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GROUNDWATER MONITORING DATA SUMMARY REPORT FOURTH QUARTER, 1993

DOUGLAS AIRCRAFT COMPANY C-6 FACILITY
TORRANCE, CALIFORNIA

K/J 924010.01

DECEMBER 1993

SCANNED

Kennedy/Jenks Consultants

GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER, 1993

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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 during the period of 18 and 19 November 1993, Fourth Quarter 1993.

2.0 QUARTERLY MONITORING PROGRAM

Fourth Quarter 1993 groundwater sampling was performed in accordance with standard sampling procedures. Static water level depths were measured on 18 November 1993 prior to initiating purging of groundwater from any observation wells. Static water depths on monitoring wells (MW-9, MW-18 and MW-19) located in the southern portion of 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 Fourth Quarter 1993.

> 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 on Figure 3. Table 4 summarizes available measured groundwater elevations to date. Estimated groundwater elevation contours for the Fourth Quarter are presented on Figure 4. 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. Observation well WCC-1S was purged with a bailer since the 2-inch casing size would not accommodate a pump. 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, temperature and clarity. Purged groundwater was stored onsite in DOT approved 55 gallon barrels pending the results of laboratory analysis of samples.

Following groundwater purging, the submersible pump was removed from the well and a representative groundwater sample was collected using a steam-cleaned stainless steel point-source bailer equipped with top and bottom ball-check valves. The bailer was lowered to the approximate mid-point of the saturated well screen interval and retrieved to ground surface. The contents of the bailer were drained into three labelled 40-ml capacity vials, preserved with HCL.

2.2 Field QA/QC Procedures

Two duplicate groundwater samples were collected for the sampling rounds on 18 and 19 November 1993 for quality control purposes. The duplicates were collected in three HCL-preserved vials each and identified by inserting the collection date after "DW-" (DW-111893 and DW-111993). No further sample identification was provided to the laboratory. Samples DW-111893 and DW-111993 were taken from observation wells WCC-3D and WCC-11S, respectively.

Following decontamination of the bailer by steam-cleaning, and prior to collection of groundwater samples from the successive well, equipment rinsate blanks were prepared for laboratory analysis. The equipment rinsate blanks were prepared by pouring Reagent Grade II water, prepared by the analytical laboratory, through the bailer and discharge spigot and collecting the rinsate in one 40-ml vial preserved with HCL. The blanks were identified following a similar protocol to that used for duplicate water samples and are identified as "FB-111893" and "FB-111993". The wells sampled before and after rinsate blank preparation were recorded. FB-111893 was collected after sampling well WCC-9S and prior to sampling well WCC-1D. FB-111993 was collected after sampling WCC-3S and prior to sampling well WCC-1S.

All groundwater duplicate and field blank samples were transported in ice-cooled chests to Terra Tech Labs, Inc., 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 18 November 1993 (Table 4 and Appendix B). The groundwater elevations over the C-6 facility range from approximately 17.0 feet below mean sea level (MSL) to nearly 19 feet below MSL. An estimated potentiometric surface map for the shallow zone as measured on this day is presented as Figure 4. Water level measurements show a rise of approximately 0.2 feet over the DAC C-6 facility since the August quarterly monitoring. The groundwater gradient in the shallow zone was generally south-southeast with a southerly trough-like depression in the vicinity of observation wells WCC-7S and WCC-12S.

Insufficient data (two wells) are available to define the groundwater gradient in the deeper zone. Groundwater elevation in the two wells (WCC-1D and WCC-3D) is approximately 18.3 feet below MSL.

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 24,000 micrograms per liter (µg/L) coming onto DAC's property. This test result is consistent with prior sampling events. 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 have shown a slight decrease but remain in the range of 100 µg/L and tens of µg/L for TCE and 1,1-DCE, respectively.

- Groundwater elevation data (Figure 4) and chemical concentration data (Figure 3) indicate that chemical transport in the shallow zone is in a generally southerly direction in the vicinity of buildings 36 and 41. 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). Therefore, the data do not suggest chemical migration offsite from an onsite source.

- The First Quarter 1993 report noted anomalous data for several chemicals present in wells WCC-3D and WCC-3S. The June 1993 (Second Quarter) and August 1993 (Third Quarter) chemical data showed that measured concentrations were consistent with their historical ranges suggesting questionable First Quarter results. The November 1993 (Fourth Quarter) data show sporadic increases or decreases in concentration of several VOCs. Continued quarterly data will allow for an assessment of a trend, if any.

- Measured concentrations of MIBK and Toluene increased from 3,900 µg/L to 13,000 µg/L and 10,000 µg/L to 21,000 µg/L, respectively in well WCC-6S from the first to second quarter samplings while other chemical concentrations were consistent with their historical concentration ranges. Data from the Third Quarter 1993 sampling event indicated measured concentrations of MIBK and Toluene consistent with the Second Quarter measured concentrations. However, Fourth Quarter data indicate a return to historical concentration levels. Continued quarterly data will allow for an assessment of a trend, if any.

- Analytical data from the equipment rinsate blanks, sample duplicates, and laboratory spike and duplicates are indicative of reliable data.

TABLE 1
OBSERVATION WELL CONSTRUCTION DETAILS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER, 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

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]	03-26-87	2	91	78-88	72	Schedule 40 PVC 0.020-Inch Slots	Shallow
WCC-2S[1]	10-28-87	4	90.5	70-90	63	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-3S[1]	10-26-87	4	92.0	69-89	64	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-4S[1]	10-27-87	4	91.5	70.5-90.5	65	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-5S[1]	11-24-87	4	91	60.5-91	58.5	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-6S[2]	09-22-89	4	91	60-90	N/A[3]	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-7S[2]	06-08-89	4	90.5	60-90	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-8S[2]	06-12-89	4	90	59.5-89.5	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-9S[2]	09/21/89	4	91.5	60-90	55	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-10S[2]	06-07-89	4	90.8	60-90	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-11S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-12S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
DAC-P1	09-25-89	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-1D[2]	06-30-89	4	140	120-140	115	Schedule 40 PVC 0.010-Inch Slots	Deeper
WCC-3D[2]	06-27-89	4	140	120-140	114	Schedule 40 PVC 0.010-Inch Slots	Deeper

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TABLE 1 (Continued)
OBSERVATION WELL CONSTRUCTION DETAILS
GROUNDWATER MONITORING DATA SUMMARY REPORT
THIRD QUARTER, 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

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
MW-8[4]	05/10/89	4	85	65-80	62	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-9[4]	05/09/89	4	85	66-81	61	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-18[4]	03/29/90	4	84	68-83	67	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-19[4]	03/30/90	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

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TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
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	2800	-	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
WCC-2S	11/02/87	5	-	5	14	-	-	-	-	-	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
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	-
	07/13/93	18,000	<500	56,000	7,700	<3000	<500	660	<500	<500	32,000	-
	0823/89	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

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

TABLE 2
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FOURTH QUARTER 1993
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-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
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
WCC-6S	10/06/89	210	4	130	140	<5	12	7	<1	<1	<1	-
	11/16/91	5,800		5,000	3,000	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	57	<10	24	4,900	3,100

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

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
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
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
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

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

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
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
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
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
DAC-P1	10/09/89	<200	<200	<200	17,000	<1,000	<200	<200	<200	<200	<200	<1,000
	06/17/92	<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	2,800	<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

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

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
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
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

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
FOURTH QUARTER 1993
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
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
WCC-3S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	07/13/93	-	-	-	-	-	-	-	-	-	-
	0823/89	-	-	-	-	-	-	-	-	-	-
	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	<400	<200	<200	<200	<200

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
FOURTH QUARTER 1993
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
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
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

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
FOURTH QUARTER 1993
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
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
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

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
FOURTH QUARTER 1993
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
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
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
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

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
FOURTH QUARTER 1993
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
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

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

TABLE 4

SUMMARY OF GROUNDWATER ELEVATION DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

Observation Well	Reference Point[1] Elevation (Feet Above MSL)[2]	Water Level Elevation (Feet Above Mean Sea Level)				
		01/05/93	04/09/93	06/07/93	08/24/93	11/18/93
WCC-1S	50.70	-19.34	-18.79	-18.75	-18.25	-18.00
WCC-2S	50.59	-19.51	-18.64	-18.63	-18.15	-17.87
WCC-3S	51.19	-19.73	-18.83	-18.82	-18.36	-18.01
WCC-4S	49.69	-19.34	-18.86	-18.78	-18.37	-18.16
WCC-5S	48.22	-19.32	-18.83	-18.78	-18.38	-18.13
WCC-6S	50.95	-19.50	-19.03	-18.97	-18.55	-18.32
WCC-7S	48.29	-19.76	-19.30	-19.23	-18.83	-18.60
WCC-8S	50.56	-19.19	-18.69	-18.61	-18.19	-17.89
WCC-9S	47.01	-19.56	-19.09	-19.09	-18.69	-18.42
WCC-10S	51.12	-19.10	-18.42	-18.33	-17.83	-17.54
WCC-11S	49.97	-18.69	-18.13	-18.04	-17.60	-17.36
WCC-12S	46.92	-19.74	-19.26	-19.20	-18.78	-18.58
DAC-P1	52.44	-18.02	-17.46	-17.38	-17.03	-16.76
WCC-1D	50.45	-19.61	-19.10	-19.00	-18.53	-18.34
WCC-3D	51.18	-20.52	-18.87	-18.85	-18.40	-18.18
MW-8[6]	49.09	NA[5]	NA	NA	NA	NA
MW-9[6]	48.67	NA	NA	-20.58	NA	NA
MW-18[6]	50.29	NA	NA	-20.88	NA	NA
MW-19[6]	46.55	NA	NA	-20.13	NA	NA

