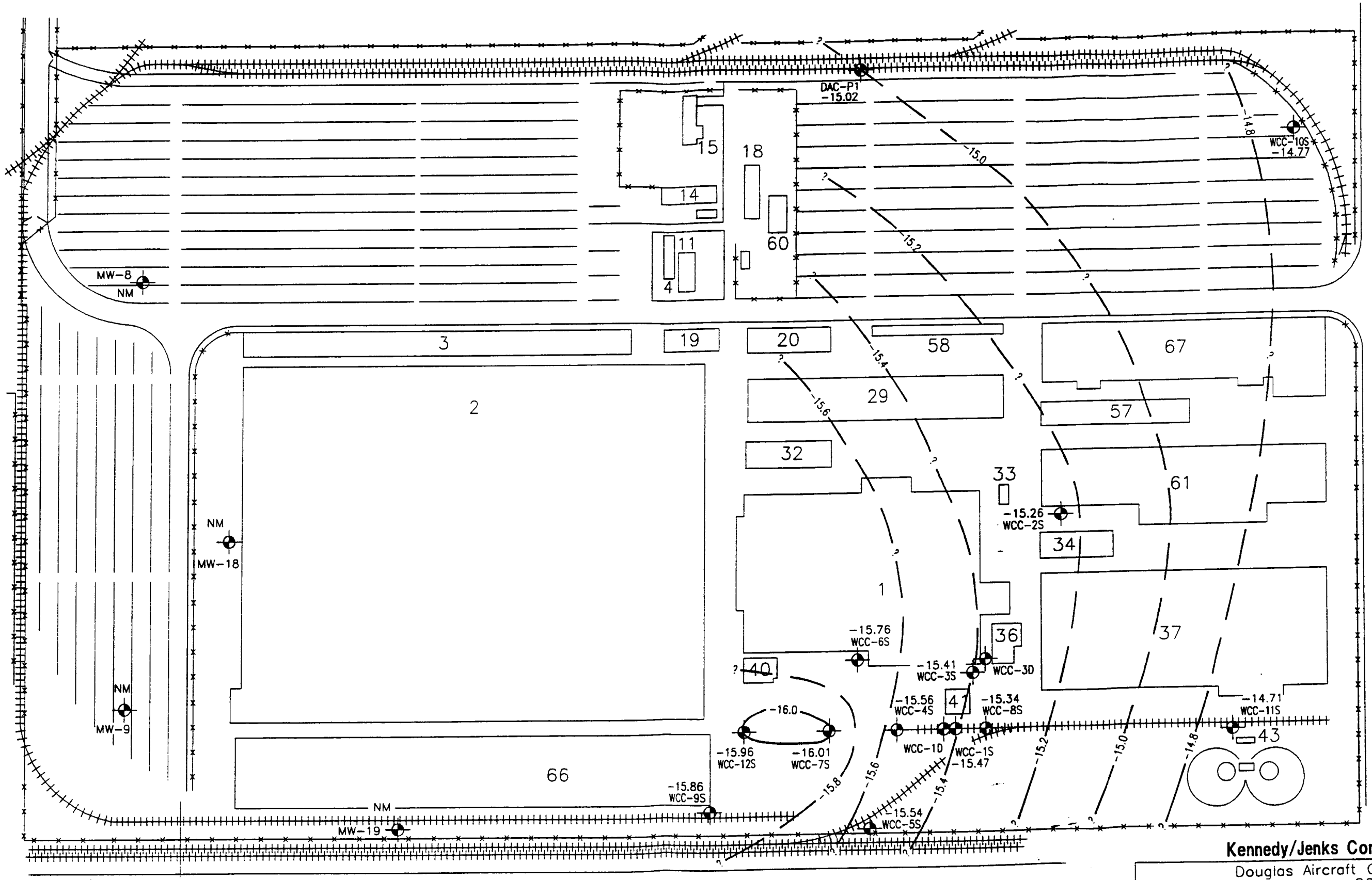
1. Samples Analyzed by EPA Method 8240/8260
2. All Results Reported in ug/l (ppb)
3. Wells MW-8,-9,-10,-18 and -19 Installed by Montrose Chemical Corporation and are not sampled by Douglas Aircraft Co.
4. Duplicate samples were analyzed for wells WCC-11S and DAC-P1.
5. <5=compound not detected at a quantitation limit of 5 ug/l. Nondetects posted only for VOCs detected in the well in the previous sample round. Figure shows only major constituents listed in Table 2.

Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Observation Well Chemical Concentrations June 1996 Sampling Event

July 1996
K/J 944016.02
Figure 3



NOTE: 1) Wells MW-8,-9,-10,-18, and -19 installed by Montrose Chemical Corporation

2) Contour Interval = 0.2 feet

3) Wells WCC-3D and WCC-1D are screened across the deeper zone. Therefore, their water elevations are not included.

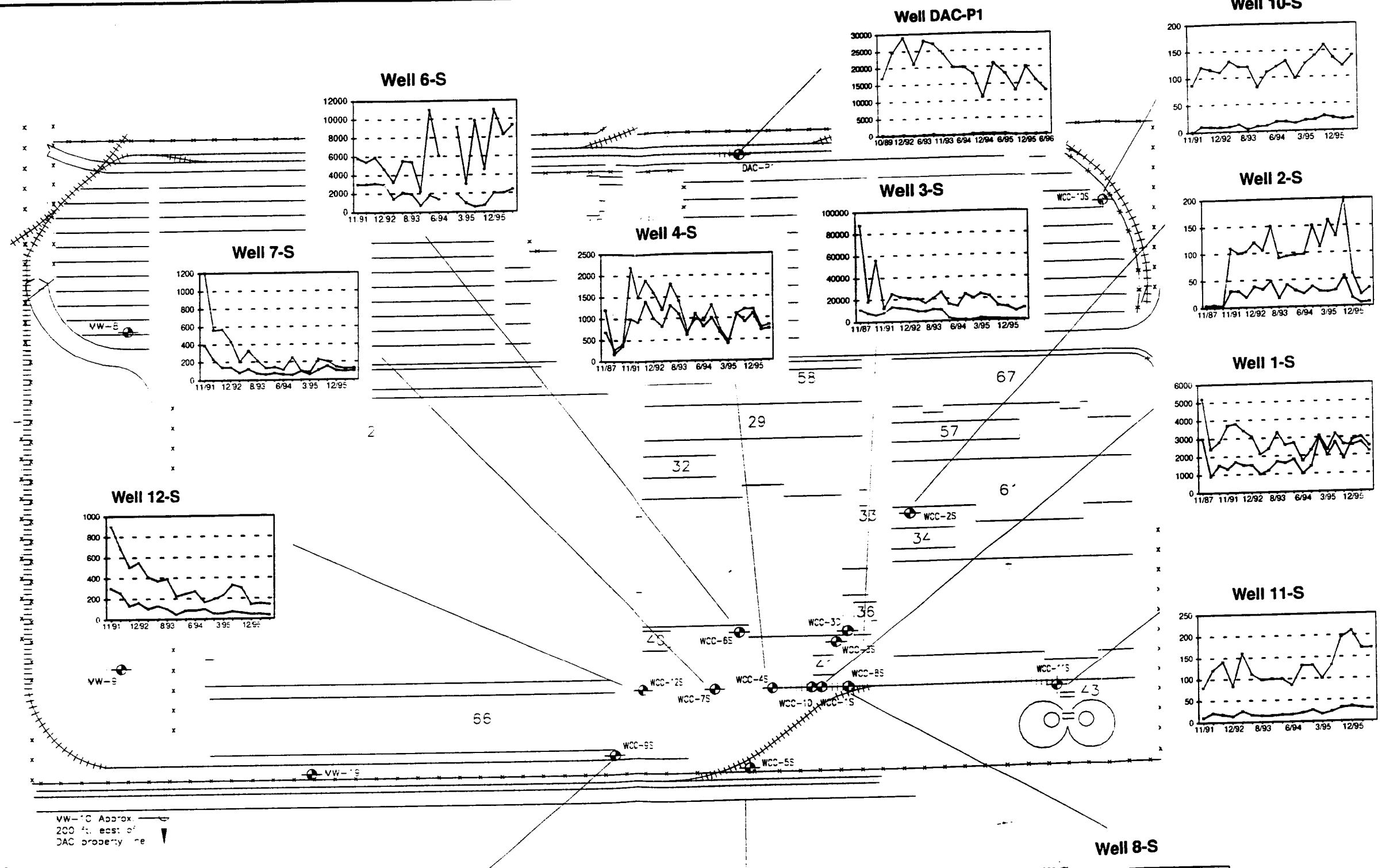
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Estimated Groundwater Elevation Contour Map, Shallow Zone, June 1996

