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GROUNDWATER MONITORING DATA SUMMARY REPORT THIRD QUARTER, 1993

DOUGLAS AIRCRAFT COMPANY C-6 FACILITY
TORRANCE, CALIFORNIA

K/J 924010.01

SCANNED

Kennedy/Jenks Consultants

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OCTOBER 1993

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TORRANCE, CALIFORNIA
(K/J 924010.01)

TABLE OF CONTENTS

SECTION	TITLE	PAGE
1.0	INTRODUCTION	1
2.0	QUARTERLY MONITORING PROGRAM	1
	2.1 Groundwater Sampling Procedures	1
	2.2 Field QA/QC Procedures	2
3.0	EVALUATION OF ANALYTICAL RESULTS	2
	3.1 Groundwater Gradient	2
	3.2 Analytical Data	3

LIST OF TABLES

TABLE	TITLE
1	Observation Well Construction Details
2	Cumulative Summary of Observation Well Data (EPA Method 8240/8260)
3	Cumulative Summary of Observation Well Data (EPA Method 8240/8260), Minor Constituents
4	Summary of Groundwater Elevation Data

TABLE OF CONTENTS (continued)

LIST OF FIGURES

FIGURE	TITLE
1	Site Vicinity Map
2	Groundwater Observation Well Locations
3	Observation Well Detected Chemical Concentrations, August 1993 Sampling Event
4	Estimated Groundwater Elevation Contour Map, Shallow Zone, August 1993 Sampling Event

APPENDICES

APPENDIX	TITLE
A	Laboratory Data Sheets
B	Laboratory/Field Quality Control Data Sheets
C	Groundwater Purge and Sample Forms
D	Chain-of-Custody Records

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 24 and 25 August 1993, Third Quarter 1993.

2.0 QUARTERLY MONITORING PROGRAM

Third Quarter 1993 groundwater sampling was performed in accordance with standard sampling procedures. Static water level depths were measured on 24 August 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 and chemically analyzed for volatile organic compounds (VOCs) by EPA Method 8240/8260 for the Third 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 summarizes the results of chemical analysis of groundwater samples and duplicates for major and minor constituents at the C-6 facility, respectively. Table 4 summarizes available measured groundwater elevations to date. 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

One duplicate groundwater sample was collected for this sampling round on 25 August 1993 for quality control purposes. The duplicate was collected in three HCL-preserved vials and identified by inserting the collection date after "DW-" (DW-082593). No further sample identification was provided to the laboratory. The duplicate sample was taken from observation well WCC-3S.

To verify that the groundwater samples were not exposed to analytes during storage and transportation to the analytical laboratory, a trip blank was chemically analyzed for VOCs. One trip blank was placed in the ice-cooled storage/transportation chest when the first groundwater sample was collected and was transported to the laboratory with the samples. The trip blank was identified following a similar protocol to that used for duplicate water samples. For example, a trip blank prepared on 24 August 1993 was identified as "TB-082493".

Following decontamination of the bailer by steam-cleaning, and prior to collection of groundwater samples from the successive well, an equipment rinsate blank was prepared for laboratory analysis. The equipment rinsate blank was prepared by pouring Reagent Grade II water, prepared by the analytical laboratory, through the bailer and discharge spigot and collecting the rinsate in one 40-ml vial preserved with HCL. The blank was identified following a similar protocol to that used for duplicate water samples and is identified as "FB-082593". The wells sampled before and after rinsate blank preparation were recorded. The equipment rinsate blank was collected after sampling well WCC-8S and prior to sampling well WCC-1S.

All groundwater duplicate, trip blank 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 24 August 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 more than 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 0.5 feet over the DAC C-6 facility since the June 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 18.5 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 sample is indicated by an asterisk and is presented with the "original" groundwater sample. 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 27,000 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) chemical data showed that measured concentrations were consistent with their historical ranges suggesting questionable First Quarter results. The August 1993 data (Third Quarter) are also consistent with the June and previous historical data.

- 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 indicate measured concentrations of MIBK and Toluene consistent with the Second Quarter measured concentrations. Continued quarterly data will allow an assessment of the accuracy of this apparent trend.

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

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

Kennedy/Jenks Consultants

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

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

Kennedy/Jenks Consultants

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

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
THIRD QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

		COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results are reported in µg/L (ppb)										
WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Benzene	Toluene	MEK
WCC-1S	03/27/87	2,800		300	4,600	-[1]	-	-	-	85	-	-
	*[2]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
WCC-2S	11/02/87	5	-	5	14	-	-	-	-	-	6	-
	11/12/87	2	-	1	4	-	-	-	-	-	1	-
	07/13/89	<1	<1	<1	5	<5	<1	<1	<1	<1	<1	-
	08/23/89	<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
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	-
	07/13/89	18,000	<500	56,000	7,700	<3,000	<500	660	<500	<500	32,000	-
	08/23/89	56,000	<1,000	78,000	6,000	<5,000	<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	<5,000	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	44000/45000	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	<2,0001
	*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

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K/J 924010.01

		COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results are reported in µg/L (ppb)										
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		-	-	-	-	-	-
	07/13/89	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
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
WCC-6S	10/06/89	210	4	130	140	<5	12	7	<1	<1	<1	-
	11/19/91	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
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

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TORRANCE, CALIFORNIA
K/J 924010.01

		COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results are reported in µg/L (ppb)										
WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Benzene	Toluene	MEK
WCC-8S	07/13/89	430	<5	160	240	<30	7	9	<5	<5	<5	-
	08/23/89	820	<5	130	430	<30	7	<5	<5	<5	<5	-
	11/15/91	2,600	-	400	3,000	-	40	40	25	-	120	-
	*06/17/92	2,200/2,300	<25/<50	180/180	2,400/2,600	<50/<100	<25/<50	<25/<50	<25/<50	<25/<50	<25/<50	<50/<100
	09/23/92	2,800	<20	200	3,100	<100	<20	20	20	<20	<20	<100
	12/08/92	2,000	<20	100	2,500	<100	20	30	20	20	<20	<100
	03/17/93	1,800	11	180	1,500	<5	15	26	10	15	<2	<10
	06/08/93	3,000	<20	300	2,000	<200	<20	40	<20	<20	<20	<400
	08/25/93	3,100	<20	330	2,200	<200	<20	45	<20	<20	<20	<400
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
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
	12/08/92	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
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

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
THIRD QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

		COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results are reported in µg/L (ppb)										
WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Benzene	Toluene	MEK
WCC-12S	11/18/91	300	-	17	900	-	-	-	-	-	-	-
	*06/16/92	250/260	<5/5	<5/<5	660/710	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10
	09/22/92	130	7	1	500	<5	3	<1	3	<1	<1	<5
	12/08/92	160	<5	<5	550	<30	5	<5	<5	<5	<5	<30
	03/17/93	100	7	<2	410	<5	4	8	3	<2	<2	<10
	06/07/93	130	2	<2	370	<20	5	<2	<2	<2	<2	<40
	08/25/93	100	<4	<4	390	<40	<4	<4	<4	<4	9	<80
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
	*09/23/92	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	29000	<3,000	<500	<500	<500	<500	<500	<3,000
	03/18/93	21	<2	44	21,000	7	68	2	44	5	260	<10
	06/08/93	<200	<100	<100	28,000	<1,000	<100	<100	<100	<100	130	<2,000
	08/25/93	<400	<200	<200	27,000	<2,000	<200	<200	<200	<200	300	<4,000
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
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

Notes:
1 -Not Detected (Detection limit not specified)
2 *Duplicate sample also analyzed

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
THIRD QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

			COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results are reported in µg/L (ppb)								
WELL I.D.	SAMPLE DATE	Acetone[1]	Total Xylenes	Freon-TF[1]	Methlyene[1] Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-1S	03/27/87	-[3]	-	-	-	-	-	-	-	-	-
	*[2]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	<40	<20	<20	<20	<20
	08/25/93	<400	<20	<20	<40	<20	<40	<20	<20	<20	<20
WCC-2S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	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
WCC-3S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/14/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<30,000	-	-	-	-	-	-	-	-	-
	09/23/92	<3,000	<500	<500	900	<500	<500	<500	<500	<500	<500
	12/09/92	<3,000	<500	<500	<500	<500	<500	<500	<500	<500	<500
	*03/18/93	<50/<50	120/110	<25/<25	<50/<50	<25/<25	55/60	<10/<10	<25/<25	<10/<10	100/95
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	*08/25/93	<8,000/<200	<400/154	<400/<10	<800/<50	<400/<10	<800/52	<400/<10	<400/<10	<400/21	<400/86

TABLE 3
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GROUNDWATER MONITORING DATA SUMMARY REPORT
THIRD QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

			COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results are reported in µg/L (ppb)								
WELL I.D.	SAMPLE DATE	Acetone[1]	Total Xylenes	Freon-TF[1]	Methlyene[1] Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-4S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	07/13/89	-	-	-	-	-	-	-	-	-	-
	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
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
WCC-6S	10/06/89	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	-	-	-	-	-	-	-
	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/<100
	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
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

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THIRD QUARTER 1993
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TORRANCE, CALIFORNIA
K/J 924010.01

			COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results are reported in µg/L (ppb)								
WELL I.D.	SAMPLE DATE	Acetone[1]	Total Xylenes	Freon-TF[1]	Methlyene[1] Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-8S	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/15/91	-	-	-	-	-	-	-	-	-	-
	*06/17/92	<150/<300	-	-	-	-	-	-	-	-	-
	09/23/92	<100	<20	<20	40	<20	<20	<20	<20	<20	<20
	12/08/92	<100	<20	<20	30	<20	<20	<20	<20	<20	<20
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/08/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	08/25/93	<400	<20	<20	<40	<20	<40	<20	<20	<20	<20
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
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
	12/08/92	<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
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

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
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THIRD QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

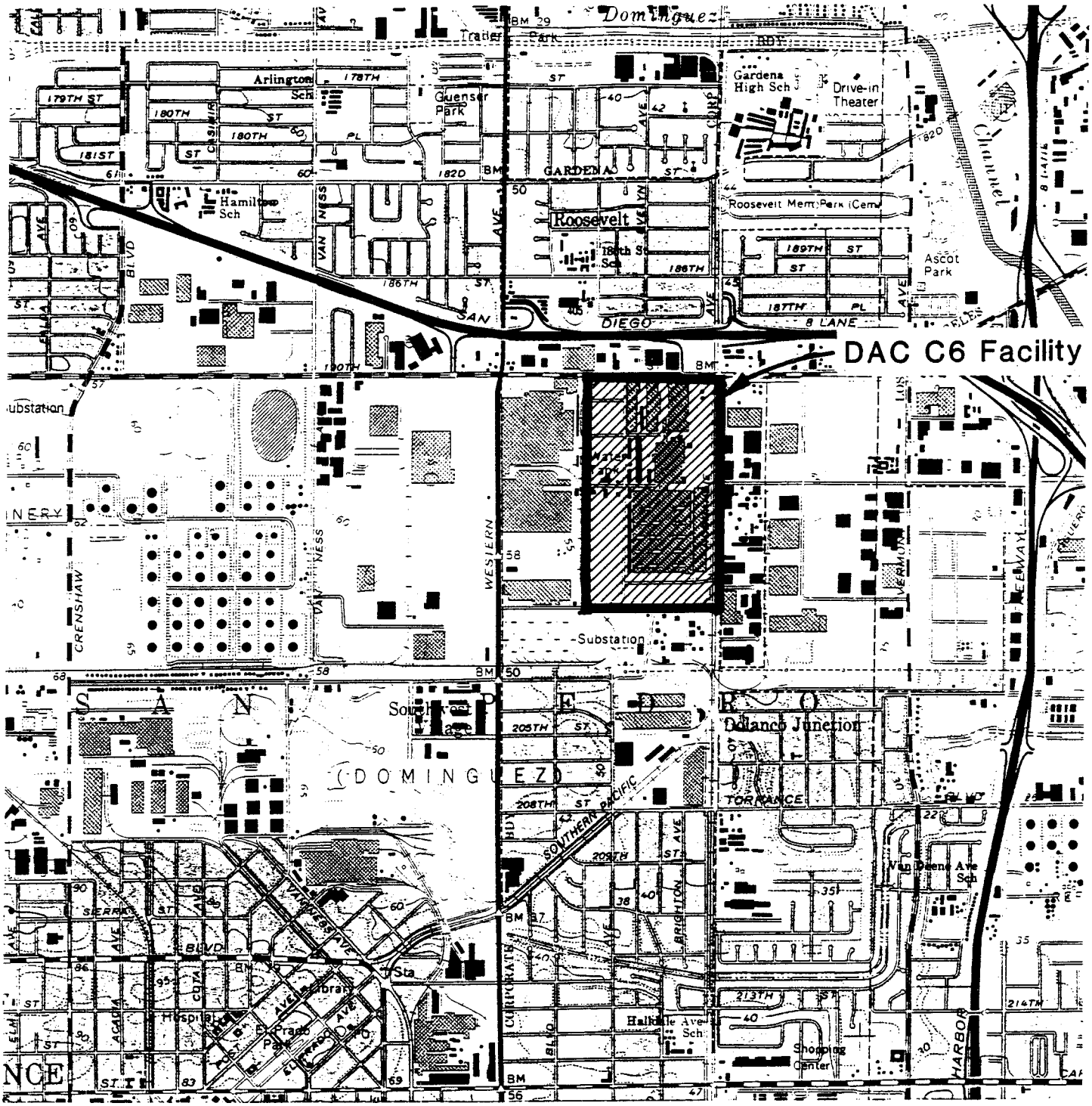
			COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results are reported in µg/L (ppb)								
WELL I.D.	SAMPLE DATE	Acetone[1]	Total Xylenes	Freon-TF[1]	Methlyene[1] Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-12S	11/18/91	-	-	-	-	-	-	-	-	-	-
	*06/16/92	<10/<10	-	-	-	-	-	-	-	-	-
	09/22/92	<5	<1	4	7	<1	<1	<1	<1	<1	<1
	12/08/92	<30	<5	<5	20	<5	<5	<5	<5	<5	<5
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/25/93	<80	<4	<4	<8	<4	<8	<4	<4	<4	<4
DAC-P1	10/09/89	<1,000	-	-	-	-	-	-	-	-	-
	06/17/92	<30	-	-	-	-	-	-	-	-	-
	*09/23/92	<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	2000	<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
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
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