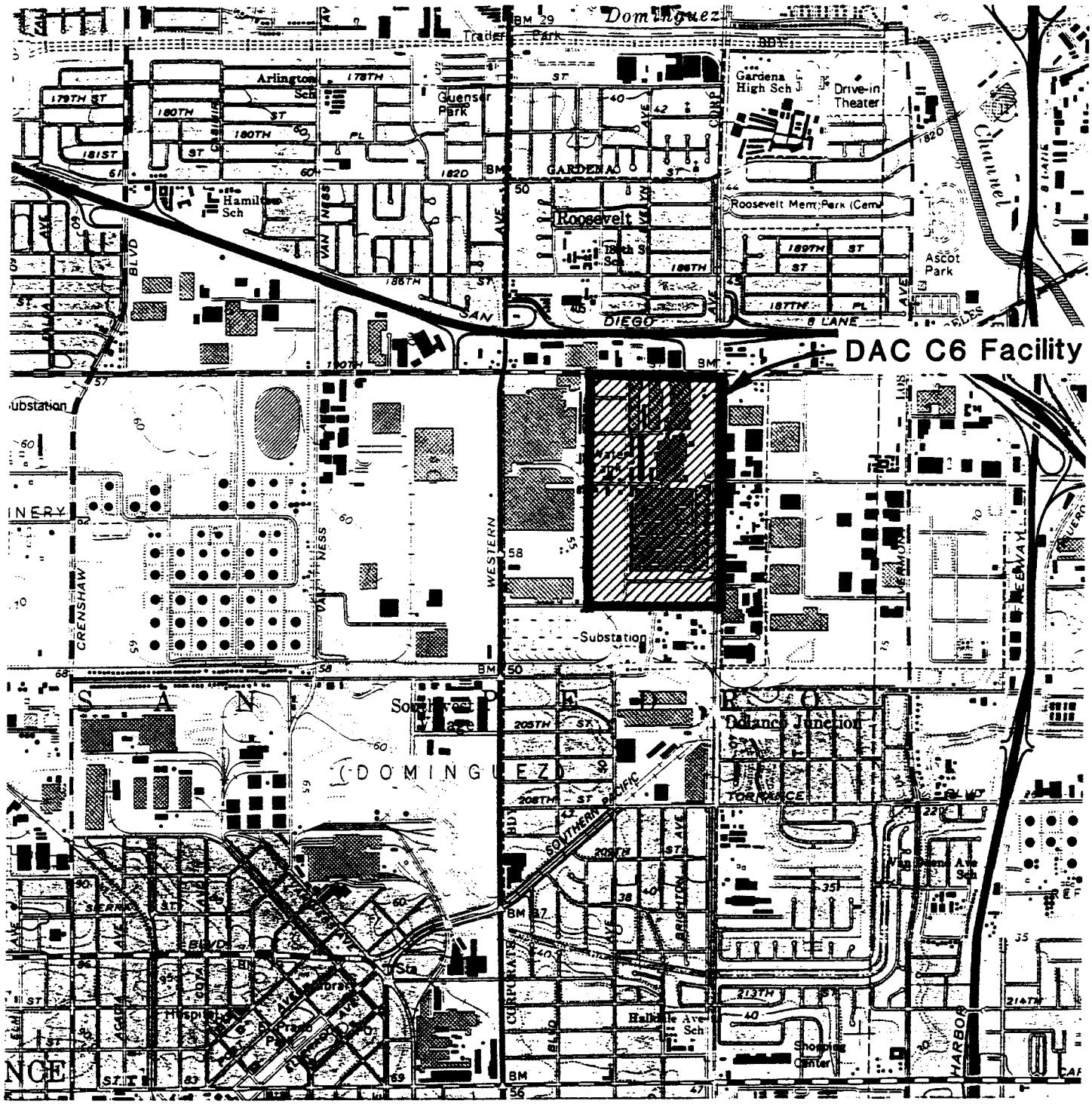
TABLE 4

SUMMARY OF GROUNDWATER ELEVATION DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

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]	06/15/92	09/21/92
WCC-1S	50.70	-21.63	-19.48	-19.20	-19.42
WCC-2S	50.59	-19.72	-19.06	-19.15	-19.41
WCC-3S	51.19	-21.56	-19.42	-19.24	-19.52
WCC-4S	49.69	-21.77	-19.59	-19.22	-19.49
WCC-5S	48.22	NA[5]	-19.70	-19.13	-19.42
WCC-6S	50.95	NA	-19.70	-19.40	-19.64
WCC-7S	48.29	NA	-20.07	-19.63	-19.93
WCC-8S	50.56	NA	-19.35	-19.11	-19.34
WCC-9S	47.01	NA	-20.07	-19.44	-19.66
WCC-10S	51.12	NA	-18.42	-18.94	-19.33
WCC-11S	49.97	NA	NA	-17.62	-18.81
WCC-12S	46.92	NA	NA	-19.60	-19.90
DAC-P1	52.44	NA	NA	-17.76	-17.88
WCC-1D	50.45	NA	-19.51	-19.55	-19.92
WCC-3D	51.18	NA	-19.38	-19.39	-19.71
MW-8[6]	49.09	NA	NA	NA	NA
MW-9[6]	48.67	NA	NA	NA	NA
MW-18[6]	50.29	NA	NA	NA	NA
MW-19[6]	46.55	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. Data taken from Woodward-Clyde Consultants Phase II Report, May 1988.
4. Data taken from Woodward-Clyde Consultants Phase III Report, March 1990.
5. N/A - Not Available - No access to offsite wells.
6. Installed by Hargis + Associates, Inc. for Montrose Chemical Corporation



0 1,000 2,000 FEET

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

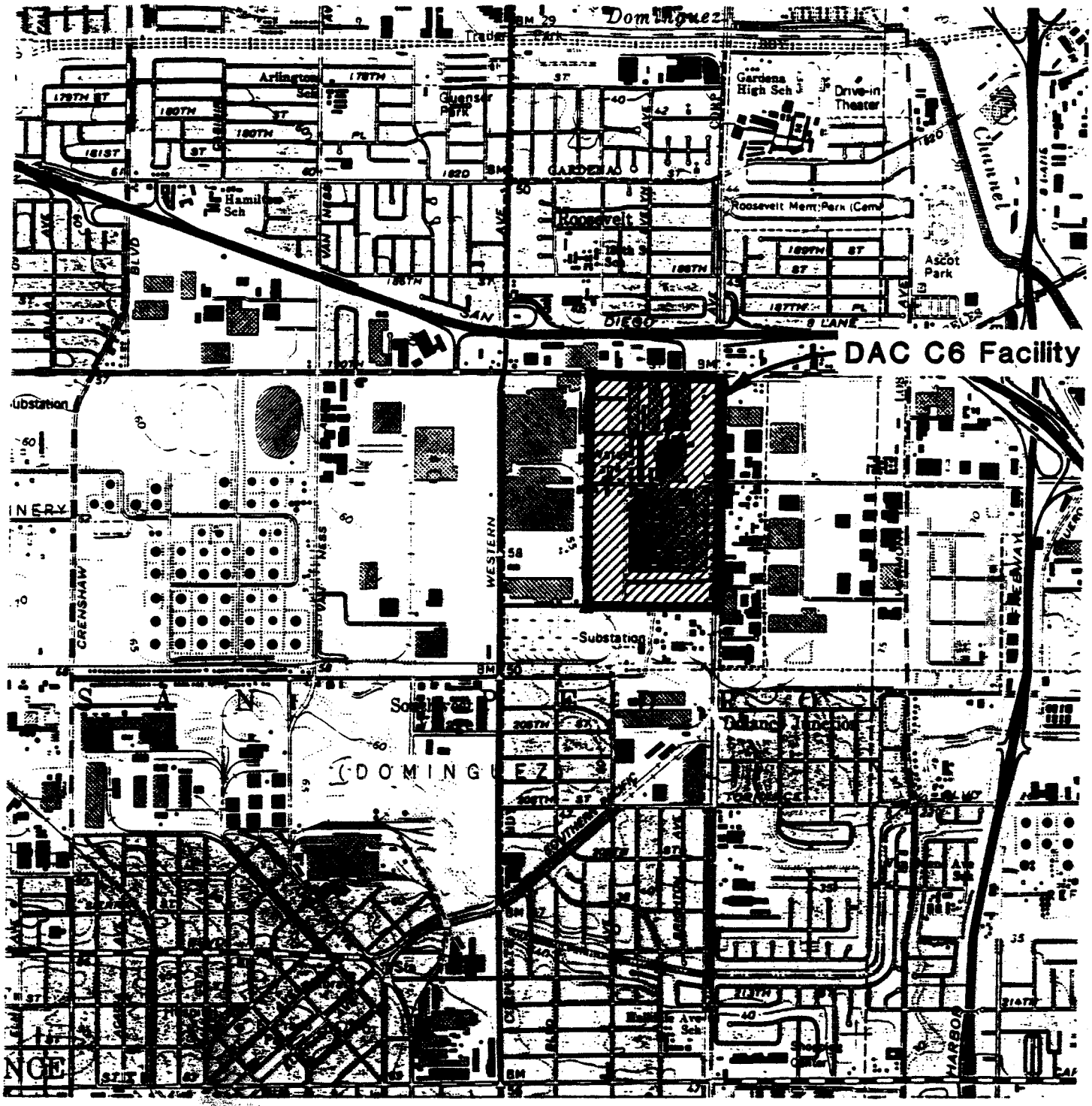
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Site Vicinity Map