July 1996
K/J 944016.02
Figure 4

BOE-C6-0017918



Douglas Aircraft Company
C-6 Facility
Torrance, California

Kennedy/Jenks Consultants
Submitted:

Approved

Irvine, California

CHEMICAL CONCENTRATION PROFILES
November 1991 to July 1996

Scale: AS NOTED
Job No: 944016.02
CADD File No:
Designed:
Drawn:
Checked:
Date:
Sheet: (1)

Revd By Date Description

BOE-C6-0017919

APPENDIX A

LABORATORY DATA SHEETS

Since 1878
Curtis & Tompkins, Ltd. General Analytical Laboratories
2495 Da Vinci, Irvine CA 92714 Phone 714-252-9700 Fax 714-252-9701

LABORATORY REPORT

Laboratory Number: **214406**

Date Received: **06/10/96**
Date Reported: **06/14/96**

Issued To: **KENNEDY/JENKS CONSULTANTS**
2151 MICHELSON
IRVINE, CA
ATTN: SARAH BARTLING

Project I.D.: **944016.02**

Location: **DAC**

Report On: **TWELVE LIQUID SAMPLES ANALYZED AS SPECIFIED ON ATTACHED CHAIN OF CUSTODY**

This report certifies that the samples were received in good condition (i.e. intact, chilled, and/or preserved appropriately) and that strict chain of custody procedures were adhered to at all times. It further certifies that the methods of analysis used are in fact those listed within this report and that Curtis & Tompkins, Ltd. has current certification for all work performed in the laboratory. Exceptions to this statement are specifically noted in the analytical report or on the attached chain of custody.

Reviewed By: _____ _____

Berkeley *Irvine*

Since 1878
Curtis & Tompkins, Ltd. General Analytical Laboratories
2495 Da Vinci, Irvine CA 92714 Phone 714-252-9700 Fax 714-252-9701

LABORATORY REPORT

Laboratory Number: **214397**

Date Received: **06/07/96**
Date Reported: **06/13/96**

Issued To: **KENNEDY/JENKS**
2151 MICHELSON DR.
SUITE 100
IRVINE, CA 92715
ATTN: SARAH BARTLING

Project I.D.: **944016.01**

Location: **DAC**

Report On: **EIGHT LIQUID SAMPLES ANALYZED AS SPECIFIED ON ATTACHED CHAIN OF CUSTODY**

This report certifies that the samples were received in good condition (i.e. intact, chilled, and/or preserved appropriately) and that strict chain of custody procedures were adhered to at all times. It further certifies that the methods of analysis used are in fact those listed within this report and that Curtis & Tompkins, Ltd. has current certification for all work performed in the laboratory. Exceptions to this statement are specifically noted in the analytical report or on the attached chain of custody.

Reviewed By: Roger Cole Jan Marin

Berkeley *Irvine*

VOLATILE ORGANICS

Client I.D.: WCC1S-15
Laboratory I.D.: 214406-005
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	7	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	17	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	24	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	2500	100	a	ND	5
cis-1,2-Dichloroethene	28	5		ND	5
trans-1,2-Dichloroethene	39	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

a - Result reported from a 1:20 dilution.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/13/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC1S-15
Laboratory I.D.: 214406-005
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	20	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	2200	100	b	ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

b - Result reported from a 1:20 dilution.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	103	88-110
Bromofluorobenzene	50	94	86-115
Dibromofluoromethane	50	105	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: WCC2S-15
Laboratory I.D.: 214397-005
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	7	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/06/96	N/A
Date Analyzed:	6/10/96	6/10/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC2S-15
Laboratory I.D.: 214397-005
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit	Analytical Notes
Styrene	ND	5		ND	5	
1,1,1,2-Tetrachloroethane	ND	5		ND	5	
1,1,2,2-Tetrachloroethane	ND	5		ND	5	
Tetrachloroethene	ND	5		ND	5	
Toluene	ND	5		ND	5	
1,2,3-Trichlorobenzene	ND	5		ND	5	
1,2,4-Trichlorobenzene	ND	5		ND	5	
1,1,1-Trichloroethane	ND	5		ND	5	
1,1,2-Trichloroethane	ND	5		ND	5	
Trichloroethene	33	5		ND	5	
Trichlorofluoromethane	ND	5		ND	5	
1,2,3-Trichloropropane	ND	5		ND	5	
1,2,4-Trimethylbenzene	ND	5		ND	5	
1,3,5-Trimethylbenzene	ND	5		ND	5	
Vinyl acetate	ND	10		ND	10	
Vinyl chloride	ND	10		ND	10	
m,p-Xylenes	ND	5		ND	5	
o-Xylene	ND	5		ND	5	

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	98	88-110
Bromofluorobenzene	50	95	86-115
Dibromofluoromethane	50	112	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12248AF0 Sample I.D.: 214397-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	93	80-120	94	101	61-145	7	14
Benzene	25	96	80-120	95	98	76-127	3	11
Trichloroethene	25	104	80-120	114	120	71-120	5	14
Toluene	25	96	80-120	97	96	76-125	1	13
Chlorobenzene	25	100	80-120	101	101	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: WCC3S-15
Laboratory I.D.: 214406-007
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	19	10		ND	10
Benzene	110	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	32	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	38	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	310	50	a	ND	5
1,2-Dichloroethane	41	5		ND	5
1,1-Dichloroethene	11,000	500	b	ND	5
cis-1,2-Dichloroethene	3400	500	b	ND	5
trans-1,2-Dichloroethene	340	50	a	ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	7	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	13	5		ND	5
4-Methyl-2-pentanone	61	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

a - Result reported from a 1:10 dilution.

b - Result reported from a 1:100 dilution.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/12/96	6/11/96

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VOLATILE ORGANICS

Client I.D.: WCC3S-15
Laboratory I.D.: 214406-007
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	18,000	5000	d	ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	2400	500	c	ND	5
1,1,2-Trichloroethane	12	5		ND	5
Trichloroethene	240	50	b	ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	37	5		ND	5
o-Xylene	16	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

b - Result reported from a 1:10 dilution.

c - Result reported from a 1:100 dilution.