Notes:
1. Potential Laboratory Contaminant
2. Duplicate sample also analyzed
3. Not Detected (Detection Limit not specified)

TABLE 4
SUMMARY OF GROUNDWATER ELEVATION DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
THIRD QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

Kennedy/Jenks Consultants

Observation Well	Reference Point[1] Elevation (*Feet Above MSL)	Water Level Elevation (*Feet Above Mean Sea Level)							
		11/13/87[2]	10/18/89[3]	06/15/92	09/21/92	01/05/93	04/09/93	06/07/93	08/24/93
WCC-1S	50.70	-21.63	-19.48	-19.20	-19.42	-19.34	-18.79	-18.75	-18.25
WCC-2S	50.59	-19.72	-19.06	-19.15	-19.41	-19.51	-18.64	-18.63	-18.15
WCC-3S	51.19	-21.56	-19.42	-19.24	-19.52	-19.73	-18.83	-18.82	-18.36
WCC-4S	49.69	-21.77	-19.59	-19.22	-19.49	-19.34	-18.86	-18.78	-18.37
WCC-5S	48.22	NA[4]	-19.70	-19.13	-19.42	-19.32	-18.83	-18.78	-18.38
WCC-6S	50.95	NA	-19.70	-19.40	-19.64	-19.50	-19.03	-18.97	-18.55
WCC-7S	48.29	NA	-20.07	-19.63	-19.93	-19.76	-19.30	-19.23	-18.83
WCC-8S	50.56	NA	-19.35	-19.11	-19.34	-19.19	-18.69	-18.61	-18.19
WCC-9S	47.01	NA	-20.07	-19.44	-19.66	-19.56	-19.09	-19.09	-18.69
WCC-10S	51.12	NA	-18.42	-18.94	-19.33	-19.10	-18.42	-18.33	-17.83
WCC-11S	49.97	NA	NA	-17.62	-18.81	-18.69	-18.13	-18.04	-17.60
WCC-12S	46.92	NA	NA	-19.60	-19.90	-19.74	-19.26	-19.20	-18.78
DAC-P1	52.44	NA	NA	-17.76	-17.88	-18.02	-17.46	-17.38	-17.03
WCC-1D	50.45	NA	-19.51	-19.55	-19.92	-19.61	-19.10	-19.00	-18.53
WCC-3D	51.18	NA	-19.38	-19.39	-19.71	-20.52	-18.87	-18.85	-18.40
MW-8	49.09	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	48.67	NA	NA	NA	NA	NA	NA	-20.58	NA
MW-18	50.29	NA	NA	NA	NA	NA	NA	-20.88	NA
MW-19	46.55	NA	NA	NA	NA	NA	NA	-20.13	NA