December 1993
K/J 924010.01

Figure 1



N

0 1,000 2,000 FEET

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

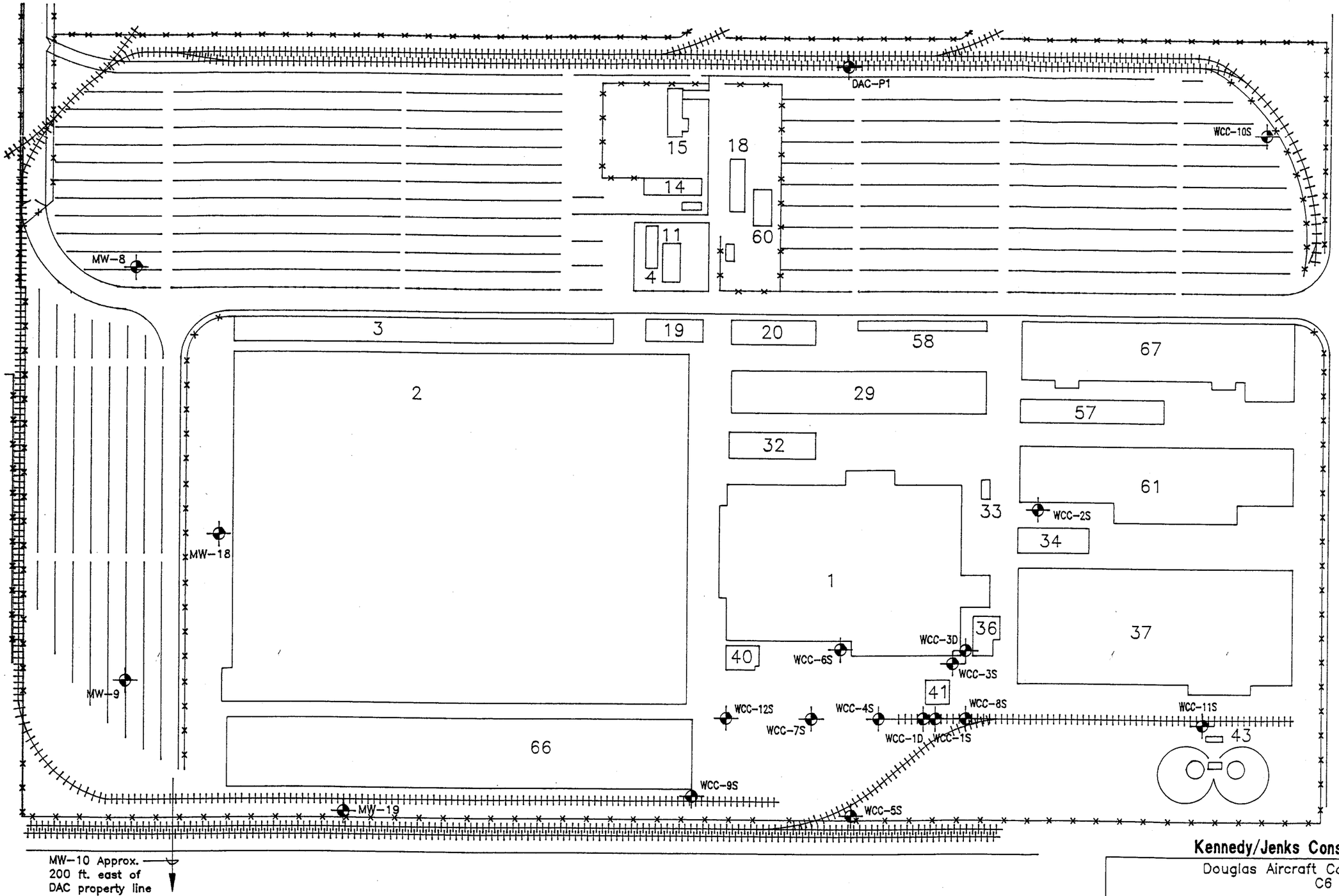
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Site Vicinity Map

December 1993
K/J 924010.01

Figure 1



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

Kennedy/Jenks Consultants

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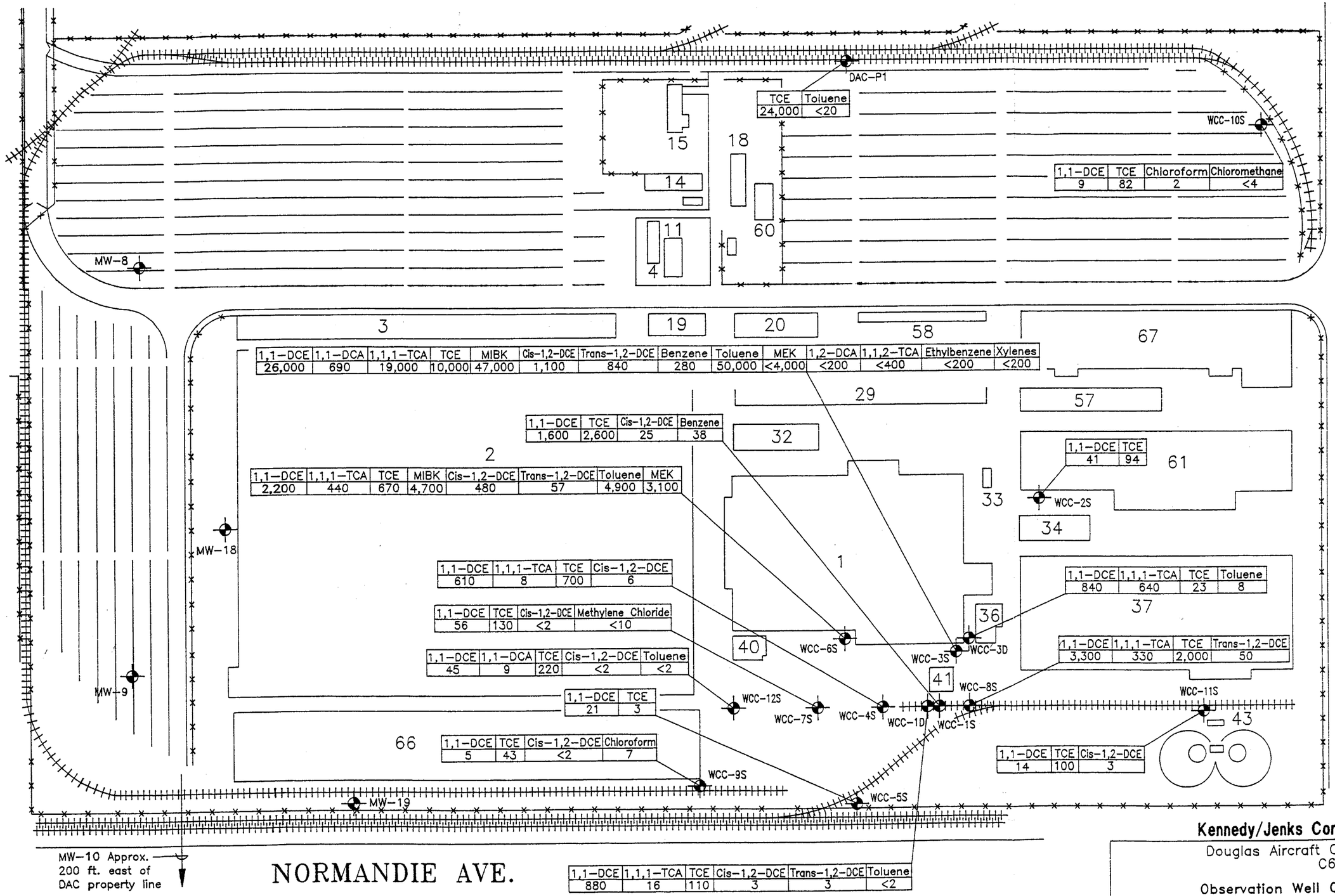
C6 Facility

Groundwater Observation Well Locations

December 1993
K/J 924010.01

Figure 2



LEGEND

WCC-1S Observation Well Location, Designation

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 well WCC-3S.
5. <2=compound not detected at a quantitation limit of 2 ug/l. Nondetects posted only for VOCs detected in the well in the previous sample round.

Kennedy/Jenks Consultants

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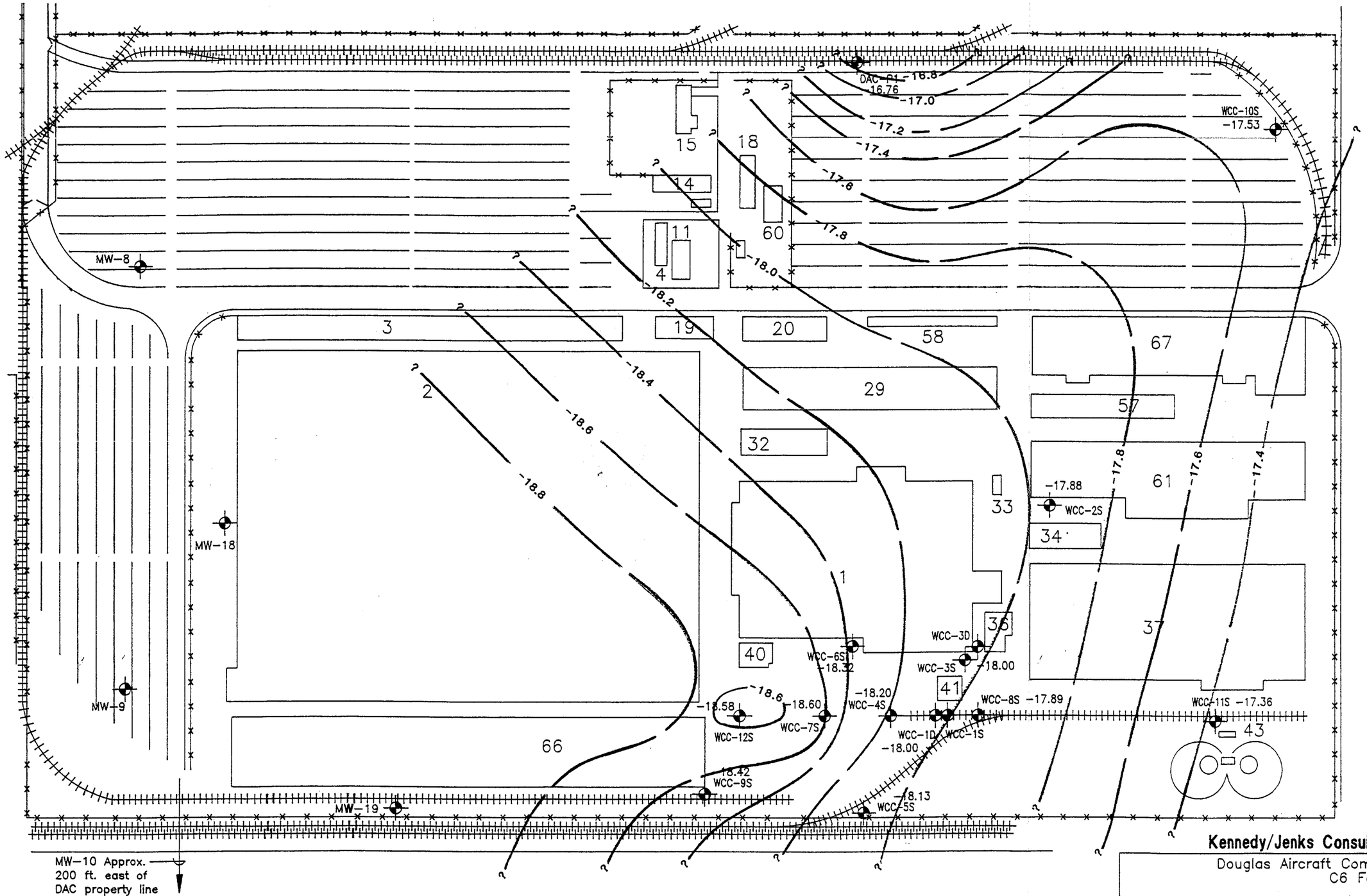
C6 Facility

Observation Well Chemical Concentrations August 1993 Sampling Event

December 1993
K/J 924010.01
Figure 3



Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Estimated Groundwater Elevation Contour Map, Shallow Zone August 1993

December 1993
K/J 924010.01

Figure 4

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

2) Contour Interval = 0.2 feet

LEGEND

WCC-1S -18.00 — Observation Well Location, Designation and groundwater elevation, feet MSL, measured 11/18/93.