d - Result reported from a 1:1000 dilution.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	101	88-110
romofluorobenzene	50	107	86-115
ibromofluoromethane	50	114	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFA Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	83	80-120	127	129	61-145	2	14
Benzene	25	95	80-120	91	92	76-127	1	11
Trichloroethene	25	107	80-120	a	116	71-120	6	14
Toluene	25	100	80-120	92	98	76-125	6	13
Chlorobenzene	25	97	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: WCC4S-15
Laboratory I.D.: 214406-004
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	740	50	a	ND	5
cis-1,2-Dichloroethene	5	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

a - Result reported from a 1:20 dilution.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/13/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC4S-15
Laboratory I.D.: 214406-004
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	830	50	b	ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
,2,4-Trimethylbenzene	ND	5		ND	5
,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
n,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

b - Result reported from a 1:20 dilution.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	100	88-110
romofluorobenzene	50	97	86-115
bromofluoromethane	50	107	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: WCC5S-15
Laboratory I.D.: 214397-001
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
ert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
,2-Dichlorobenzene	ND	5		ND	5
,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	9	5		ND	5
is-1,2-Dichloroethene	ND	5		ND	5
rans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
,3-Dichloropropane	ND	5		ND	5
,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
ans-1,3-Dichloropropene	ND	5		ND	5
thylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
exachlorobutadiene	ND	5		ND	5
-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
lethylene chloride	ND	5		ND	5
-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
-Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/06/96	N/A
Date Analyzed:	6/10/96	6/10/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC5S-15
Laboratory I.D.: 214397-001
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	100	88-110
Bromofluorobenzene	50	94	86-115
Dibromofluoromethane	50	108	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12248AF0 Sample I.D.: 214397-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	93	80-120	94	101	61-145	7	14
Benzene	25	96	80-120	95	98	76-127	3	11
Trichloroethene	25	104	80-120	114	120	71-120	5	14
Toluene	25	96	80-120	97	96	76-125	1	13
Chlorobenzene	25	100	80-120	101	101	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: WCC6S-15
Laboratory I.D.: 214406-008
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	50	a	ND	10
Benzene	54	25	a	ND	5
Bromobenzene	ND	25	a	ND	5
Bromochloromethane	ND	25	a	ND	5
Bromodichloromethane	ND	25	a	ND	5
Bromoform	ND	25	a	ND	5
Bromomethane	ND	50	a	ND	10
2-Butanone	960	50	a	ND	10
n-Butylbenzene	ND	25	a	ND	5
sec-Butylbenzene	ND	25	a	ND	5
tert-Butylbenzene	ND	25	a	ND	5
Carbon disulfide	ND	25	a	ND	5
Carbon tetrachloride	ND	25	a	ND	5
Chlorobenzene	ND	25	a	ND	5
Chloroethane	ND	50	a	ND	10
2-Chloroethyl vinyl ether	ND	50	a	ND	10
Chloroform	ND	25	a	ND	5
Chloromethane	ND	50	a	ND	10
2-Chlorotoluene	ND	25	a	ND	5
4-Chlorotoluene	ND	25	a	ND	5
Dibromochloromethane	ND	25	a	ND	5
1,2-Dibromo-3-chloropropane	ND	25	a	ND	5
1,2-Dibromoethane	ND	25	a	ND	5
Dibromomethane	ND	25	a	ND	5
1,2-Dichlorobenzene	ND	25	a	ND	5
1,3-Dichlorobenzene	ND	25	a	ND	5
1,4-Dichlorobenzene	ND	25	a	ND	5
Dichlorodifluoromethane	ND	50	a	ND	10
1,1-Dichloroethane	88	25	a	ND	5
1,2-Dichloroethane	39	25	a	ND	5
1,1-Dichloroethene	9300	500	c	ND	5
cis-1,2-Dichloroethene	3000	200	b	ND	5
trans-1,2-Dichloroethene	120	25	a	ND	5
1,2-Dichloropropane	ND	25	a	ND	5
1,3-Dichloropropane	ND	25	a	ND	5
2,2-Dichloropropane	ND	25	a	ND	5
1,1-Dichloropropene	ND	25	a	ND	5
cis-1,3-Dichloropropene	ND	25	a	ND	5
trans-1,3-Dichloropropene	ND	25	a	ND	5
Ethylbenzene	ND	25	a	ND	5
Freon 113	ND	25	a	ND	5
Hexachlorobutadiene	ND	25	a	ND	5
2-Hexanone	ND	50	a	ND	10
Isopropylbenzene	ND	25	a	ND	5
p-Isopropyltoluene	ND	25	a	ND	5
Methylene chloride	ND	25	a	ND	5
4-Methyl-2-pentanone	780	50	a	ND	10
Naphthalene	ND	25	a	ND	5
n-Propylbenzene	ND	25	a	ND	5

Analytical Notes

a - Raise detection limit due presence of high concentration target analytes.

b - Result reported from a 1:40 dilution.

c - Result reported from a 1:100 dilution.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/13/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC6S-15
Laboratory I.D.: 214406-008
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	25	b	ND	5
1,1,1,2-Tetrachloroethane	ND	25	b	ND	5
1,1,2,2-Tetrachloroethane	ND	25	b	ND	5
Tetrachloroethene	ND	25	b	ND	5
Toluene	6500	200	c	ND	5
1,2,3-Trichlorobenzene	ND	25	b	ND	5
1,2,4-Trichlorobenzene	ND	25	b	ND	5
1,1,1-Trichloroethane	1700	200	c	ND	5
1,1,2-Trichloroethane	53	25	b	ND	5
Trichloroethene	2400	200	c	ND	5
Trichlorofluoromethane	ND	25	b	ND	5
1,2,3-Trichloropropane	ND	25	b	ND	5
1,2,4-Trimethylbenzene	ND	25	b	ND	5
1,3,5-Trimethylbenzene	ND	25	b	ND	5
Vinyl acetate	ND	50	b	ND	10
Vinyl chloride	ND	50	b	ND	10
m,p-Xylenes	ND	25	b	ND	5
o-Xylene	ND	25	b	ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

b - Raise detection limit due presence of high concentration target analytes.

c - Result reported from a 1:40 dilution.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	97	88-110
Bromofluorobenzene	50	99	86-115
Dibromofluoromethane	50	103	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: WCC7S-15
Laboratory I.D.: 214406-002
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	100	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/12/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC7S-15
Laboratory I.D.: 214406-002
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	130	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	97	88-110
Bromofluorobenzene	50	100	86-115
Dibromofluoromethane	50	106	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: WCC8S-15
Laboratory I.D.: 214406-003
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	10	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	11	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	3300	100	a	ND	5
cis-1,2-Dichloroethene	12	5		ND	5
trans-1,2-Dichloroethene	32	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

a - Result reported from a 1:20 dilution.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/13/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC8S-15
Laboratory I.D.: 214406-003
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
,1,1,2-Tetrachloroethane	ND	5		ND	5
,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
,2,3-Trichlorobenzene	ND	5		ND	5
,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	91	5		ND	5
,1,2-Trichloroethane	ND	5		ND	5
richloroethene	2000	100	b	ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
,2,4-Trimethylbenzene	ND	5		ND	5
,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
inyl chloride	ND	10		ND	10
ı,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

b - Result reported from a 1:20 dilution.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	101	88-110
omofluorobenzene	50	97	86-115
bromofluoromethane	50	107	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: WCC9S-15
Laboratory I.D.: 214397-002
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
,2-Dichlorobenzene	ND	5		ND	5
,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
is-1,2-Dichloroethene	ND	5		ND	5
ans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
,3-Dichloropropane	ND	5		ND	5
,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
ans-1,3-Dichloropropene	ND	5		ND	5
thylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
exachlorobutadiene	ND	5		ND	5
-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
ethylene chloride	ND	5		ND	5
-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/06/96	N/A
Date Analyzed:	6/10/96	6/10/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC9S-15
Laboratory I.D.: 214397-002
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	15	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	97	88-110
Bromofluorobenzene	50	91	86-115
Dibromofluoromethane	50	109	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12248AF0 Sample I.D.: 214397-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	93	80-120	94	101	61-145	7	14
Benzene	25	96	80-120	95	98	76-127	3	11
Trichloroethene	25	104	80-120	114	120	71-120	5	14
Toluene	25	96	80-120	97	96	76-125	1	13
Chlorobenzene	25	100	80-120	101	101	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: WCC10S-15
Laboratory I.D.: 214397-004
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	22	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/06/96	N/A
Date Analyzed:	6/10/96	6/10/96