0 1,000 2,000 FEET

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

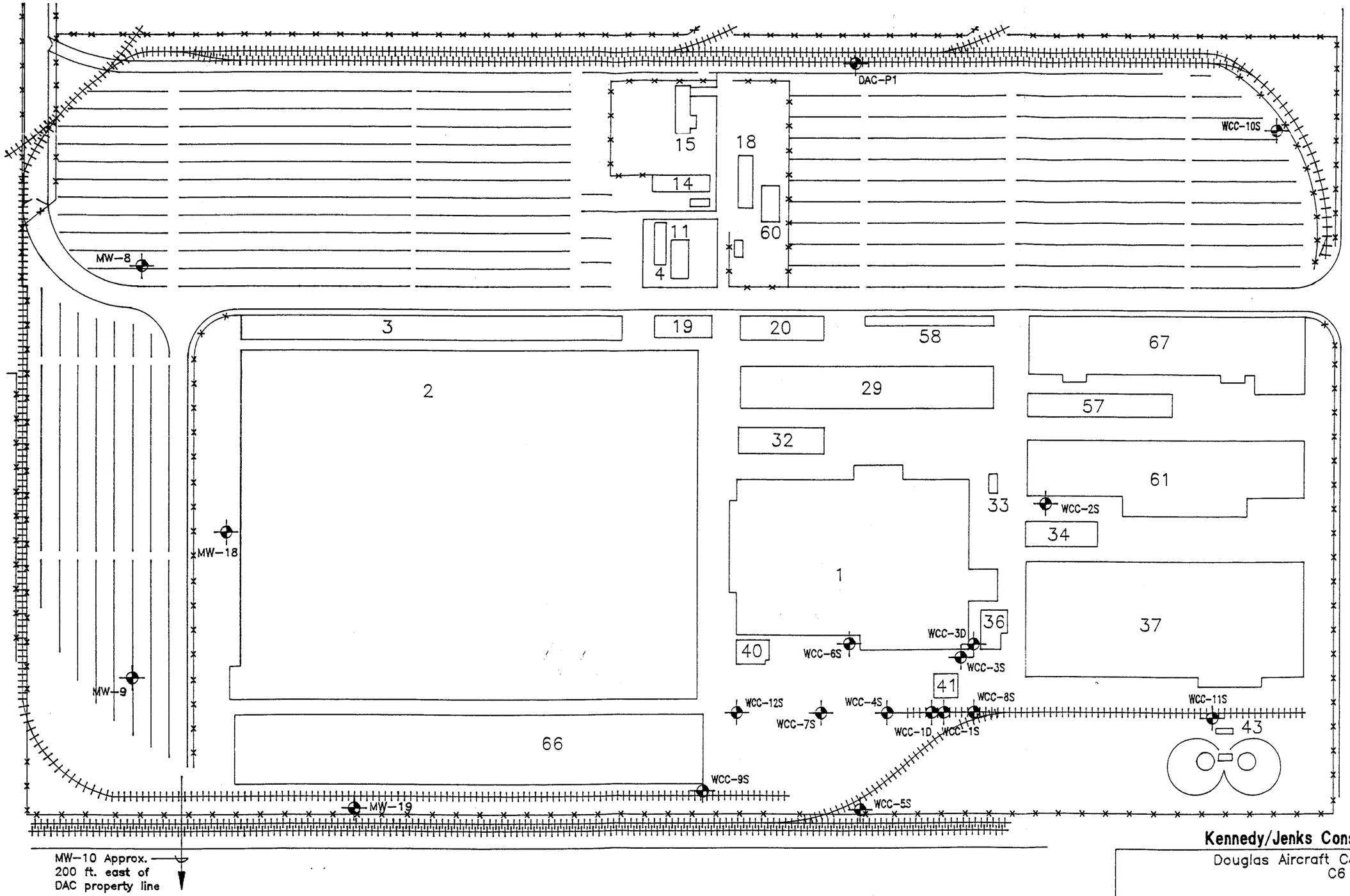
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Site Vicinity Map

September 1993
K/J 924010.01

Figure 1



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

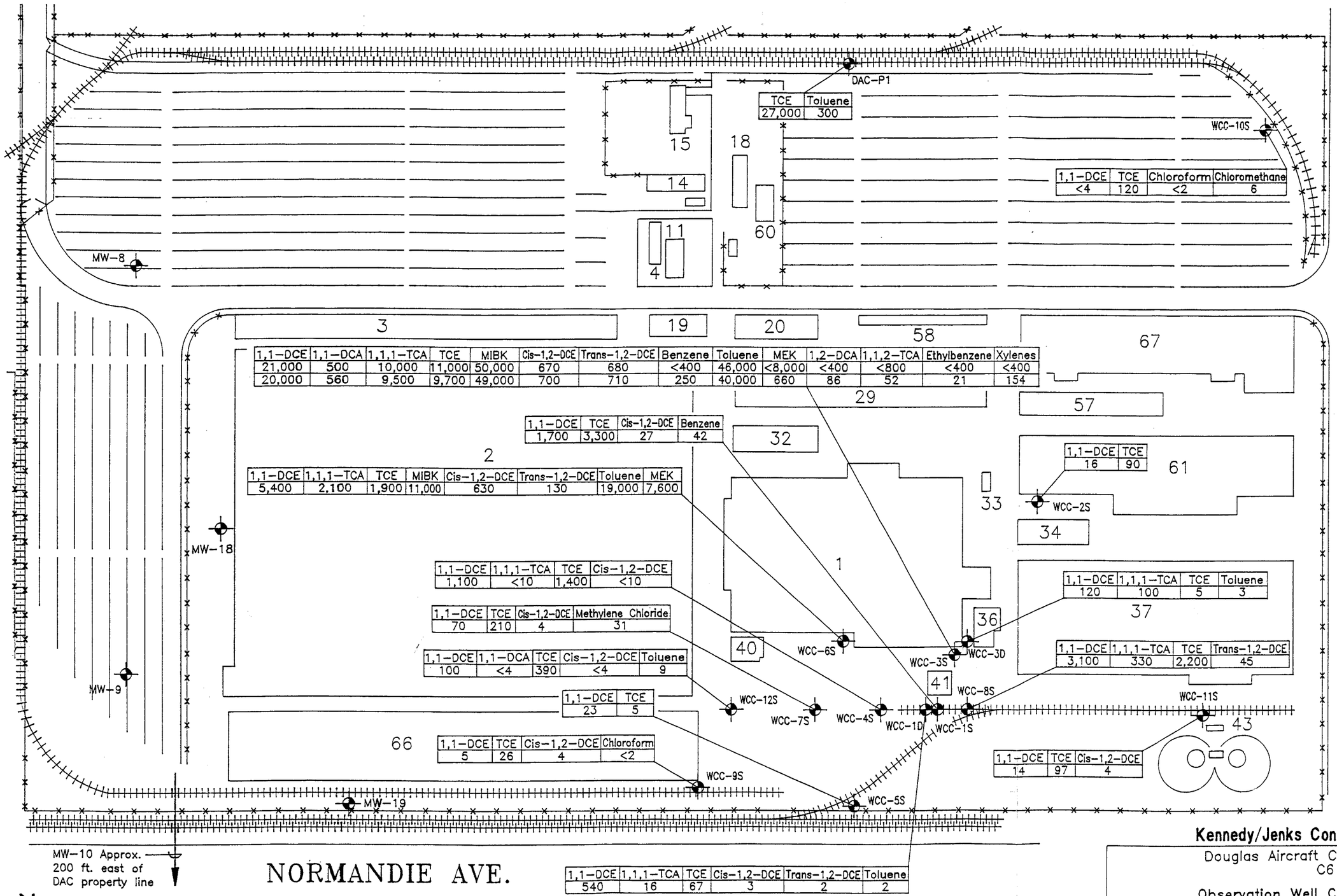
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Groundwater Observation Well Locations

September 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.