APPENDIX A

LABORATORY DATA SHEETS

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid
Sample ID:	WCC 1S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	400
Benzene	71-43-2	38	20
Bromobenzene	108-86-1	ND	20
Bromochloromethane	74-97-5	ND	40
Bromodichloromethane	75-27-4	ND	20
Bromoform	75-25-2	ND	20
Bromomethane	74-83-9	ND	40
2-Butanone	78-93-3	ND	400
n-Butylbenzene	104-51-8	ND	20
sec-Butylbenzene	135-98-8	ND	20
tert-Butylbenzene	98-06-6	ND	20
Carbon tetrachloride	56-23-5	ND	20
Carbon disulfide	75-15-0	ND	20
Chlorobenzene	108-90-7	ND	20
Chloroethane	75-00-3	ND	40
Chloroform	67-66-3	ND	20
Chloromethane	74-87-3	ND	40
2-Chlorotoluene	95-49-8	ND	20
4-Chlorotoluene	106-43-4	ND	20
Dibromochloromethane	124-48-01	ND	20
1,2-Dibromo-3-chloropropane	96-12-8	ND	40
Dibromomethane	74-95-3	ND	20
1,2-Dibromoethane	106-93-4	ND	20
1,2-Dichlorobenzene	95-50-1	ND	20
1,3-Dichlorobenzene	541-73-1	ND	20
1,4-Dichlorobenzene	106-46-7	ND	20
Dichlorodifluoromethane	75-71-8	ND	20
1,1-Dichloroethane	75-34-3	ND	20
1,2-Dichloroethane	107-06-2	ND	20
1,1-Dichloroethene	75-35-4	1,600	40
cis-1,2-Dichloroethene	156-59-2	25	20
trans-1,2-Dichloroethene	156-60-5	ND	20

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: WCC 1S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	20
1,3-Dichloropropane	142-28-9	ND	20
2,2-Dichloropropane	594-20-7	ND	20
1,1-Dichloropropene	563-58-6	ND	20
cis-1,3-Dichloropropene	10061-01-5	ND	20
trans-1,3-Dichloropropene	10061-02-6	ND	20
Ethylbenzene	100-41-4	ND	20
Hexachlorobutadiene	87-68-3	ND	40
2-Hexanone	591-78-6	ND	200
Isopropylbenzene	98-82-8	ND	20
p-Isopropyltoluene	99-87-6	ND	20
Methylene chloride	75-09-2	ND	100
4-Methyl-2-pentanone	108-10-1	ND	200
Naphthalene	91-20-3	ND	20
n-Propylbenzene	103-65-1	ND	20
Styrene	100-42-5	ND	20
1,1,1,2-Tetrachloroethane	630-20-6	ND	20
1,1,2,2-Tetrachloroethane	79-34-5	ND	20
Tetrachloroethene	127-18-4	ND	20
Toluene	108-88-3	ND	20
1,2,3-Trichlorobenzene	87-61-6	ND	20
1,2,4-Trichlorobenzene	120-82-1	ND	20
1,1,1-Trichloroethane	71-55-6	ND	20
1,1,2-Trichloroethane	79-00-5	ND	40
Trichloroethene	79-01-6	2,600	20
Trichlorofluoromethane	75-69-4	ND	20
1,2,3-Trichloropropane	96-18-4	ND	20
1,2,4-Trimethylbenzene	95-63-6	ND	20
1,3,5-Trimethylbenzene	108-67-8	ND	20
Vinyl chloride	75-01-4	ND	40
o-Xylene	95-47-6	ND	20
p,m-Xylene	108-38-3, 106-42-3	ND	20

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 2S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	41	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid
Sample ID:	WCC 2S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	94	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: WCC 3S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	4,000
Benzene	71-43-2	280	200
Bromobenzene	108-86-1	ND	200
Bromochloromethane	74-97-5	ND	400
Bromodichloromethane	75-27-4	ND	200
Bromoform	75-25-2	ND	200
Bromomethane	74-83-9	ND	400
2-Butanone	78-93-3	ND	4,000
n-Butylbenzene	104-51-8	ND	200
sec-Butylbenzene	135-98-8	ND	200
tert-Butylbenzene	98-06-6	ND	200
Carbon tetrachloride	56-23-5	ND	200
Carbon disulfide	75-15-0	ND	200
Chlorobenzene	108-90-7	ND	200
Chloroethane	75-00-3	ND	400
Chloroform	67-66-3	ND	200
Chloromethane	74-87-3	ND	400
2-Chlorotoluene	95-49-8	ND	200
4-Chlorotoluene	106-43-4	ND	200
Dibromochloromethane	124-48-01	ND	200
1,2-Dibromo-3-chloropropane	96-12-8	ND	400
Dibromomethane	74-95-3	ND	200
1,2-Dibromoethane	106-93-4	ND	200
1,2-Dichlorobenzene	95-50-1	ND	200
1,3-Dichlorobenzene	541-73-1	ND	200
1,4-Dichlorobenzene	106-46-7	ND	200
Dichlorodifluoromethane	75-71-8	ND	200
1,1-Dichloroethane	75-34-3	690	200
1,2-Dichloroethane	107-06-2	ND	200
1,1-Dichloroethene	75-35-4	26,000	400
cis-1,2-Dichloroethene	156-59-2	1,100	200
trans-1,2-Dichloroethene	156-60-5	840	200

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: WCC 3S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	200
1,3-Dichloropropane	142-28-9	ND	200
2,2-Dichloropropane	594-20-7	ND	200
1,1-Dichloropropene	563-58-6	ND	200
cis-1,3-Dichloropropene	10061-01-5	ND	200
trans-1,3-Dichloropropene	10061-02-6	ND	200
Ethylbenzene	100-41-4	ND	200
Hexachlorobutadiene	87-68-3	ND	400
2-Hexanone	591-78-6	ND	2000
Isopropylbenzene	98-82-8	ND	200
p-Isopropyltoluene	99-87-6	ND	200
Methylene chloride	75-09-2	ND	1,000
4-Methyl-2-pentanone	108-10-1	47,000	2,000
Naphthalene	91-20-3	ND	200
n-Propylbenzene	103-65-1	ND	200
Styrene	100-42-5	ND	200
1,1,1,2-Tetrachloroethane	630-20-6	ND	200
1,1,2,2-Tetrachloroethane	79-34-5	ND	200
Tetrachloroethene	127-18-4	ND	200
Toluene	108-88-3	50,000	200
1,2,3-Trichlorobenzene	87-61-6	ND	200
1,2,4-Trichlorobenzene	120-82-1	ND	200
1,1,1-Trichloroethane	71-55-6	19,000	200
1,1,2-Trichloroethane	79-00-5	ND	400
Trichloroethene	79-01-6	10,000	200
Trichlorofluoromethane	75-69-4	ND	200
1,2,3-Trichloropropane	96-18-4	ND	200
1,2,4-Trimethylbenzene	95-63-6	ND	200
1,3,5-Trimethylbenzene	108-67-8	ND	200
Vinyl chloride	75-01-4	ND	400
o-Xylene	95-47-6	ND	200
p,m-Xylene	108-38-3, 106-42-3	ND	200

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: WCC 4S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	80
Benzene	71-43-2	4.0	4.0
Bromobenzene	108-86-1	ND	4.0
Bromochloromethane	74-97-5	ND	8.0
Bromodichloromethane	75-27-4	ND	4.0
Bromoform	75-25-2	ND	4.0
Bromomethane	74-83-9	ND	8.0
2-Butanone	78-93-3	ND	80
n-Butylbenzene	104-51-8	ND	4.0
sec-Butylbenzene	135-98-8	ND	4.0
tert-Butylbenzene	98-06-6	ND	4.0
Carbon tetrachloride	56-23-5	ND	4.0
Carbon disulfide	75-15-0	ND	4.0
Chlorobenzene	108-90-7	ND	4.0
Chloroethane	75-00-3	ND	8.0
Chloroform	67-66-3	ND	4.0
Chloromethane	74-87-3	ND	8.0
2-Chlorotoluene	95-49-8	ND	4.0
4-Chlorotoluene	106-43-4	ND	4.0
Dibromochloromethane	124-48-01	ND	4.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	8.0
Dibromomethane	74-95-3	ND	4.0
1,2-Dibromoethane	106-93-4	ND	4.0
1,2-Dichlorobenzene	95-50-1	ND	4.0
1,3-Dichlorobenzene	541-73-1	ND	4.0
1,4-Dichlorobenzene	106-46-7	ND	4.0
Dichlorodifluoromethane	75-71-8	ND	4.0
1,1-Dichloroethane	75-34-3	17	4.0
1,2-Dichloroethane	107-06-2	ND	4.0
1,1-Dichloroethene	75-35-4	610	8.0
cis-1,2-Dichloroethene	156-59-2	6.0	4.0
trans-1,2-Dichloroethene	156-60-5	5.0	4.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid
Sample ID:	WCC 4S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	4.0
1,3-Dichloropropane	142-28-9	ND	4.0
2,2-Dichloropropane	594-20-7	ND	4.0
1,1-Dichloropropene	563-58-6	ND	4.0
cis-1,3-Dichloropropene	10061-01-5	ND	4.0
trans-1,3-Dichloropropene	10061-02-6	ND	4.0
Ethylbenzene	100-41-4	ND	4.0
Hexachlorobutadiene	87-68-3	ND	8.0
2-Hexanone	591-78-6	ND	40
Isopropylbenzene	98-82-8	ND	4.0
p-Isopropyltoluene	99-87-6	ND	4.0
Methylene chloride	75-09-2	ND	20
4-Methyl-2-pentanone	108-10-1	ND	40
Naphthalene	91-20-3	ND	4.0
n-Propylbenzene	103-65-1	ND	4.0
Styrene	100-42-5	ND	4.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	4.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	4.0
Tetrachloroethene	127-18-4	ND	4.0
Toluene	108-88-3	9.0	4.0
1,2,3-Trichlorobenzene	87-61-6	ND	4.0
1,2,4-Trichlorobenzene	120-82-1	ND	4.0
1,1,1-Trichloroethane	71-55-6	8.0	4.0
1,1,2-Trichloroethane	79-00-5	ND	8.0
Trichloroethene	79-01-6	700	4.0
Trichlorofluoromethane	75-69-4	ND	4.0
1,2,3-Trichloropropane	96-18-4	ND	4.0
1,2,4-Trimethylbenzene	95-63-6	ND	4.0
1,3,5-Trimethylbenzene	108-67-8	ND	4.0
Vinyl chloride	75-01-4	ND	8.0
o-Xylene	95-47-6	ND	4.0
p,m-Xylene	108-38-3, 106-42-3	ND	4.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 5S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	21	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 5S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	3.0	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	12/1/93
		Physical State:	Liquid