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VOLATILE ORGANICS

Client I.D.: WCC10S-15
Laboratory I.D.: 214397-004
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	140	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	104	88-110
Bromofluorobenzene	50	93	86-115
Dibromofluoromethane	50	111	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12248AF0 Sample I.D.: 214397-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	93	80-120	94	101	61-145	7	14
Benzene	25	96	80-120	95	98	76-127	3	11
Trichloroethene	25	104	80-120	114	120	71-120	5	14
Toluene	25	96	80-120	97	96	76-125	1	13
Chlorobenzene	25	100	80-120	101	101	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: WCC11S-15
Laboratory I.D.: 214397-006
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
ert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
,2-Dichlorobenzene	ND	5		ND	5
,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	28	5		ND	5
is-1,2-Dichloroethene	ND	5		ND	5
ans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
,3-Dichloropropane	ND	5		ND	5
,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
ans-1,3-Dichloropropene	ND	5		ND	5
thylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
exachlorobutadiene	ND	5		ND	5
-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
lethylene chloride	ND	5		ND	5
-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
-Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/06/96	N/A
Date Analyzed:	6/10/96	6/10/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC11S-15
Laboratory I.D.: 214397-006
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	170	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
,2,4-Trimethylbenzene	ND	5		ND	5
,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
n,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	100	88-110
romofluorobenzene	50	93	86-115
ibromofluoromethane	50	108	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12248AF0 Sample I.D.: 214397-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	93	80-120	94	101	61-145	7	14
Benzene	25	96	80-120	95	98	76-127	3	11
Trichloroethene	25	104	80-120	114	120	71-120	5	14
Toluene	25	96	80-120	97	96	76-125	1	13
Chlorobenzene	25	100	80-120	101	101	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: WCC12S-15
Laboratory I.D.: 214406-001
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	12	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	37	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/11/96	6/11/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC12S-15
Laboratory I.D.: 214406-001
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	140	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	103	88-110
Bromofluorobenzene	50	97	86-115
Dibromofluoromethane	50	114	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFA Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	83	80-120	127	129	61-145	2	14
Benzene	25	95	80-120	91	92	76-127	1	11
Trichloroethene	25	107	80-120	a	116	71-120	6	14
Toluene	25	100	80-120	92	98	76-125	6	13
Chlorobenzene	25	97	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: DACPI-15
Laboratory I.D.: 214406-010
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	100	a	ND	10
Benzene	ND	50	a	ND	5
3romobenzene	ND	50	a	ND	5
3romochloromethane	ND	50	a	ND	5
Bromodichloromethane	ND	50	a	ND	5
3romoform	ND	50	a	ND	5
3romomethane	ND	100	a	ND	10
2-Butanone	ND	100	a	ND	10
n-Butylbenzene	ND	50	a	ND	5
;ec-Butylbenzene	ND	50	a	ND	5
ert-Butylbenzene	ND	50	a	ND	5
Carbon disulfide	ND	50	a	ND	5
Carbon tetrachloride	ND	50	a	ND	5
:hlorobenzene	ND	50	a	ND	5
Chloroethane	ND	100	a	ND	10
2-Chloroethyl vinyl ether	ND	100	a	ND	10
:hloroform	ND	50	a	ND	5
:hloromethane	ND	100	a	ND	10
2-Chlorotoluene	ND	50	a	ND	5
4-Chlorotoluene	ND	50	a	ND	5
)ibromochloromethane	ND	50	a	ND	5
,2-Dibromo-3-chloropropane	ND	50	a	ND	5
1,2-Dibromoethane	ND	50	a	ND	5
)ibromomethane	ND	50	a	ND	5
,2-Dichlorobenzene	ND	50	a	ND	5
1,3-Dichlorobenzene	ND	50	a	ND	5
1,4-Dichlorobenzene	ND	50	a	ND	5
)ichlorodifluoromethane	ND	100	a	ND	10
,1-Dichloroethane	ND	50	a	ND	5
1,2-Dichloroethane	ND	50	a	ND	5
,1-Dichloroethene	190	50	a	ND	5
is-1,2-Dichloroethene	95	50	a	ND	5
trans-1,2-Dichloroethene	ND	50	a	ND	5
1,2-Dichloropropane	ND	50	a	ND	5
,3-Dichloropropane	ND	50	a	ND	5
,2-Dichloropropane	ND	50	a	ND	5
1,1-Dichloropropene	ND	50	a	ND	5
s-1,3-Dichloropropene	ND	50	a	ND	5
ans-1,3-Dichloropropene	ND	50	a	ND	5
Ethylbenzene	ND	50	a	ND	5
Freon 113	ND	50	a	ND	5
exachlorobutadiene	ND	50	a	ND	5
-Hexanone	ND	100	a	ND	10
Isopropylbenzene	ND	50	a	ND	5
-Isopropyltoluene	ND	50	a	ND	5
lethylene chloride	ND	50	a	ND	5
4-Methyl-2-pentanone	ND	100	a	ND	10
Naphthalene	ND	50	a	ND	5
-Propylbenzene	ND	50	a	ND	5

Analytical Notes

a - Raise detection limit due presence of high concentration target analytes.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/13/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: DACPI-15
Laboratory I.D.: 214406-010
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	50	b	ND	5
1,1,1,2-Tetrachloroethane	ND	50	b	ND	5
1,1,2,2-Tetrachloroethane	ND	50	b	ND	5
Tetrachloroethene	ND	50	b	ND	5
Toluene	490	50	b	ND	5
1,2,3-Trichlorobenzene	ND	50	b	ND	5
1,2,4-Trichlorobenzene	ND	50	b	ND	5
1,1,1-Trichloroethane	ND	50	b	ND	5
1,1,2-Trichloroethane	ND	50	b	ND	5
Trichloroethene	13,000	500	c	ND	5
Trichlorofluoromethane	ND	50	b	ND	5
1,2,3-Trichloropropane	ND	50	b	ND	5
,2,4-Trimethylbenzene	ND	50	b	ND	5
1,3,5-Trimethylbenzene	ND	50	b	ND	5
Vinyl acetate	ND	100	b	ND	10
Vinyl chloride	ND	100	b	ND	10
m,p-Xylenes	ND	50	b	ND	5
o-Xylene	ND	50	b	ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

b - Raise detection limit due to presence of high concentration target analytes.