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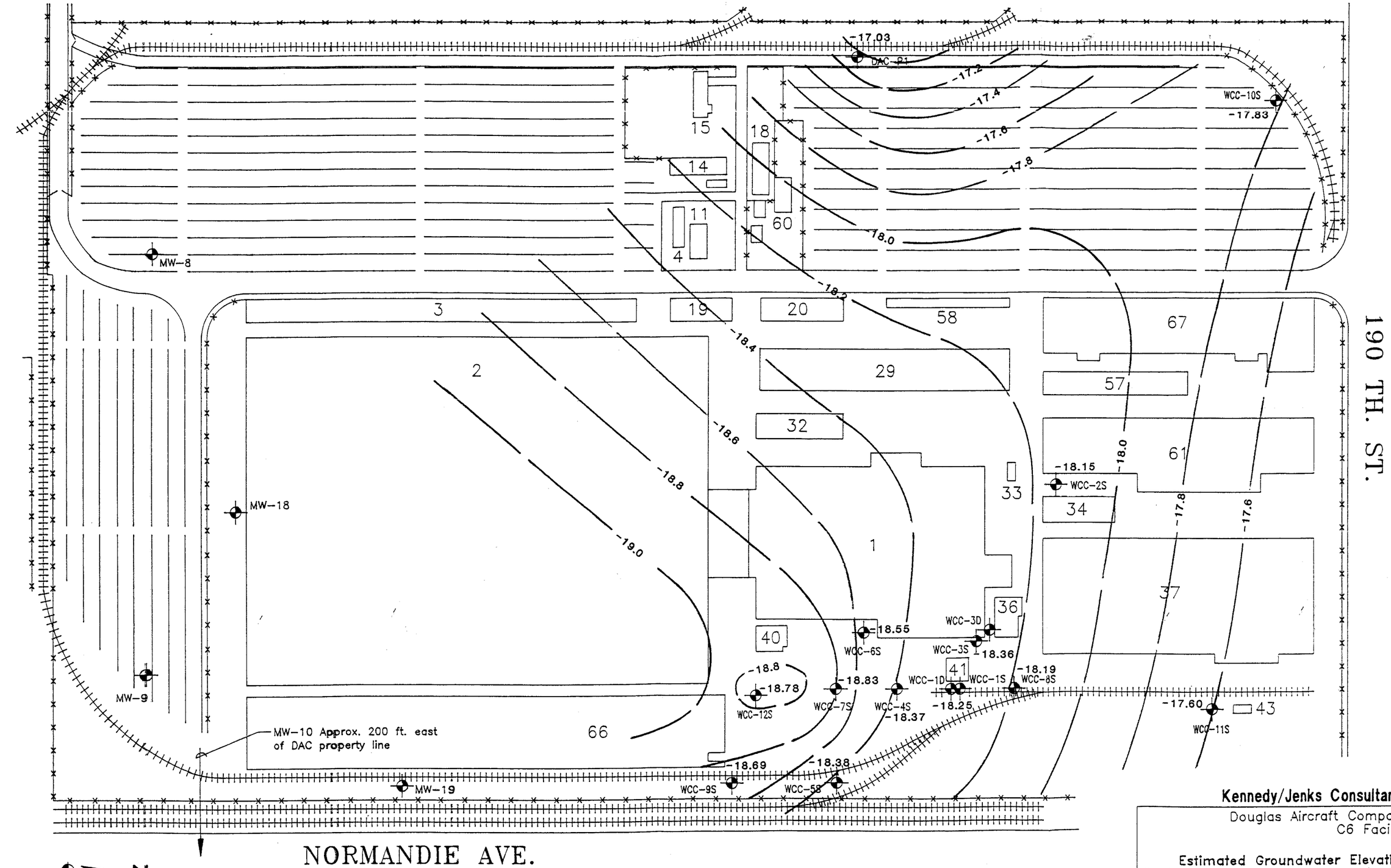
Douglas Aircraft Company
C6 Facility

Observation Well Chemical Concentrations August 1993 Sampling Event

September 1993
K/J 924010.01
Figure 3

BOE-C6-0191231



LEGEND

WCC-1S
-18.45
Observation Well Location, Designation and groundwater elevation, feet MSL, measured 8/24/93.

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

2) Contour Interval = 2 feet

Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Estimated Groundwater Elevation
Contour Map, Shallow Zone August 1993

September 1993
K/J 924010.01

Figure 4

APPENDIX A

LABORATORY DATA SHEETS

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC1S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	400
Benzene	71-43-2	42	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	1,700	40
cis-1,2-Dichloroethene	156-59-2	27	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC1S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	40
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	3,300	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC2S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	16	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC2S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	4.0
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	90	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220	Lab P.N.:	5464
	Irvine, CA 92714	Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC3S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	8,000
Benzene	71-43-2	ND	400
Bromobenzene	108-86-1	ND	400
Bromochloromethane	74-97-5	ND	800
Bromodichloromethane	75-27-4	ND	400
Bromoform	75-25-2	ND	400
Bromomethane	74-83-9	ND	800
2-Butanone	78-93-3	ND	8,000
n-Butylbenzene	104-51-8	ND	400
sec-Butylbenzene	135-98-8	ND	400
tert-Butylbenzene	98-06-6	ND	400
Carbon tetrachloride	56-23-5	ND	400
Carbon disulfide	75-15-0	ND	400
Chlorobenzene	108-90-7	ND	400
Chloroethane	75-00-3	ND	800
Chloroform	67-66-3	ND	400
Chloromethane	74-87-3	ND	800
2-Chlorotoluene	95-49-8	ND	400
4-Chlorotoluene	106-43-4	ND	400
Dibromochloromethane	124-48-01	ND	400
1,2-Dibromo-3-chloropropane	96-12-8	ND	800
Dibromomethane	74-95-3	ND	400
1,2-Dibromoethane	106-93-4	ND	400
1,2-Dichlorobenzene	95-50-1	ND	400
1,3-Dichlorobenzene	541-73-1	ND	400
1,4-Dichlorobenzene	106-46-7	ND	400
Dichlorodifluoromethane	75-71-8	ND	400
1,1-Dichloroethane	75-34-3	500	400
1,2-Dichloroethane	107-06-2	ND	400
1,1-Dichloroethene	75-35-4	21,000	800
cis-1,2-Dichloroethene	156-59-2	670	400
trans-1,2-Dichloroethene	156-60-5	680	400