Sample ID: WCC 6S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	200
Benzene	71-43-2	24	10
Bromobenzene	108-86-1	ND	10
Bromochloromethane	74-97-5	ND	20
Bromodichloromethane	75-27-4	ND	10
Bromoform	75-25-2	ND	10
Bromomethane	74-83-9	ND	20
2-Butanone	78-93-3	3,100	200
n-Butylbenzene	104-51-8	ND	10
sec-Butylbenzene	135-98-8	ND	10
tert-Butylbenzene	98-06-6	ND	10
Carbon tetrachloride	56-23-5	ND	10
Carbon disulfide	75-15-0	ND	10
Chlorobenzene	108-90-7	ND	10
Chloroethane	75-00-3	ND	20
Chloroform	67-66-3	ND	10
Chloromethane	74-87-3	ND	20
2-Chlorotoluene	95-49-8	ND	10
4-Chlorotoluene	106-43-4	ND	10
Dibromochloromethane	124-48-01	ND	10
1,2-Dibromo-3-chloropropane	96-12-8	ND	20
Dibromomethane	74-95-3	ND	10
1,2-Dibromoethane	106-93-4	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
Dichlorodifluoromethane	75-71-8	ND	10
1,1-Dichloroethane	75-34-3	42	10
1,2-Dichloroethane	107-06-2	37	10
1,1-Dichloroethene	75-35-4	2,200	20
cis-1,2-Dichloroethene	156-59-2	480	10
trans-1,2-Dichloroethene	156-60-5	57	10

ND; Not Detectable
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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	12/1/93
		Physical State:	Liquid
Sample ID:	WCC 6S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	10
1,3-Dichloropropane	142-28-9	ND	10
2,2-Dichloropropane	594-20-7	ND	10
1,1-Dichloropropene	563-58-6	ND	10
cis-1,3-Dichloropropene	10061-01-5	ND	10
trans-1,3-Dichloropropene	10061-02-6	ND	10
Ethylbenzene	100-41-4	ND	10
Hexachlorobutadiene	87-68-3	ND	20
2-Hexanone	591-78-6	ND	100
Isopropylbenzene	98-82-8	ND	10
p-Isopropyltoluene	99-87-6	ND	10
Methylene chloride	75-09-2	ND	50
4-Methyl-2-pentanone	108-10-1	4,700	100
Naphthalene	91-20-3	ND	10
n-Propylbenzene	103-65-1	ND	10
Styrene	100-42-5	ND	10
1,1,1,2-Tetrachloroethane	630-20-6	ND	10
1,1,2,2-Tetrachloroethane	79-34-5	ND	10
Tetrachloroethene	127-18-4	ND	10
Toluene	108-88-3	4,900	40
1,2,3-Trichlorobenzene	87-61-6	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10
1,1,1-Trichloroethane	71-55-6	440	10
1,1,2-Trichloroethane	79-00-5	ND	20
Trichloroethene	79-01-6	670	10
Trichlorofluoromethane	75-69-4	ND	10
1,2,3-Trichloropropane	96-18-4	ND	10
1,2,4-Trimethylbenzene	95-63-6	ND	10
1,3,5-Trimethylbenzene	108-67-8	ND	10
Vinyl chloride	75-01-4	ND	20
o-Xylene	95-47-6	ND	10
p,m-Xylene	108-38-3, 106-42-3	ND	10

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/24/93
		Physical State:	Liquid

Sample ID: WCC 7S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	56	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/24/93
		Physical State:	Liquid
Sample ID:	WCC 7S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	130	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: WCC 8S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	400
Benzene	71-43-2	24	20
Bromobenzene	108-86-1	ND	20
Bromochloromethane	74-97-5	ND	40
Bromodichloromethane	75-27-4	ND	20
Bromoform	75-25-2	ND	20
Bromomethane	74-83-9	ND	40
2-Butanone	78-93-3	ND	400
n-Butylbenzene	104-51-8	ND	20
sec-Butylbenzene	135-98-8	ND	20
tert-Butylbenzene	98-06-6	ND	20
Carbon tetrachloride	56-23-5	ND	20
Carbon disulfide	75-15-0	ND	20
Chlorobenzene	108-90-7	ND	20
Chloroethane	75-00-3	ND	40
Chloroform	67-66-3	ND	20
Chloromethane	74-87-3	ND	40
2-Chlorotoluene	95-49-8	ND	20
4-Chlorotoluene	106-43-4	ND	20
Dibromochloromethane	124-48-01	ND	20
1,2-Dibromo-3-chloropropane	96-12-8	ND	40
Dibromomethane	74-95-3	ND	20
1,2-Dibromoethane	106-93-4	ND	20
1,2-Dichlorobenzene	95-50-1	ND	20
1,3-Dichlorobenzene	541-73-1	ND	20
1,4-Dichlorobenzene	106-46-7	ND	20
Dichlorodifluoromethane	75-71-8	ND	20
1,1-Dichloroethane	75-34-3	ND	20
1,2-Dichloroethane	107-06-2	ND	20
1,1-Dichloroethene	75-35-4	3,300	40
cis-1,2-Dichloroethene	156-59-2	ND	20
trans-1,2-Dichloroethene	156-60-5	50	20

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid
Sample ID:	WCC 8S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	20
1,3-Dichloropropane	142-28-9	ND	20
2,2-Dichloropropane	594-20-7	ND	20
1,1-Dichloropropene	563-58-6	ND	20
cis-1,3-Dichloropropene	10061-01-5	ND	20
trans-1,3-Dichloropropene	10061-02-6	ND	20
Ethylbenzene	100-41-4	ND	20
Hexachlorobutadiene	87-68-3	ND	40
2-Hexanone	591-78-6	ND	200
Isopropylbenzene	98-82-8	ND	20
p-Isopropyltoluene	99-87-6	ND	20
Methylene chloride	75-09-2	ND	100
4-Methyl-2-pentanone	108-10-1	ND	200
Naphthalene	91-20-3	ND	20
n-Propylbenzene	103-65-1	ND	20
Styrene	100-42-5	ND	20
1,1,1,2-Tetrachloroethane	630-20-6	ND	20
1,1,2,2-Tetrachloroethane	79-34-5	ND	20
Tetrachloroethene	127-18-4	ND	20
Toluene	108-88-3	ND	20
1,2,3-Trichlorobenzene	87-61-6	ND	20
1,2,4-Trichlorobenzene	120-82-1	ND	20
1,1,1-Trichloroethane	71-55-6	330	20
1,1,2-Trichloroethane	79-00-5	ND	40
Trichloroethene	79-01-6	2,000	20
Trichlorofluoromethane	75-69-4	ND	20
1,2,3-Trichloropropane	96-18-4	ND	20
1,2,4-Trimethylbenzene	95-63-6	ND	20
1,3,5-Trimethylbenzene	108-67-8	ND	20
Vinyl chloride	75-01-4	ND	40
o-Xylene	95-47-6	ND	20
p,m-Xylene	108-38-3, 106-42-3	ND	20

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 9S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	7.0	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	5.0	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid
Sample ID:	WCC 9S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	43	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 10S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	2.0	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	9.0	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid
Sample ID:	WCC 10S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	82	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/22/93
		Physical State:	Liquid

Sample ID: WCC 11S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	14	4.0
cis-1,2-Dichloroethene	156-59-2	3.0	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/22/93
		Physical State:	Liquid

Sample ID: WCC 11S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	100	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 12S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	9.0	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	45	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid
Sample ID:	WCC 12S-7		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	220	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: DAC P1-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	400
Benzene	71-43-2	ND	20
Bromobenzene	108-86-1	ND	20
Bromochloromethane	74-97-5	ND	40
Bromodichloromethane	75-27-4	ND	20
Bromoform	75-25-2	ND	20
Bromomethane	74-83-9	ND	40
2-Butanone	78-93-3	ND	400
n-Butylbenzene	104-51-8	ND	20
sec-Butylbenzene	135-98-8	ND	20
tert-Butylbenzene	98-06-6	ND	20
Carbon tetrachloride	56-23-5	ND	20
Carbon disulfide	75-15-0	ND	20
Chlorobenzene	108-90-7	ND	20
Chloroethane	75-00-3	ND	40
Chloroform	67-66-3	52	20
Chloromethane	74-87-3	ND	40
2-Chlorotoluene	95-49-8	ND	20
4-Chlorotoluene	106-43-4	ND	20
Dibromochloromethane	124-48-01	ND	20
1,2-Dibromo-3-chloropropane	96-12-8	ND	40
Dibromomethane	74-95-3	ND	20
1,2-Dibromoethane	106-93-4	ND	20
1,2-Dichlorobenzene	95-50-1	ND	20
1,3-Dichlorobenzene	541-73-1	ND	20
1,4-Dichlorobenzene	106-46-7	ND	20
Dichlorodifluoromethane	75-71-8	ND	20
1,1-Dichloroethane	75-34-3	ND	20
1,2-Dichloroethane	107-06-2	ND	20
1,1-Dichloroethene	75-35-4	ND	40
cis-1,2-Dichloroethene	156-59-2	81	20
trans-1,2-Dichloroethene	156-60-5	ND	20