c - Result reported from a 1:100 dilution.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	101	88-110
romofluorobenzene	50	96	86-115
ibromofluoromethane	50	106	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data
Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: WCC1D-15
Laboratory I.D.: 214397-003
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
ert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
ibromochloromethane	ND	5		ND	5
,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
,2-Dichlorobenzene	ND	5		ND	5
,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
ichlorodifluoromethane	ND	10		ND	10
,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
s-1,2-Dichloroethene	ND	5		ND	5
ans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
3-Dichloropropane	ND	5		ND	5
2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
ans-1,3-Dichloropropene	ND	5		ND	5
thylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
exachlorobutadiene	ND	5		ND	5
Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
ethylene chloride	ND	5		ND	5
Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/06/96	N/A
Date Analyzed:	6/10/96	6/10/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC1D-15
Laboratory I.D.: 214397-003
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
,2,4-Trimethylbenzene	ND	5		ND	5
,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
n,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	99	88-110
omofluorobenzene	50	91	86-115
bromofluoromethane	50	110	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12248AF0 Sample I.D.: 214397-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	93	80-120	94	101	61-145	7	14
Benzene	25	96	80-120	95	98	76-127	3	11
Trichloroethene	25	104	80-120	114	120	71-120	5	14
Toluene	25	96	80-120	97	96	76-125	1	13
Chlorobenzene	25	100	80-120	101	101	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: WCC3D-15
Laboratory I.D.: 214406-006
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
cetone	ND	10		ND	10
Benzene	ND	5		ND	5
romobenzene	ND	5		ND	5
romochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
romomethane	ND	10		ND	10
-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
ec-Butylbenzene	ND	5		ND	5
rt-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
hlorobenzene	ND	5		ND	5
hloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
hloroform	ND	5		ND	5
hloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
bromochloromethane	ND	5		ND	5
2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
2-Dichlorobenzene	ND	5		ND	5
,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
chlorodifluoromethane	ND	10		ND	10
1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1-Dichloroethene	84	5		ND	5
s-1,2-Dichloroethene	ND	5		ND	5
ans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
3-Dichloropropane	ND	5		ND	5
2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
is-1,3-Dichloropropene	ND	5		ND	5
ans-1,3-Dichloropropene	ND	5		ND	5
hylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
exachlorobutadiene	ND	5		ND	5
Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
-Isopropyltoluene	ND	5		ND	5
ethylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/12/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: WCC3D-15
Laboratory I.D.: 214406-006
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	21	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	59	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	60	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	101	88-110
romofluorobenzene	50	96	86-115
ibromofluoromethane	50	104	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

ABBREVIATIONS

BS/BSD - Blank Spike / Blank Spike Duplicate

BTEX - Benzene, Toluene, Ethyl Benzene, and Total Xylenes.

CCR - California Code of Regulations.

DHS - California Department of Health Services.

EPA - United States Environmental Protection Agency.

LCS - Laboratory Control Spike

LUFT - Leaking Underground Fuel Tank.

MDL - Method Detection Limit

NA - Not Applicable.

NC - Not Calculable

ND - Not Detected at or above the defined detection limit.

PQL - Practical Quantitation Limit

RPD - Relative percent difference.

STLC - Soluble Threshold Limit Concentration.

Surr. - Surrogates.

TCLP - Toxicity Characteristic Leaching Procedure.

TEH - Total Extractable Petroleum Hydrocarbons.

Title 26 - Title 26 of the California Code of Regulations (CCR).

TR~ - Trace, estimated value .

TTLC - Total Threshold Limit Concentration.

TVH - Total Volatile Hydrocarbons.

WET - Waste Extraction Test.

UNITS

cm3 - Cubic centimeter
Kg - kilogram.
L - Liter.
mg - Milligrams.
M3 - Cubic meter.

1umhos/cm - uS/cm - Micro Siemens/centimeter
ppb - Parts per billion.
ppm - Parts per million.
ug - Micrograms.
ppbv - Parts per billion per unit volume

APPENDIX B

LABORATORY/FIELD QUALITY CONTROL DATA SHEETS

VOLATILE ORGANICS

Client I.D.: DW-060696
Laboratory I.D.: 214397-007
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	29	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/06/96	N/A
Date Analyzed:	6/10/96	6/10/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: DW-060696
Laboratory I.D.: 214397-007
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	170	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	103	88-110
Bromofluorobenzene	50	91	86-115
Dibromofluoromethane	50	113	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12248AF0 Sample I.D.: 214397-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	93	80-120	94	101	61-145	7	14
Benzene	25	96	80-120	95	98	76-127	3	11
Trichloroethene	25	104	80-120	114	120	71-120	5	14
Toluene	25	96	80-120	97	96	76-125	1	13
Chlorobenzene	25	100	80-120	101	101	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: TB-060696
Laboratory I.D.: 214397-008
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
,2-Dichlorobenzene	ND	5		ND	5
,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
is-1,2-Dichloroethene	ND	5		ND	5
ans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
,3-Dichloropropane	ND	5		ND	5
,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
ans-1,3-Dichloropropene	ND	5		ND	5
thylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
exachlorobutadiene	ND	5		ND	5
-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
ethylene chloride	ND	5		ND	5
-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
Propylbenzene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	6/06/96	N/A
Date Analyzed:	6/10/96	6/10/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: TB-060696
Laboratory I.D.: 214397-008
Client: KENNEDY/JENKS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	98	88-110
Bromofluorobenzene	50	92	86-115
Dibromofluoromethane	50	108	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12248AF0 Sample I.D.: 214397-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	93	80-120	94	101	61-145	7	14
Benzene	25	96	80-120	95	98	76-127	3	11
Trichloroethene	25	104	80-120	114	120	71-120	5	14
Toluene	25	96	80-120	97	96	76-125	1	13
Chlorobenzene	25	100	80-120	101	101	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: DW-060796
Laboratory I.D.: 214406-011
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	50	a	ND	10
Benzene	ND	25	a	ND	5
Bromobenzene	ND	25	a	ND	5
Bromochloromethane	ND	25	a	ND	5
Bromodichloromethane	ND	25	a	ND	5
Bromoform	ND	25	a	ND	5
Bromomethane	ND	50	a	ND	10
2-Butanone	ND	50	a	ND	10
n-Butylbenzene	ND	25	a	ND	5
sec-Butylbenzene	ND	25	a	ND	5
tert-Butylbenzene	ND	25	a	ND	5
Carbon disulfide	ND	25	a	ND	5
Carbon tetrachloride	ND	25	a	ND	5
Chlorobenzene	ND	25	a	ND	5
Chloroethane	ND	50	a	ND	10
2-Chloroethyl vinyl ether	ND	50	a	ND	10
Chloroform	29	25	a	ND	5
Chloromethane	ND	50	a	ND	10
2-Chlorotoluene	ND	25	a	ND	5
4-Chlorotoluene	ND	25	a	ND	5
Dibromochloromethane	ND	25	a	ND	5
1,2-Dibromo-3-chloropropane	ND	25	a	ND	5
1,2-Dibromoethane	ND	25	a	ND	5
Dibromomethane	ND	25	a	ND	5
1,2-Dichlorobenzene	ND	25	a	ND	5
1,3-Dichlorobenzene	ND	25	a	ND	5
1,4-Dichlorobenzene	ND	25	a	ND	5
Dichlorodifluoromethane	ND	50	a	ND	10
1,1-Dichloroethane	ND	25	a	ND	5
1,2-Dichloroethane	ND	25	a	ND	5
1,1-Dichloroethene	180	25	a	ND	5
cis-1,2-Dichloroethene	95	25	a	ND	5
trans-1,2-Dichloroethene	ND	25	a	ND	5
1,2-Dichloropropane	ND	25	a	ND	5
1,3-Dichloropropane	ND	25	a	ND	5
2,2-Dichloropropane	ND	25	a	ND	5
1,1-Dichloropropene	ND	25	a	ND	5
cis-1,3-Dichloropropene	ND	25	a	ND	5
trans-1,3-Dichloropropene	ND	25	a	ND	5
Ethylbenzene	ND	25	a	ND	5
Freon 113	ND	25	a	ND	5
Hexachlorobutadiene	ND	25	a	ND	5
2-Hexanone	ND	50	a	ND	10
Isopropylbenzene	ND	25	a	ND	5
p-Isopropyltoluene	ND	25	a	ND	5
Methylene chloride	ND	25	a	ND	5
4-Methyl-2-pentanone	ND	50	a	ND	10
Naphthalene	ND	25	a	ND	5
n-Propylbenzene	ND	25	a	ND	5