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

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220	Lab P.N.:	5464
	Irvine, CA 92714	Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC3S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	400
1,3-Dichloropropane	142-28-9	ND	400
2,2-Dichloropropane	594-20-7	ND	400
1,1-Dichloropropene	563-58-6	ND	400
cis-1,3-Dichloropropene	10061-01-5	ND	400
trans-1,3-Dichloropropene	10061-02-6	ND	400
Ethylbenzene	100-41-4	ND	400
Hexachlorobutadiene	87-68-3	ND	800
2-Hexanone	591-78-6	ND	4,000
Isopropylbenzene	98-82-8	ND	400
p-Isopropyltoluene	99-87-6	ND	400
Methylene chloride	75-09-2	ND	800
4-Methyl-2-pentanone	108-10-1	50,000	4,000
Naphthalene	91-20-3	ND	400
n-Propylbenzene	103-65-1	ND	400
Styrene	100-42-5	ND	400
1,1,1,2-Tetrachloroethane	630-20-6	ND	400
1,1,2,2-Tetrachloroethane	79-34-5	ND	400
Tetrachloroethene	127-18-4	ND	400
Toluene	108-88-3	46,000	400
1,2,3-Trichlorobenzene	87-61-6	ND	400
1,2,4-Trichlorobenzene	120-82-1	ND	400
1,1,1-Trichloroethane	71-55-6	10,000	400
1,1,2-Trichloroethane	79-00-5	ND	800
Trichloroethene	79-01-6	11,000	400
Trichlorofluoromethane	75-69-4	ND	400
1,2,3-Trichloropropane	96-18-4	ND	400
1,2,4-Trimethylbenzene	95-63-6	ND	400
1,3,5-Trimethylbenzene	108-67-8	ND	400
Vinyl Acetate	105-05-4	ND	400
Vinyl chloride	75-01-4	ND	800
o-Xylene	95-47-6	ND	400
p,m-Xylene	108-38-3, 106-42-3	ND	400

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC4S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	200
Benzene	71-43-2	ND	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	ND	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	ND	10
1,2-Dichloroethane	107-06-2	ND	10
1,1-Dichloroethene	75-35-4	1,100	20
cis-1,2-Dichloroethene	156-59-2	ND	10
trans-1,2-Dichloroethene	156-60-5	ND	10

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

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC4S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	20
4-Methyl-2-pentanone	108-10-1	ND	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	ND	10
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	ND	10
1,1,2-Trichloroethane	79-00-5	ND	20
Trichloroethene	79-01-6	1,400	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC5S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	23	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC5S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	4.0
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	5.0	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 Acetate	105-05-4	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

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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC6S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	2,000
Benzene	71-43-2	ND	100
Bromobenzene	108-86-1	ND	100
Bromochloromethane	74-97-5	ND	200
Bromodichloromethane	75-27-4	ND	100
Bromoform	75-25-2	ND	100
Bromomethane	74-83-9	ND	200
2-Butanone	78-93-3	7,600	2,000
n-Butylbenzene	104-51-8	ND	100
sec-Butylbenzene	135-98-8	ND	100
tert-Butylbenzene	98-06-6	ND	100
Carbon tetrachloride	56-23-5	ND	100
Carbon disulfide	75-15-0	ND	100
Chlorobenzene	108-90-7	ND	100
Chloroethane	75-00-3	ND	200
Chloroform	67-66-3	ND	100
Chloromethane	74-87-3	ND	200
2-Chlorotoluene	95-49-8	ND	100
4-Chlorotoluene	106-43-4	ND	100
Dibromochloromethane	124-48-01	ND	100
1,2-Dibromo-3-chloropropane	96-12-8	ND	200
Dibromomethane	74-95-3	ND	100
1,2-Dibromoethane	106-93-4	ND	100
1,2-Dichlorobenzene	95-50-1	ND	100
1,3-Dichlorobenzene	541-73-1	ND	100
1,4-Dichlorobenzene	106-46-7	ND	100
Dichlorodifluoromethane	75-71-8	ND	100
1,1-Dichloroethane	75-34-3	ND	100
1,2-Dichloroethane	107-06-2	ND	100
1,1-Dichloroethene	75-35-4	5,400	200
cis-1,2-Dichloroethene	156-59-2	630	100
trans-1,2-Dichloroethene	156-60-5	130	100

ND; Not Detectable
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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC6S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	CAS #	Conc. µg/l	Quantitation limit µg/l
1,2-Dichloropropane	78-87-5	ND	100
1,3-Dichloropropane	142-28-9	ND	100
2,2-Dichloropropane	594-20-7	ND	100
1,1-Dichloropropene	563-58-6	ND	100
cis-1,3-Dichloropropene	10061-01-5	ND	100
trans-1,3-Dichloropropene	10061-02-6	ND	100
Ethylbenzene	100-41-4	ND	100
Hexachlorobutadiene	87-68-3	ND	200
2-Hexanone	591-78-6	ND	1,000
Isopropylbenzene	98-82-8	ND	100
p-Isopropyltoluene	99-87-6	ND	100
Methylene chloride	75-09-2	ND	200
4-Methyl-2-pentanone	108-10-1	11,000	1,000
Naphthalene	91-20-3	ND	100
n-Propylbenzene	103-65-1	ND	100
Styrene	100-42-5	ND	100
1,1,1,2-Tetrachloroethane	630-20-6	ND	100
1,1,2,2-Tetrachloroethane	79-34-5	ND	100
Tetrachloroethene	127-18-4	ND	100
Toluene	108-88-3	19,000	100
1,2,3-Trichlorobenzene	87-61-6	ND	100
1,2,4-Trichlorobenzene	120-82-1	ND	100
1,1,1-Trichloroethane	71-55-6	2,100	100
1,1,2-Trichloroethane	79-00-5	ND	200
Trichloroethene	79-01-6	1,900	100
Trichlorofluoromethane	75-69-4	ND	100
1,2,3-Trichloropropane	96-18-4	ND	100
1,2,4-Trimethylbenzene	95-63-6	ND	100
1,3,5-Trimethylbenzene	108-67-8	ND	100
Vinyl Acetate	105-05-4	ND	100
Vinyl chloride	75-01-4	ND	200
o-Xylene	95-47-6	ND	100
p,m-Xylene	108-38-3, 106-42-3	ND	100

ND; Not Detectable

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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/4/93
		Physical State:	Liquid
Sample ID:	WCC7S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	70	8.0
cis-1,2-Dichloroethene	156-59-2	4.0	4.0
trans-1,2-Dichloroethene	156-60-5	ND	4.0

ND; Not Detectable
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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220	Lab P.N.:	5464
	Irvine, CA 92714	Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/4/93
		Physical State:	Liquid
Sample ID:	WCC7S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	31	8.0
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	ND	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	ND	4.0
1,1,2-Trichloroethane	79-00-5	ND	8.0
Trichloroethene	79-01-6	210	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 Acetate	105-05-4	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