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220	Lab P.N.:	5995
	Irvine, CA 92714	Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: DAC P1-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	20
1,3-Dichloropropane	142-28-9	ND	20
2,2-Dichloropropane	594-20-7	ND	20
1,1-Dichloropropene	563-58-6	ND	20
cis-1,3-Dichloropropene	10061-01-5	ND	20
trans-1,3-Dichloropropene	10061-02-6	ND	20
Ethylbenzene	100-41-4	ND	20
Hexachlorobutadiene	87-68-3	ND	40
2-Hexanone	591-78-6	ND	200
Isopropylbenzene	98-82-8	ND	20
p-Isopropyltoluene	99-87-6	ND	20
Methylene chloride	75-09-2	ND	100
4-Methyl-2-pentanone	108-10-1	ND	200
Naphthalene	91-20-3	ND	20
n-Propylbenzene	103-65-1	ND	20
Styrene	100-42-5	ND	20
1,1,1,2-Tetrachloroethane	630-20-6	ND	20
1,1,2,2-Tetrachloroethane	79-34-5	ND	20
Tetrachloroethene	127-18-4	ND	20
Toluene	108-88-3	ND	20
1,2,3-Trichlorobenzene	87-61-6	ND	20
1,2,4-Trichlorobenzene	120-82-1	ND	20
1,1,1-Trichloroethane	71-55-6	ND	20
1,1,2-Trichloroethane	79-00-5	ND	40
Trichloroethene	79-01-6	24,000	200
Trichlorofluoromethane	75-69-4	ND	20
1,2,3-Trichloropropane	96-18-4	ND	20
1,2,4-Trimethylbenzene	95-63-6	ND	20
1,3,5-Trimethylbenzene	108-67-8	ND	20
Vinyl chloride	75-01-4	ND	40
o-Xylene	95-47-6	ND	20
p,m-Xylene	108-38-3, 106-42-3	ND	20

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 1D-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	880	8.0
cis-1,2-Dichloroethene	156-59-2	3.0	2.0
trans-1,2-Dichloroethene	156-60-5	3.0	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

BOE-C6-0191944

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 1D-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	16	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	110	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 3D-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	610	8.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	4.0	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 3D-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	6.0	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	410	4.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	17	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

APPENDIX B

LABORATORY/FIELD QUALITY CONTROL DATA SHEETS

TERRA TECH LABS

Corporate Office
1920 E. Deere Ave., Suite 130 ▲ Santa Ana, California 92705
Tel 714 757 7022 ▲ Fax 714 757 7274

Arizona Office
3902 E. University Drive, Suite 4 ▲ Phoenix, Arizona 85034
Tel 602 437 9367 ▲ Fax 602 437 9362

LABORATORY REPORT

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Contact:	Sarah Bartling		
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93-11/19/93
Project Address:	N/A	Date Received:	11/19/93
		Date Analyzed:	11/22/93-12/1/93
		Physical State:	Liquid

Quality Assurance/Quality Control Summary

Parameter (Method)	QC Type	Percent Recovery	Duplicate Percent Recovery	Acceptable Range	Relative Percent Difference	Acceptable Range
1,1, Dichloroethene (EPA 8240/8260)	L	63	70	50-127	11	0-22
Trichloroethene (EPA 8240/8260)	L	85	96	64-137	12	0-15
Benzene (EPA 8240/8260)	L	85	95	80-121	11	0-15
Toluene (EPA 8240/8260)	L	87	97	82-118	11	0-12
Chlorobenzene (EPA 8240/8260)	L	96	106	85-119	9	0-12
1,1, Dichloroethene (EPA 8240/8260)	M	87	90	50-127	3	0-22
Trichloroethene (EPA 8240/8260)	M	97	103	64-137	6	0-15
Benzene (EPA 8240/8260)	M	89	96	80-121	7	0-15
Toluene (EPA 8240/8260)	M	91	98	82-118	7	0-12
Chlorobenzene (EPA 8240/8260)	M	92	100	85-119	9	0-12

M = Matrix Spike / Matrix Spike Duplicate

L = Laboratory Control Sample Spike / Spike Duplicate

Reviewed

Approved

The samples were received by TERRA TECH LABS, Inc. in a chilled state, intact and accompanied by the Chain-of-Custody Record.
Acceptance of samples by Terra Tech Labs, Inc. is not an indication of condition upon receipt.
Laboratory Results apply only to the sample matrix analyzed and may not apply to an apparently identical or similar sample.
The Laboratory Report is the property of the client to whom it is addressed.
The Laboratory Results are only a portion of the Laboratory Report.

BOE-C6-0191949

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/22/93
		Physical State:	Liquid
Sample ID:	FB-111993		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	ND	8.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/22/93
		Physical State:	Liquid
Sample ID:	FB-111993		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	ND	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

BOE-C6-0191951

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid
Sample ID:	DW-111993		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	14	8.0
cis-1,2-Dichloroethene	156-59-2	3.0	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/19/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: DW-111993

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	100	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/22/93
		Physical State:	Liquid
Sample ID:	FB-111893		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	ND	8.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/22/93
		Physical State:	Liquid
Sample ID:	FB-111893		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	ND	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid

Sample ID: DW-111893

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	80
Benzene	71-43-2	ND	4.0
Bromobenzene	108-86-1	ND	4.0
Bromochloromethane	74-97-5	ND	8.0
Bromodichloromethane	75-27-4	ND	4.0
Bromoform	75-25-2	ND	4.0
Bromomethane	74-83-9	ND	8.0
2-Butanone	78-93-3	ND	80
n-Butylbenzene	104-51-8	ND	4.0
sec-Butylbenzene	135-98-8	ND	4.0
tert-Butylbenzene	98-06-6	ND	4.0
Carbon tetrachloride	56-23-5	ND	4.0
Carbon disulfide	75-15-0	ND	4.0
Chlorobenzene	108-90-7	ND	4.0
Chloroethane	75-00-3	ND	8.0
Chloroform	67-66-3	ND	4.0
Chloromethane	74-87-3	ND	8.0
2-Chlorotoluene	95-49-8	ND	4.0
4-Chlorotoluene	106-43-4	ND	4.0
Dibromochloromethane	124-48-01	ND	4.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	8.0
Dibromomethane	74-95-3	ND	4.0
1,2-Dibromoethane	106-93-4	ND	4.0
1,2-Dichlorobenzene	95-50-1	ND	4.0
1,3-Dichlorobenzene	541-73-1	ND	4.0
1,4-Dichlorobenzene	106-46-7	ND	4.0
Dichlorodifluoromethane	75-71-8	ND	4.0
1,1-Dichloroethane	75-34-3	ND	4.0
1,2-Dichloroethane	107-06-2	ND	4.0
1,1-Dichloroethene	75-35-4	840	200
cis-1,2-Dichloroethene	156-59-2	ND	4.0
trans-1,2-Dichloroethene	156-60-5	4.0	4.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5995
		Client P.N.:	924010.00
Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/30/93
		Physical State:	Liquid
Sample ID:	DW-111893		

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	4.0
1,3-Dichloropropane	142-28-9	ND	4.0
2,2-Dichloropropane	594-20-7	ND	4.0
1,1-Dichloropropene	563-58-6	ND	4.0
cis-1,3-Dichloropropene	10061-01-5	ND	4.0
trans-1,3-Dichloropropene	10061-02-6	ND	4.0
Ethylbenzene	100-41-4	ND	4.0
Hexachlorobutadiene	87-68-3	ND	8.0
2-Hexanone	591-78-6	ND	40
Isopropylbenzene	98-82-8	ND	4.0
p-Isopropyltoluene	99-87-6	ND	4.0
Methylene chloride	75-09-2	ND	20
4-Methyl-2-pentanone	108-10-1	ND	40
Naphthalene	91-20-3	ND	4.0
n-Propylbenzene	103-65-1	ND	4.0
Styrene	100-42-5	ND	4.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	4.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	4.0
Tetrachloroethene	127-18-4	ND	4.0
Toluene	108-88-3	8.0	4.0
1,2,3-Trichlorobenzene	87-61-6	ND	4.0
1,2,4-Trichlorobenzene	120-82-1	ND	4.0
1,1,1-Trichloroethane	71-55-6	640	4.0
1,1,2-Trichloroethane	79-00-5	ND	8.0
Trichloroethene	79-01-6	23	4.0
Trichlorofluoromethane	75-69-4	ND	4.0
1,2,3-Trichloropropane	96-18-4	ND	4.0
1,2,4-Trimethylbenzene	95-63-6	ND	4.0
1,3,5-Trimethylbenzene	108-67-8	ND	4.0
Vinyl chloride	75-01-4	ND	8.0
o-Xylene	95-47-6	ND	4.0
p,m-Xylene	108-38-3, 106-42-3	ND	4.0

ND; Not Detectable
The Laboratory Results are only a portion of the Laboratory Report.