Analytical Notes

a - Raise detection limit due to presence of high concentration target analytes.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/13/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: DW-060796
Laboratory I.D.: 214406-011
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	25	b	ND	5
1,1,1,2-Tetrachloroethane	ND	25	b	ND	5
1,1,2,2-Tetrachloroethane	ND	25	b	ND	5
Tetrachloroethene	ND	25	b	ND	5
Toluene	490	25	b	ND	5
1,2,3-Trichlorobenzene	ND	25	b	ND	5
1,2,4-Trichlorobenzene	ND	25	b	ND	5
1,1,1-Trichloroethane	45	25	b	ND	5
1,1,2-Trichloroethane	ND	25	b	ND	5
Trichloroethene	12,000	500	c	ND	5
Trichlorofluoromethane	ND	25	b	ND	5
1,2,3-Trichloropropane	ND	25	b	ND	5
1,2,4-Trimethylbenzene	ND	25	b	ND	5
1,3,5-Trimethylbenzene	ND	25	b	ND	5
Vinyl acetate	ND	50	b	ND	10
Vinyl chloride	ND	50	b	ND	10
m,p-Xylenes	ND	25	b	ND	5
o-Xylene	ND	25	b	ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

b - Raise detection limit due to presence of high concentration target analytes.

c - Result from a 1:100 dilution.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	104	88-110
Bromofluorobenzene	50	95	86-115
Dibromofluoromethane	50	102	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: EB-060796
Laboratory I.D.: 214406-009
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
3romobenzene	ND	5		ND	5
3romochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
3romomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
;ec-Butylbenzene	ND	5		ND	5
ert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
:hlorobenzene	ND	5		ND	5
:hloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
:hloroform	ND	5		ND	5
:hloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
)ibromochloromethane	ND	5		ND	5
,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
)ibromomethane	ND	5		ND	5
,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
)ichlorodifluoromethane	ND	10		ND	10
,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
,1-Dichloroethene	ND	5		ND	5
is-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
,3-Dichloropropane	ND	5		ND	5
,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
s-1,3-Dichloropropene	ND	5		ND	5
ans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
exachlorobutadiene	ND	5		ND	5
-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
Isopropyltoluene	ND	5		ND	5
ethylene chloride	6	5	a	ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
Propylbenzene	ND	5		ND	5

Analytical Notes

a - Compound is a common laboratory contaminant.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/12/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: EB-060796
Laboratory I.D.: 214406-009
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	99	88-110
romofluorobenzene	50	96	86-115
ibromofluoromethane	50	102	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

VOLATILE ORGANICS

Client I.D.: TB-060796
Laboratory I.D.: 214406-012
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromobenzene	ND	5		ND	5
Bromochloromethane	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
n-Butylbenzene	ND	5		ND	5
sec-Butylbenzene	ND	5		ND	5
tert-Butylbenzene	ND	5		ND	5
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
2-Chloroethyl vinyl ether	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
2-Chlorotoluene	ND	5		ND	5
4-Chlorotoluene	ND	5		ND	5
Dibromochloromethane	ND	5		ND	5
1,2-Dibromo-3-chloropropane	ND	5		ND	5
1,2-Dibromoethane	ND	5		ND	5
Dibromomethane	ND	5		ND	5
1,2-Dichlorobenzene	ND	5		ND	5
1,3-Dichlorobenzene	ND	5		ND	5
1,4-Dichlorobenzene	ND	5		ND	5
Dichlorodifluoromethane	ND	10		ND	10
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
1,3-Dichloropropane	ND	5		ND	5
2,2-Dichloropropane	ND	5		ND	5
1,1-Dichloropropene	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
Hexachlorobutadiene	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Isopropylbenzene	ND	5		ND	5
p-Isopropyltoluene	ND	5		ND	5
Methylene chloride	5	5	a	ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Naphthalene	ND	5		ND	5
n-Propylbenzene	ND	5		ND	5

Analytical Notes

a - Compound is a common laboratory contaminant.

	Sample	Method Blank
Date Sampled:	6/07/96	N/A
Date Analyzed:	6/12/96	6/12/96

(continued on next page)

VOLATILE ORGANICS

Client I.D.: TB-060796
Laboratory I.D.: 214406-012
Client: KENNEDY/JENKS CONSULTANTS

Matrix: Liquid
Method: EPA 8260
Extraction: EPA 5030 Purge & Trap

(continued from previous page)

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Styrene	ND	5		ND	5
1,1,1,2-Tetrachloroethane	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,2,3-Trichlorobenzene	ND	5		ND	5
1,2,4-Trichlorobenzene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
1,2,3-Trichloropropane	ND	5		ND	5
1,2,4-Trimethylbenzene	ND	5		ND	5
1,3,5-Trimethylbenzene	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - MS recovery out of control due to matrix effect. MSD, LCS and RPD are within acceptable limits.

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	101	88-110
Bromofluorobenzene	50	95	86-115
Dibromofluoromethane	50	103	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 12271AFB Sample I.D.: 214406-001

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	96	80-120	127	129	61-145	2	14
Benzene	25	98	80-120	91	92	76-127	1	11
Trichloroethene	25	104	80-120	a	116	71-120	6	14
Toluene	25	113	80-120	92	98	76-125	6	13
Chlorobenzene	25	109	80-120	96	99	75-130	3	13

ABBREVIATIONS

BS/BSD - Blank Spike / Blank Spike Duplicate

BTEX - Benzene, Toluene, Ethyl Benzene, and Total Xylenes.

CCR - California Code of Regulations.

DHS - California Department of Health Services.

EPA - United States Environmental Protection Agency.

LCS - Laboratory Control Spike

LUFT - Leaking Underground Fuel Tank.

MDL - Method Detection Limit

NA - Not Applicable.

NC - Not Calculable

ND - Not Detected at or above the defined detection limit.

PQL - Practical Quantitation Limit

RPD - Relative percent difference.

STLC - Soluble Threshold Limit Concentration.

Surr. - Surrogates.

TCLP - Toxicity Characteristic Leaching Procedure.

TEH - Total Extractable Petroleum Hydrocarbons.

Title 26 - Title 26 of the California Code of Regulations (CCR).

TR~ - Trace, estimated value .

TTLC - Total Threshold Limit Concentration.

TVH - Total Volatile Hydrocarbons.

WET - Waste Extraction Test.

UNITS

cm3 - Cubic centimeter
Kg - kilogram.
L - Liter.
mg - Milligrams.
M3 - Cubic meter.