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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220	Lab P.N.:	5464
	Irvine, CA 92714	Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC8S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	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	3,100	40
cis-1,2-Dichloroethene	156-59-2	ND	20
trans-1,2-Dichloroethene	156-60-5	45	20

ND; Not Detectable
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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	WCC8S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	40
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	2,200	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC9S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	5.0	4.0
cis-1,2-Dichloroethene	156-59-2	4.0	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC9S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	4.0
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	26	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC10S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	6.0	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	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC10S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	120	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC11S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	4.0	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC11S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	4.0
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	97	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/4/93
		Physical State:	Liquid
Sample ID:	WCC12S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	100	8.0
cis-1,2-Dichloroethene	156-59-2	ND	4.0
trans-1,2-Dichloroethene	156-60-5	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/4/93
		Physical State:	Liquid
Sample ID:	WCC12S-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	8.0
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	ND	4.0
1,1,2-Trichloroethane	79-00-5	ND	8.0
Trichloroethene	79-01-6	390	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	DACP1-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	4,000
Benzene	71-43-2	ND	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	ND	200
1,2-Dichloroethane	107-06-2	ND	200
1,1-Dichloroethene	75-35-4	ND	400
cis-1,2-Dichloroethene	156-59-2	ND	200
trans-1,2-Dichloroethene	156-60-5	ND	200

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

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/7/93
		Physical State:	Liquid
Sample ID:	DACP1-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	2,000
Isopropylbenzene	98-82-8	ND	200
p-Isopropyltoluene	99-87-6	ND	200
Methylene chloride	75-09-2	ND	400
4-Methyl-2-pentanone	108-10-1	ND	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	300	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	ND	200
1,1,2-Trichloroethane	79-00-5	ND	400
Trichloroethene	79-01-6	27,000	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220	Lab P.N.:	5464
	Irvine, CA 92714	Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC1D-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	540	4.0
cis-1,2-Dichloroethene	156-59-2	3.0	2.0
trans-1,2-Dichloroethene	156-60-5	2.0	2.0

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

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC1D-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	4.0
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	2.0	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	16	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	67	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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC3D-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	120	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	WCC3D-6		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	4.0
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	3.0	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	100	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	5.0	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 Acetate	105-05-4	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-C6-0191263

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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Contact:	Sara Bartling		
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93-8/25/93
Project Address:	N/A	Date Received:	8/26/93
		Date Analyzed:	9/3/93-9/7/93
		Physical State:	Liquid

Quality Assurance/Quality Control Summary

Parameter (Method)	QC Type	MS Percent Recovery	MSD Percent Recovery	Acceptable Range	Relative Percent Difference	Acceptable Range
1,1, Dichloroethene (EPA 8240/8260)	M	116	116	61-145	0	0-14
Benzene (EPA 8240/8260)	M	81	85	76-127	5	0-11
Trichloroethene (EPA 8240/8260)	M	97	99	71-120	2	0-14
Toluene (EPA 8240/8260)	M	83	87	76-125	5	0-13
Chlorobenzene (EPA 8240/8260)	M	90	92	75-130	2	0-13
1,1, Dichloroethene (EPA 8240/8260)	M	100	80	61-145	22*	0-14
Benzene (EPA 8240/8260)	M	84	84	76-127	0	0-11
Trichloroethene (EPA 8240/8260)	M	100	80	71-120	22*	0-14
Toluene (EPA 8240/8260)	M	84	85	76-125	1	0-13
Chlorobenzene (EPA 8240/8260)	M	90	90	75-130	0	0-13

*RPD was outside of acceptable QC limits possibly due to the high concentration of the analyte present in the native sample.

Note: This report was amended on 9/30/93 to reflect correct EPA method reference as requested on Chain-of-Custody.

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-C6-0191265

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	TB082493		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220	Lab P.N.:	5464
	Irvine, CA 92714	Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/24/93
Project Address:	N/A	Date Analyzed:	9/3/93
		Physical State:	Liquid
Sample ID:	TB082493		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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 Acetate	105-05-4	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-C6-0191267

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/4/93
		Physical State:	Liquid
Sample ID:	FB082593		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/4/93
		Physical State:	Liquid
Sample ID:	FB082593		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	4.0
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 Acetate	105-05-4	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:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/4/93
		Physical State:	Liquid
Sample ID:	DW082593		

Volatile Organic Compounds, EPA 8240/8260

Parameters	CAS #	Conc. µg/l	Quantitation limit µg/l
Acetone	67-64-1	ND	200
Benzene	71-43-2	250	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	660	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	560	10
1,2-Dichloroethane	107-06-2	86	10
1,1-Dichloroethene	75-35-4	20,000	400
cis-1,2-Dichloroethene	156-59-2	700	10
trans-1,2-Dichloroethene	156-60-5	710	10

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

LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	9/16/93
Client Address:	17310 Red Hill Avenue, Suite 220 Irvine, CA 92714	Lab P.N.:	5464
		Client P.N.:	924010.01
Project Name:	Douglas Aircraft Co.	Date Sampled:	8/25/93
Project Address:	N/A	Date Analyzed:	9/4/93
		Physical State:	Liquid
Sample ID:	DW082593		

Volatile Organic Compounds, EPA 8240/8260

Parameters	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	21	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	49,000	2,000
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	40,000	200
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	9,500	200
1,1,2-Trichloroethane	79-00-5	52	20
Trichloroethene	79-01-6	9,700	200
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 Acetate	105-05-4	ND	10
Vinyl chloride	75-01-4	ND	20
o-Xylene	95-47-6	44	10
p,m-Xylene	108-38-3, 106-42-3	110	10

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

APPENDIX C

GROUNDWATER PURGE AND SAMPLE FORMS

69.58

WATER LEVEL DATA SHEET

Well No.	Date Mo/Day/Yr	Time	Well Elevation	Depth To Water	Water Elevation	Initials	Comments
WCC1S	8/24/93 SB	0935	50.70	68.95	-18.25		
WCC2S		0825	50.59	68.73	-18.14		
WCC3S		0909	51.19	69.55	~~-18.97~~ -18.36		
WCC4S		0850	49.69	68.06	-18.37		
WCC5S		0810	48.22	66.6	-18.38		
WCC6S		0845	50.93	69.5	-18.57		
WCC7S		0840	48.29	67.12	-18.83		
WCC8S		0900	50.56	68.75	-18.19		
WCC9S		0805	47.01	65.7	-18.69		
WCC10S			51.12	~~69.1~~ 68.96	-17.84		
WCC11S		0820	49.97	67.57	-17.60		
WCC12S		0800	46.92	65.7 (66.2)	~~-19.28~~ -18.78		
WCC1D			50.45	68.98	-18.53		
WCC3D			51.18	69.58	-18.40		
DACP1	↓	0930	52.44	69.47	-17.03		