APPENDIX C

GROUNDWATER PURGE AND SAMPLE FORMS

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft WELL NUMBER: DAC-P1

PROJECT NUMBER: 924010.00 PERSONNEL: Shane

STATIC WATER LEVEL (FT): 69.20 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electronic Probe PURGE METHOD: Redi-Flow thru stainless pipe

TIME START PURGE: 1609 PURGE DEPTH (FT) 80'

TIME END PURGE: 1633

TIME SAMPLED: 1642

COMMENTS:

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)
	90.00		69.20		20.80		0.16	0.64	1.44		13

TIME	1613	1616	1620	1625	1628	1631	
VOLUME PURGED (GAL)	10	20	25	30	35	45	
PURGE RATE (GPM)							
TEMPERATURE ~~(°C)~~ °F	72.9	72.8	72.0	72.3	72.3	72.3	
pH	7.56	7.39	7.46	7.45	7.55	7.48	
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	x 1000 4.37	4.29	4.14	4.23	4.24	4.24	
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)	80	80	80	80	80	80	
DEPTH TO WATER DURING PURGE (FT)	~~80~~	~~80~~					
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft

WELL NUMBER: WCC15-

PROJECT NUMBER: 924010.00

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 68.70

MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: Electronic Probe

PURGE METHOD: Stainless point source bailer

TIME START PURGE: 1416

PURGE DEPTH (FT) ~~78~~ 68-83

TIME END PURGE: ~~1540~~ 1530

TIME SAMPLED: 1540

COMMENTS:

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)
	83.70		68.70		15.0		0.16	0.64	1.44		3.0

TIME	1419	1430	1500	1520	~~1540~~ 1530		
VOLUME PURGED (GAL)	1.0	2.0	3.0	5.0	10		
PURGE RATE (GPM)							
TEMPERATURE (°C)	78.0	73.6	70.8	70.6	70.1		
pH	7.46	7.50	7.56	7.56	7.55		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	4.34	4.13	4.08	3.99	4.03		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	yellow brown	Yellow brown	Yellow brown	Yellow brown	Yellow brown		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	80.0	68-83	68-83	68-83	68-83		
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft Co. WELL NUMBER: ~~924010.00~~ WCC25

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 68.46 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electronic Probe PURGE METHOD: Redi Flow Hrv Stainless Pipe

TIME START PURGE: 910 PURGE DEPTH (FT) 78'

TIME END PURGE: 923

TIME SAMPLED: 935

COMMENTS:

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)
	~~88.80~~		~~68~~.46		20.34		0.16	0.64	1.44		13

TIME	914	916	917	919	920	922	923
VOLUME PURGED (GAL)	10	20	24	35	40	450	55
PURGE RATE (GPM)	5	5	5	5	5	5	5
TEMPERATURE ~~(°C)~~ °F	69.8	69.9	72.6	72.5	72.7	72.7	72.5
pH	7.21	7.36	7.48	7.44	7.48	7.49	7.49
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	X1000 2.75	X1000 2.56 ~~6.17~~	X1000 2.54	2.52	2.49	2.47	2.48
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Slight yell.	v. slight yell.	v. light yellow	v. light yellow	v. light yellow	v. light yellow
ODOR	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'	78'	78'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft WELL NUMBER: VCC3S

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 69.20 MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: Electronic Probe PURGE METHOD: Redi Flow thru stainless pipe

TIME START PURGE: 1313 PURGE DEPTH (FT) 78'

TIME END PURGE: 1324

TIME SAMPLED: 1340

COMMENTS:

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)
	88.10		69.20		18.90		0.16	0.64	1.44		13

TIME	1315	1317	1319	1320	1321	1322	1324
VOLUME PURGED (GAL)	10	20	30	35 ~~40~~	40	45	55
PURGE RATE (GPM)	5	5	5	5	5	5	5
TEMPERATURE (°C)	75.0	74.4	73.9	73.0 ~~72~~	73.3	73.2	73.3
pH	6.90	6.61	6.82	6.83	6.75	6.73	6.73
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	6.82	6.77	6.58	6.53	6.51 ~~6.75~~	6.42	6.41
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	clear	Clear	Clear
ODOR	Strong aromatic	strong sour odor	»	→	→	→	→
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'	78'	78'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

BOE-C6-0191962

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft Co. WELL NUMBER: WCC 45

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 67.85 MEASURING POINT DESCRIPTION: Top of casing (North

WATER LEVEL MEASUREMENT METHOD: Electronic Probe PURGE METHOD: Rali Flow thru stainless pipe

TIME START PURGE: 1109 PURGE DEPTH (FT) 78'

TIME END PURGE: ~~1022~~ 1122

TIME SAMPLED: 1130

COMMENTS:

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)
	89.76		67.85		21.85		0.16	0.64	1.44		14

TIME	1112	1114	1116	1117	1118	1119	1021
VOLUME PURGED (GAL)	10	20	30	35	40	45	55
PURGE RATE (GPM)	5	5	5	5	5	5	5
TEMPERATURE (°C)	78.9	77.9	77.4	76.7	76.9	76.8	76.8
pH	8.0	7.68	7.60	7.45	7.40	7.42	7.43
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	4.08	4.02	3.79	3.65	3.59	3.54	3.50
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	Clear
ODOR	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'	78'	78'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/18/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft WELL NUMBER: WWC 50 S

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 66.35 MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: Electronic sounder PURGE METHOD: Rali-Flow thru stainless pipe

TIME START PURGE: 1436 PURGE DEPTH (FT) 78'

TIME END PURGE: 1447

TIME SAMPLED: 1504

COMMENTS:

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)
	89.35		66.35		23		0.16	0.64	1.44		14.72

TIME	1440	1441	1443	1445	1447 ~~1435~~		
VOLUME PURGED (GAL)	20	25	35	45	55		
PURGE RATE (GPM)	5.0	5.0	5.0	5.0	5.0		
TEMPERATURE (°C)	73.6	73.5	73.3	72.6	72.4		
pH	7.0	7.0	7.0	7.0	7.0		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2.13	2.13	2.13	2.13	2.13		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	clear	clear	clear	clear	clear		
ODOR							
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'		
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft

WELL NUMBER: WCC65

PROJECT NUMBER: 924010.00

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 69.27

MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD:

PURGE METHOD: Redi Flow thru stainless pipe

TIME START PURGE: 1135

PURGE DEPTH (FT) 78'

TIME END PURGE: 1147

TIME SAMPLED: 1206

COMMENTS:

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)
	89.20		69.27		19.93		0.16	0.64	1.44		13

TIME	1138	1140	1142	1143	1144	1145	1146
VOLUME PURGED (GAL)	10	20	30	35	40	45	50
PURGE RATE (GPM)	5	5	5	5	5	5	5
TEMPERATURE (°C)	77.9	75.8	74.8	74.0	74.0	74.1	74.1
pH	7.74	7.29	7.21	7.15	7.15	7.13	7.13
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	X1000 3.72	→ 3.58	3.55	3.51	3.48	3.54	3.53
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	Clear
ODOR	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	78	78'	78'	78'	78'	78'	78'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft WELL NUMBER: WCC75

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 66.89 MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: Electronic Probe PURGE METHOD: Redi Flow thru Stainless Pipe

TIME START PURGE: 1034 PURGE DEPTH (FT) 78'

TIME END PURGE: 1045

TIME SAMPLED: 1050

COMMENTS:

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)
	89.90		66.89		23.01		0.16	0.64	1.44		15

TIME	1036	1038	1040	1041	1042	1044	
VOLUME PURGED (GAL)	10	20	30	35	40	50	
PURGE RATE (GPM)	5	5	5	5	5	5	
TEMPERATURE (°C)	72.8	74.5	74.6	74.7	74.2	74.5	
pH	7.54	7.56	7.56	7.49 ~~7.46~~	7.49 ~~7.96~~	7.5	
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2.86	2.80	2.78	2.75	2.75	2.76	
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)	78'	78'	78'	78'	78'	78'	
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft Co.

WELL NUMBER: WCC 8S

PROJECT NUMBER: 924010.00

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 68.45

MEASURING POINT DESCRIPTION: Top of Casing (North)

WATER LEVEL MEASUREMENT METHOD: Electronic probe

PURGE METHOD: Redi Flow thru Stainless pipe

TIME START PURGE: 1227

PURGE DEPTH (FT) 78'

TIME END PURGE: 1246

TIME SAMPLED: 1300

COMMENTS:

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)
	89.15		68.45		20.70		0.16	0.64	1.44		13

TIME	1230	1232	1235	1236	1237	1238	239
VOLUME PURGED (GAL)	~~5~~ 10	20	35	40	45	50	55
PURGE RATE (GPM)	~~1~~ 5	5	5	5	5	5	5
TEMPERATURE ~~(°C)~~ °F	77.0	76.8	77.5	77.2	76.6	76.3	76.2 ~~75.7~~
pH	7.17	7.13	7.17	7.13	7.05 ~~6.99~~	7.11	7.11
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	5.45	5.38	5.07	4.97	4.83	4.67	4.59
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	Clear
ODOR	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78	78'	78'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft Co. WELL NUMBER: WCC85

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 68.45 MEASURING POINT DESCRIPTION: Top of casing (North

WATER LEVEL MEASUREMENT METHOD: PURGE METHOD: Redi Flow thru stainless pipe

TIME START PURGE: 1227 PURGE DEPTH (FT) 78'

TIME END PURGE: 1246

TIME SAMPLED: 1300

COMMENTS:

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)
	89.15		68.45		20.70		0.16	0.64	1.44		13

TIME	1242	1243	1244	1245			
VOLUME PURGED (GAL)	5	5	5	5			
PURGE RATE (GPM)	65	70	75	80			
TEMPERATURE (°C)	75.3 ~~75.0~~	75.2	75.3	75.6			
pH	7.21	7.18	7.13	7.14			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	4.40	4.32	4.32	4.32			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	78	78'	78	78			
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/18/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft Company WELL NUMBER: WCC9S

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshine

STATIC WATER LEVEL (FT): 65.43 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electronic probe PURGE METHOD: 2" grundfos

TIME START PURGE: 1528 PURGE DEPTH (FT) 78'

TIME END PURGE: 1540

TIME SAMPLED:

COMMENTS:

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)
	89.20		65.43		23.00		0.16	0.64	1.44		15

TIME	1530	1531	1533	1534	1536	1539	
VOLUME PURGED (GAL)	10	15	25	30	40	55	
PURGE RATE (GPM)	5	5	5	5	5	5	
TEMPERATURE (°C)	67.0	67.0	67.0 ~~66.9~~	67.0	66.6	66.7	
pH	6.9	7.2	7.2	7.18	7.18	7.2	
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2.12	2.12	2.12	2.12	2.12	2.11	
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)	78'	78'	78'	78'	78'	78'	
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/92 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft WELL NUMBER: WCC 10S

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshine

STATIC WATER LEVEL (FT): 68.66 MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: PURGE METHOD: Redi-Flow thru Stainless Pipe

TIME START PURGE: 829 PURGE DEPTH (FT) 78'

TIME END PURGE: 840

TIME SAMPLED: 850

COMMENTS:

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)
	89.60		68.66		21		0.16	0.64	1.44		13.44

TIME	830	832	834	835	836	838	839
VOLUME PURGED (GAL)	10	20	30	35	40	50	55
PURGE RATE (GPM)	5	5	5	5	5	5	
TEMPERATURE ~~(°C)~~ °F	67.5	61.5	68.5	70.7	71.5	71.8	71.7
pH	7.33	7.85	7.29	7.30	7.25	7.18	7.18
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	x100 19.94	x100 4.35	x100 19.55	x1000 2.0	x1000 2.02	x1000 2.07	2.01
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	clear	clear	clear	clear	clear	clear	clear
ODOR	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78	78	78	78'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft Co. WELL NUMBER: VCC11S