1umhos/cm - uS/cm - Micro Siemens/centimeter
ppb - Parts per billion.
ppm - Parts per million.
ug - Micrograms.
ppbv - Parts per billion per unit volume

APPENDIX C

GROUNDWATER PURGE AND SAMPLE FORMS

WATER LEVEL DATA SHEET

Well No.	Date Mo/Day/Yr	Time	Well Elevation	Depth To Water	Water Elevation	Initials	Comments
WCC-5S	6-6-96			63.76		SCS	
WCC-9S				62.87		SCS	
WCC-1D				66.18		SCS	
WCC-10S				65.89		SCS	
WCC-2S				65.85		SCS	
WCC-11S				64.68		SCS	
WCC-12S				62.88		SCS	
WCC-7S				64.30		SCS	
WCC-8S				65.90		SCS	
WCC-4S				65.25		SCS	
WCC-1S				66.17		SCS	
WCC-3D				66.75		SCS	
WCC-3S				66.60		SCS	
WCC-6S				66.71		SCS	
DAC-P1				67.46		SCS	

Job No. 944016.01 Facility DAC

Groundwater Purge and Sample Form Date: 6/7/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-3S

PROJECT NUMBER: 94406.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 66.60

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1611

PURGE DEPTH (FT) 75'

TIME END PURGE: 1626

TIME SAMPLED: 1630

COMMENTS: Purge rate lowered to 200 ml/min for sample collection.
- No Sheen on Purge water.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X 3 = 42 CASING VOLUME (GAL)
	88.23		66.60		21.63		0.16	0.64	1.44		13.84

TIME	1615	1618	1623	1626			
VOLUME PURGED (GAL)	10gal.	20gal.	36gal.	43gal.			
PURGE RATE (GPM)	2.8gpm	2.8gpm	2.8gpm	2.8gpm			
TEMPERATURE (°C)	76.9	74.0	73.2	72.9			
pH	6.55	6.67	6.73	6.74			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	4,460	2,940.	2,490.	2,400.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear, black floating particals	→		→			
ODOR	Strong hydl. odor	→		→			
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'			
DEPTH TO WATER DURING PURGE (FT)	N.A.	N.A.	N.A.	N.A.			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/7/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-15

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 66.17

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1347

PURGE DEPTH (FT) 82'

TIME END PURGE: 1403

TIME SAMPLED: 1406

COMMENTS: Purgerate lowered to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	CASING VOLUME (GAL)
	83.40		66.17		17.23		0.16	0.64	1.44		2.75

TIME	1355	1359	1403				
VOLUME PURGED (GAL)	5gal.	9gal.	11gal.				
PURGE RATE (GPM)	.68gpm	.68gpm	.68gpm				
TEMPERATURE (°C)	82.2	79.2	77.3				
pH	7.35	7.21	7.22				
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1946.	2390.	2320.				
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	light olive gray, Silty	Clear	Clear				
ODOR	NO	NO	NO				
DEPTH OF PURGE INTAKE (FT)	82'	82'	82'				
DEPTH TO WATER DURING PURGE (FT)	N.A.	N.A.	N.A.				
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/6/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-2S

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.85

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1721

PURGE DEPTH (FT) 75'

TIME END PURGE: 1734

TIME SAMPLED: 1738

COMMENTS: Lowered purge rate to 200 mL/min for sample collection

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3=44 CASING VOLUME (GAL)
	88.90		65.85		23.05		0.16	0.64	1.44		14.75

TIME	1724	1729	1731	1733	1734		
VOLUME PURGED (GAL)	5gal.	20gal.	30gal	40gal.	45gal.		
PURGE RATE (GPM)	3gpm	3gpm	3gpm	3gpm	3gpm		
TEMPERATURE (°C)	76.4	72.8	72.5	72.8	72.8		
pH	8.25	7.71	7.63	7.57	7.46		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	978.	900.	894.	895.	900.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	V. Slightly cloudy	→	→	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	67.30	67.50	67.60	67.55	67.55		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/7/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-4S

PROJECT NUMBER: 944016.01 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.25 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1151 PURGE DEPTH (FT) 75'

TIME END PURGE: 1205

TIME SAMPLED: 1210

COMMENTS: Lowered purge rate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3=47gal. CASING VOLUME (GAL)
	89.70		65.25		24.45		0.16	0.64	1.44		15.54

TIME	1153	1157	1200	1202	1205		
VOLUME PURGED (GAL)	5gal.	20gal.	30gal.	40gal.	50gal.		
PURGE RATE (GPM)	3.5gpm	3.5gpm	3.5gpm	3.5gpm	3.5gpm		
TEMPERATURE (°C)	80.8	78.2	77.3	77.4	77.3		
pH	7.35	7.35	7.33	7.31	7.37		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2,200	1914.	1807	1734.	1670.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75' ~~Clear~~	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	66.32	66.35	66.35	66.35	66.35		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/6/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-5S

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 63.76

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1213

PURGE DEPTH (FT) 75'

TIME END PURGE: 1229

TIME SAMPLED: 1234

COMMENTS: Lowered purgerate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3 = 50 CASING VOLUME (GAL)
	89.65		63.76		25.89		0.16	0.64	1.44		16.56

TIME	1215	1220	1223	1226	1229		
VOLUME PURGED (GAL)	5gal.	20gal.	30gal.	40gal.	50gal.		
PURGE RATE (GPM)	3gpm	3gpm	3gpm	3gpm	3gpm		
TEMPERATURE (°C)	82.8	77.2	76.0	76.0	76.3		
pH	8.31	7.35	7.32	7.26	7.27		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	553.	1721.	1650.	1,594.	1596.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	N.A.	N.A.	N.A.	N.A.	N.A.		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/7/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-65

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 66.71

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flo 2

TIME START PURGE: 1701

PURGE DEPTH (FT) 75'

TIME END PURGE: 1716

TIME SAMPLED: 1720

COMMENTS: Reduced flowrate to 200 ml/min for sample collection.
EB-060796 collected at 1743.
Collected Equipment Blank after decon. x3=43gal.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	CASING VOLUME (GAL)
	89.19		66.71		22.48		0.16	0.64	1.44		14.38

TIME	1703	1708	1713	1716			
VOLUME PURGED (GAL)	5gal.	20gal.	30gal.	43gal.			
PURGE RATE (GPM)	2.8gpm	2.8gpm	2.8gpm	2.8gpm			
TEMPERATURE (°C)	76.9	73.1	72.9	72.8			
pH	7.07	7.02	7.03	7.06			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1485.	1553.	1618.	1643			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear Floating Black particles	Clear	Clear	Clear			
ODOR	Strong Hyd. Odor	Strong Hyd. Odor	→	→			
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'			
DEPTH TO WATER DURING PURGE (FT)	N.A.	N.A.	N.A.	N.A.			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/7/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-7S

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 64.30

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1012

PURGE DEPTH (FT) 75'

TIME END PURGE: 1027

TIME SAMPLED: 1033

COMMENTS: Lowered purgerate to 200 ml/min while filling sample containers.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x 3 = 47 gal. CASING VOLUME (GAL)
	89.00		64.30		24.70		0.16	0.64	1.44		15.80

TIME	1014	1018	1021	1024	1027		
VOLUME PURGED (GAL)	5gal.	20gal.	30gal.	40gal.	50gal.		
PURGE RATE (GPM)	3gpm	3gpm	3gpm	3gpm	3gpm		
TEMPERATURE (°C)	77.6	73.5	72.5	72.5	72.1		
pH	7.40	7.30	7.31	7.30	7.34		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2350.	1944.	1740.	1658.	1561.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	65.20	65.30	65.30	65.30	65.30		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/7/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-8S

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.90

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1105

PURGE DEPTH (FT) 75'

TIME END PURGE: 1120

TIME SAMPLED: 1125

COMMENTS: Slowed purge rate to 200 ml/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X 3 = 45 CASING VOLUME (GAL)
	89.25		65.90		23.35		0.16	0.64	1.44		14.94

TIME	1107	1112	1115	1118	1120		
VOLUME PURGED (GAL)	5gal.	20gal.	30gal.	40gal.	50gal.		
PURGE RATE (GPM)	3gpm	3gpm	3gpm	3gpm	3gpm		
TEMPERATURE (°C)	79.2	77.5	75.5	74.8	74.7		
pH	7.07	6.97	7.07	6.99	7.02		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2,260.	2,200.	2,190.	2,150.	2130.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	67.15	67.52	67.40	67.40	67.40		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/6/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-95

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 62.87

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1337

PURGE DEPTH (FT) 75

TIME END PURGE: 1350

TIME SAMPLED: 1354

COMMENTS: Lowered purgerate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x 3 = 50.5 CASING VOLUME (GAL)
	89.20		62.87		26.33		0.16	0.64	1.44		16.85

TIME	1339	1343	1345	1347	1350		
VOLUME PURGED (GAL)	5gal.	20gal.	30gal.	40gal.	50gal.		
PURGE RATE (GPM)	4gpm	4gpm	4gpm	4gpm	4gpm		
TEMPERATURE (°C)	80.5	77.9	76.5	75.0	75.9		
pH	7.67	7.46	7.34	7.35	7.38		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1885.	1298.	1280.	1281.	1283.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	64.90	64.70	64.75	64.74	64.75		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/6/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-10 S

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.89

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1618

PURGE DEPTH (FT) 75'

TIME END PURGE: 1632

TIME SAMPLED: 1636

COMMENTS: Lowered purgerate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X 3 = 45gal. CASING VOLUME (GAL)
	89.50		65.89		23.61		0.16	0.64	1.44		15.11

TIME	1623	1625	1627	1631	1632		
VOLUME PURGED (GAL)	10gal.	20gal.	30gal.	40gal.	45gal.		
PURGE RATE (GPM)							
TEMPERATURE (°C)	77.0	73.9	73.5	73.2	73.0		
pH	7.60	~~6.~~ 7.0	7.25	7.27	7.27		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1163.	1116.	1123.	1119.	1119.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Slightly cloudy, clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	N.A.	N.A.	N.A.	N.A.	N.A.		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/6/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-115

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 64.68

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Red.-Flow 2

TIME START PURGE: 1821

PURGE DEPTH (FT) 75'

TIME END PURGE: 1832

TIME SAMPLED: 1836

COMMENTS: Lowered purgerate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X 3 = 47 CASING VOLUME (GAL)
	89.30		64.68		24.62		0.16	0.64	1.44		15.75

TIME	1823	1825	1828	1831	1832		
VOLUME PURGED (GAL)	5gal.	20gal.	30gal.	40gal.	45gal.		
PURGE RATE (GPM)	4gpm	4gpm	4gpm	4gpm	4gpm		
TEMPERATURE (°C)	75.5	72.1	71.3	71.2	70.9		
pH	7.56	7.37	7.32	7.29	7.32		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1557.	1487.	1499.	1506.	1512.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	70.65	71.90	71.95	71.95	71.93		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/7/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-12S

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 62.88

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 920

PURGE DEPTH (FT) 75

TIME END PURGE: 934

TIME SAMPLED: 938

COMMENTS: Lowered purgerate to 200 mL/min while filling sample containers.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X 3 = 50 CASING VOLUME (GAL)
	89.20		62.88		26.32		0.16	0.64	1.44		16.84

TIME	923	925	929	932	934		
VOLUME PURGED (GAL)	10gal.	20gal.	30gal.	40gal.	50gal.		
PURGE RATE (GPM)	3.5gpm	3.5gpm	3.5gpm	3.5gpm	3.5gpm		
TEMPERATURE (°C)	72.9	72.9	72.9	73.1	72.9		
pH	7.33	7.40	7.34	7.36	7.37		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1561.	1459.	1414.	1423	1425.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	65.00'	65.20'	65.15'	65.20	65.20		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/7/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: DAC-P1

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 67.46

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1817

PURGE DEPTH (FT) 88'

TIME END PURGE: 1837

TIME SAMPLED: 1842

COMMENTS: Purgerate lowered to 200 mL/min for sample collection. - Pump stoped working during sampleing. There was enough water in discharge to fill vo

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x3=43 CASING VOLUME (GAL)
	89.90		67.46		22.44		0.16	0.64	1.44		14.36

TIME	1820	1825	1829	1837			
VOLUME PURGED (GAL)	10gal.	20gal.	30gal.	43gal.			
PURGE RATE (GPM)	2gpm	2gpm	2gpm	2gpm			
TEMPERATURE (°C)	72.7	72.5	71.7	71.7			
pH	7.43	7.26	7.22	7.28			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2570.	2500.	2570.	2530.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	V. slightly cloudy	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	88'	88'	88'	88'			
DEPTH TO WATER DURING PURGE (FT)	N.A.	N.A.	N.A.	N.A.			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 6/6/96 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-1D

PROJECT NUMBER: 944016.01

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 66.18

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Elec. Probe

PURGE METHOD: Redi-Flow 2 pump

TIME START PURGE: 1447

PURGE DEPTH (FT) 100'

TIME END PURGE: 1512

TIME SAMPLED: 1516

COMMENTS: Lowered purgerate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x3=14.5gal. CASING VOLUME (GAL)
	135.75		66.18		69.57		0.16	0.64	1.44		45

TIME	1448	1457	1506	1508	1510	1512	
VOLUME PURGED (GAL)	5 gal.	50gal.	100gal.	120gal.	130gal.	140gal.	
PURGE RATE (GPM)	5gpm	5gpm	5gpm	5gpm	5gpm	5gpm	
TEMPERATURE (°C)	80.0	76.5	74.7	74.9	74.9	74.9	
pH	8.22	7.79	7.70	7.64	7.70	7.69	
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	916.	881.	848.	847	844.	844.	
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	
ODOR	NO	NO	NO	NO	NO	NO	
DEPTH OF PURGE INTAKE (FT)	100'	100'	100'	100'	100'	100'	
DEPTH TO WATER DURING PURGE (FT)	73.35'	74.00'	74.00	74.00	74.00	74.00	
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

☐ 530 South 336th St., Federal Way, WA 98003
☐ 17310 Red Hill Ave., #220, Irvine, CA 92714
☐ 2191 East Bayshore Rd., #200, Palo Alto, CA 94303
☐ 2136 Bra[illegible] Rd., #1[illegible] [illegible]ament [illegible]5827
☐ 303 Second St., San Francisco, CA 94107
☐ 1000 Hill Rd., #200, Ventura, CA 93003

POSSIBLE HAZARDS: _____

Date 6/7/96

Report To Sarah Bartling

Source of Samples DAC

Company Kennedy/Jenks

Sampler Name Shane Scrivashire Address [illegible]

(5)
ANALYSES REQUESTED

Lab Destination Curtis + Tompkins

Address

BOE-C6-0017982

	WCC 15-12		1521		15'													"
	WCC 1D-15		1516		100'													"
	WCC 10S-15		1636		75'													"
	WCC 2S-15		1738		75'													"
	WCC 11S-15		1836		75'													"
	DW-060696		—		—													"
	TB-060696		—		—													2-40 mL VOAS

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time
Shane Scrimshire	Shane Scrimshire	K/S	6/7/96	8:08

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
ROGER COLVIN	Roger Colvin	CET	6/7/96	8:08

\MISC\CUSTODY2.FRM

000065 06

BOE-C6-0017983