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshine

STATIC WATER LEVEL (FT): 67.33 MEASURING POINT DESCRIPTION: Top of casing (North)

WATER LEVEL MEASUREMENT METHOD: Electronic Probe PURGE METHOD: Redi Flow thru Stainless Steel

TIME START PURGE: 725 PURGE DEPTH (FT) 78'

TIME END PURGE: 736

TIME SAMPLED: 753

COMMENTS:

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)
	89.30		67.33		21.97		0.16	0.64	1.44		14

TIME	727	729	732	734	735		
VOLUME PURGED (GAL)	10	20	35	45	50		
PURGE RATE (GPM)	5	5	5	5	5		
TEMPERATURE ~~(°C)~~ °F	65.8	67.2	66.1	67.2	67.4		
pH	6.59	7.04	7.09	7.19	7.19		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	x1000 2.94	x1000 3.14	x1000 3.03	3.03	3.04		
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)	78'	78'	78'	78'	78'		
DEPTH TO WATER DURING PURGE (FT)	~~78'~~						
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/19/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft WELL NUMBER: WCC12S

PROJECT NUMBER: 924010.00 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.50 MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: Electronic Probe PURGE METHOD: Rali Flow thru Stainless Pipe

TIME START PURGE: 953 PURGE DEPTH (FT) 78'

TIME END PURGE: 1005

TIME SAMPLED: 1019

COMMENTS:

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)
	90.25		65.50		24.75		0.16	0.64	1.44		16

TIME	955	957	959	1002	1003	1004	1005
VOLUME PURGED (GAL)	10	20	30	40	45	50	55
PURGE RATE (GPM)	5	5	5	5	5	5	5
TEMPERATURE (°C)	72.4	73.8	73.0	72.8	73.3	73.3	73.5
pH	7.54	7.57	7.56	7.54	7.54	7.51	7.51
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2.55	2.48	2.46	2.43	3.05	3.01	3.01
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	Clear
ODOR	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'	78'	78'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/18/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft Company
WELL NUMBER: WCC10
PROJECT NUMBER: 924010.00
PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 68.79
MEASURING POINT DESCRIPTION: Top of casing
WATER LEVEL MEASUREMENT METHOD:
PURGE METHOD: 1 3/4" Rel. Flow thru S.S.
TIME START PURGE: 1622
PURGE DEPTH (FT) 104'
TIME END PURGE: 1647
TIME SAMPLED:
COMMENTS:

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)
	135.50		68.79		66.71		0.16	0.64	1.44		43

TIME	1626	1630	1633	1635	1638	1641	1646
VOLUME PURGED (GAL)	20	40	65	75	95	110	140
PURGE RATE (GPM)	8 gpm	8 gpm	8 gpm	5	6	5	6
TEMPERATURE ~~(°C)~~ °F	68.2	68.1	68.0	69.2	69.1	68.9	69.0
pH	7.45	7.45	7.46	7.50	7.51	7.46	7.49
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	15.73 x100 ~~7.09~~	15.67 x100	15.16 x100	15.08 x100	15.15 x100	15.04 x100	14.72 x100
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	clear	clear	clear	clear	clear	clear	clear
ODOR	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	104'	104'	104'	104'	104'	104'	104'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 11/18/93 **Kennedy/Jenks Consultants**

PROJECT NAME: Douglas Aircraft Company WELL NUMBER: WCC-30

PROJECT NUMBER: [redacted]4010.00 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 69.36 MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: Electronic sound PURGE METHOD: Rediflow thru stainless pipe

TIME START PURGE: 1320 PURGE DEPTH (FT): 78.68

TIME END PURGE: 1330

TIME SAMPLED: 1413

COMMENTS:

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)
	88.00	-	69.36	=	18.64	X	0.16	0.64	1.44	=	2.40

TIME	1320	1322	1324	1325	1327	1328	1330
VOLUME PURGED (GAL)	20	30	35	40	50	55	65
PURGE RATE (GPM)	8gpm	8	8	8	8	8	8
TEMPERATURE (°C) F	81.9	79.8	77.9	77.5	76.7	79.8	79.5
pH	6.91	6.97	7.11	7.14	7.20	6.61	6.7
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected)		2.11	2.11	2.11	2.11	2.0	2.12
DISSOLVED OXYGEN							
eH(MV)Pt-AgCl							
TURBIDITY/COLOR	clear	slight yel.	clear	clear	clear	clear	clear
ODOR	no	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	78	78	78	78.68	78	78	78
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							NO

F-431 (5-89)

BOE-C6-0191974

APPENDIX D

CHAIN-OF-CUSTODY RECORDS

5 of 5 1 of 3

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

PACIFIC ENVIRONMENTAL LABORATORY
674 HARRISON STREET
SAN FRANCISCO, CA 94107
415-243-2580 FAX 415-243-9390

Please call Sarah Bartling

POSSIBLE HAZARDS: VOCs

Date 11/18/93 Report To Sarah Bartling

Source of Samples Douglas Aircraft Company Company Kennedy / Jenks

Sampler Name Shane Scrimshine Address 17310 Red Hill #220

Company Kennedy / Jenks Irvine CA 92714

Phone 714

Project No. 924010.00 Phone (714) 2611577

Send unused sample to:

Lab Destination: TerraTech Lab

Carrier/Way Bill: delivered

LAB ID No.	Client ID No.	COLLECTION Date	COLLECTION Time	Type	Depth	Composite	Note 4	Turn-around time	Note 6 Lab Disposal	EPA 8240/8260	EPA 8011						COMMENTS/CONDITIONS: (Container type, container number, etc.)
IC42176	WCC30-7	11/18	1413	W	78'	SCS	Cool HCL	Normal		X							4-40mL vials
IC42177	WCC55-7	11/18	1504	W	78'		Cool HCL			X							" "
IC42178	WCC95-7	11/18	1555	W	78'		Cool HCL			X							" "
IC42179	WCC10-7	11/18	1707	W	104'		Cool HCL			X							" "
IC42180	DW-111893	11/18	—	W	—		Cool HCL	Normal		X							4-40mL vials
IC42181	FB-111893	11/18	1614	W	—		Cool HCL				X						1-40mL vial * FB 111893 taken after WCC95 + Before WCC10

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.
6) Write address where unused sample should be sent or "X" Lab Disposal box if Lab should bill client for sample disposal.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time
Shane Scrimshine	[signature]	K/J	11/19	1830

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
Patty Mata	Patty Mata	TerraTech Lab	11/19/93	18:30

Logged in at PEL by:

BOE-C6-0191976

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

PACIFIC ENVIRONMENTAL LABORATORY
674 HARRISON STREET
SAN FRANCISCO, CA 94107
415-243-2580 FAX 415-243-9390

Please call Sarah Bartling

POSSIBLE HAZARDS: VOC's

Date ~~11/11/93~~ 11/19/93
Source of Samples Douglas Aircraft
Sampler Name Shane Scrimshire
Company Kennedy / Jenks
Phone (714) 261-1577
Project No. 924010.00

Report To Sarah Bartling
Company Kennedy / Jenks
Address 17310 Red Hill #220
Irvine CA 92714
Phone (714) 261 1577

Send unused sample to:

Lab Destination:

Carrier/Way Bill:

LAB ID No.	Client ID No.	COLLECTION Date	COLLECTION Time	Type	Depth	Composite	Note 4	Turn-around time	Note 6 Lab Disposal	EPA 8240/8260	EPA 624							COMMENTS/CONDITIONS: (Container type, container number, etc.)
IC42182	WCG115-7	11/19	753	W	78'		HCl			X								4-40mL vials
IC42183	WCG105-7	11/19	850	W	78'		HCl			X								" "
IC42184	WCC25-7	11/19	935	W	78'		HCl			X								" "
IC42185	WCC125-7	11/19	1019	W	78'		HCl			X								" "
IC42186	DW-111993	11/19	—	W	—		HCl			X								" "
IC42187	FB-111993	11/19	1410	W	—		HCl				X							1-40 mL VOA

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.
6) Write address where unused sample should be sent or "X" Lab Disposal box if Lab should bill client for sample disposal.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time
Shane Scrimshire	[signature]	K/J	11/19	1830

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
Patty Mata	Patty Mata	Tera Tech	11/19/93	18:30

Logged in at PEL by:

5775' surf 5

KENNEDY/JENKS CONSULTANTS

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

- ☐ 200 New Stine Rd., #115, Bakersfield, CA 93309
- ☐ 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
- ☐ 5190 Neil Road, #300, Reno, NV 89502
- ☐ 3336 Bradshew Rd., #140, Sacramento, CA 95827
- ☐ 303 Second St., San Francisco, CA 94107
- ☐ 1000 Hill Rd., #200, Ventura, CA 93003

POSSIBLE HAZARDS: VOCS

Date 11/19/93 Report To Sarah Bartling

Source of Samples Douglas Aircraft Company Kennedy/Jenks

Sampler Name Shane Scrimshine Address 17310 Red Hill #220

Phone 714 261 1577 Irvine CA. 92714

Project No. 924010.00 Phone (714) 261 1577

Lab Destination

Address

Phone

Carrier/Way Bill No.

(1) Lab ID No.	(1) Client ID No.	Collection Date	Collection Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	(5) EPA 8240-8260	(5) EPA 624							Comment/Conditions (Container type, container number, etc.)
	WCC7S-7	11/19	1050	W	78'		HCl		X								4-40mL vials
	WCC4S-7	11/19	1130	W	78'		HCl		X								" "
	WCC6S-7	11/19	1206	W	78'		HCl		X								" "
	WCC8S-7	11/19	1300	W	78'		HCL		X								" "
	WCC1S-7	11/19	1540	W	55-80		HCL		X								" "
	WCC3S-7	11/19	1340	W	78'		HCl		X								" "
	DACP1-7	11/19	1642	W	78'		HCl		X								" "

(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 Scrimshine	[signature]	K/J	11/22	900

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
Patricia Martin	[signature]	Terra Tech Labs	11/22	9:00

BOE-C6-0191978

\MISC\CUSTODY2.FRM

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