Job No. 924010.01 Facility DAC C-6, Torrance CA

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-25-93

Well Number WCC15 Well Depth 90.5 Well Diameter 2" Casing Material PVC

Sampling Crew JCM , , ,

Type of Pump Bailer Sampler

Weather Conditions Hot, sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0935	68.95								
1340	start								
1347			1			26	7.35	1334	silty
1350			2			25	7.40	1323	"
1354			3			25	7.46	1550	"
1357			4			25	7.50	1313	"
1403			5			25	7.51	1320	"
1408			6			25	7.53	1310	"
1414			7			25	7.60	1305	"
1416			8			25	7.55	1313	"
1425					WCC15-6				

3 Well Volumes = 7.7 gallons 6 Sand in well 85' - 68.73

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-24-93

Well Number WCC25 Well Depth 90.5 Well Diameter 4" Casing Material PVC

Sampling Crew Jim , , ,

Type of Pump Sub Sampler

Weather Conditions Fair, Sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0825	68.73								
1438			1			27	7.02	1172	cloudy
1440			10			25	7.00	1169	sl. cloudy
1442			20			25	6.98	1149	clear
1444			30			25	7.01	1085	clear
1446			40			25	7.01	1076	clear
1447			45			25	7.03	1052	clear
1500					WCC25-6				

3 Well Volumes = 42 gallons. 90.5 - 68.73 x .65 x 3 =

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-25-93

Well Number WCC35 Well Depth 89 Well Diameter 4 Casing Material PVC

Sampling Crew JM , , ,

Type of Pump Sampler

Weather Conditions

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0909	69.55								
1442			1			30	7.82	2020	clear solvent odor
1444			10			26	7.27	1710	"
1446			20			26	7.25	1680	"
1449			30			26	7.22	1680	"
1451			40			26	7.24	1660	"
1510					WCC35-6				
					DW082593				

3 Well Volumes = 38 gallons 89 - 70 = 19 x .65 x 3

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

6,8 1,3,€

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-25-93

Well Number WC45 Well Depth 90.5 Well Diameter 4" Casing Material PVC

Sampling Crew JLN , , ,

Type of Pump Sub Sampler

Weather Conditions

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0850	68.06								
1128			1			30	7.00	1163	clear
1131			10			26	7.18	1200	clear
1133			20			26	7.80	1116	clear
1135			30			26	7.53	1033	clear
1138			40			27	7.30	1000	clear
1140			45			27	7.30	1000	clear

3 Well Volumes = 44 90.5 - 68.06 x .65 x 3

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-24-93

Well Number WCC55 Well Depth 91 Well Diameter 1" Casing Material PVC

Sampling Crew JUM, , , ,

Type of Pump Sub Sampler

Weather Conditions Fair, Sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0810	66.6								
1240			1			29	6.83	~~683~~ 1295	clear
1244			10			25	6.71	1326	clear
1246			20			25	6.72	1328	clear
1248			30			25	6.73	1335	Clear
1250			40			25	6.79	1337	clear
1252			50			25	6.80	1335	clear
1305					WCC55-6				

3 Well Volumes = 48 gallons. 91-66.6

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-25-93

Well Number WCC6S Well Depth 91 Well Diameter 4" Casing Material PVC

Sampling Crew Jim , , ,

Type of Pump Sub Sampler

Weather Conditions Fair, sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
	69.5								
1109			1			30	7.21	1090	clear, solvent odor
1211			10			26	7.26	1104	clear "
1214			20			26	7.23	1070	clear "
1217			40			25	7.23	1023	clear "
1220			45			26	7.20	1011	clear "
1235					WCC6S-6				

3 Well Volumes = 41 91-70 = 21 x .65 x 3 =

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name OAK Date 8-25-93

Well Number WCC7S Well Depth 90 Well Diameter 4 Casing Material PVC

Sampling Crew Jim, , , ,

Type of Pump Sub Sampler

Weather Conditions Sunny, Warm

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0840	67.12								
1034			5			25	7.18	877	clear
1035			10			26	7.18	877	clear
1037			20		microtip	26	7.19	839	clear
1040			30		background 2	26	7.24	834	clear
1042			40			26	7.22	822	clear
1043			45			26	7.24	825	clear
1100					WCC7S-6				

3 Well Volumes = 45 gallons 90-67 = 23 x .65 x 3

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-25-93

Well Number WCC85 Well Depth 89.5 Well Diameter 4" Casing Material PVC

Sampling Crew JLM , , ,

Type of Pump Sub Sampler

Weather Conditions

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
8-24 0900	68.75								
1258			1			30	7.14	1517	clear slight odor
1300			10			26	7.17	1555	clear "
1302			20			26	7.15	1490	clear "
1304			30			26	7.18	1490	clear "
1306			40			26	7.22	1440	clear "
1320					WCC85-6				

3 Well Volumes = 40 gallons 89.5 − 68.75 X .65 X 3

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-29-95

Well Number WCC95 Well Depth 90 Well Diameter 4" Casing Material PVC

Sampling Crew JCM , , ,

Type of Pump Sub Sampler

Weather Conditions Fair, sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0805	65.7								
1338			1	5		29	6.85	1182	sl. cloudy
1341			10			25	6.95	1096	sl. cloudy
1343			20			25	6.95	974	clear
1345			30			25	7.00	958	clear
1347			40			25	6.98	957	clear
1349			50			25	7.00	963	clear
1400					WCC95-6				

3 Well Volumes = 49 gallons 90-65.7

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-25-93

Well Number WCC10S Well Depth 90 Well Diameter _____ Casing Material _____

Sampling Crew Jim, _____, _____, _____

Type of Pump Sub Sampler _____

Weather Conditions Fair, breezy

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
8-24 0940	68.96								
0853			1			25	8.90	827	clear
0855			10			25	8.82	781	clear
0857			20			25	8.25	777	clear
0859			30			25	7.82	788	clear
0902			40			25	7.23	778	clear
0903			45			25	7.60	779	clear
0915					WCC10S-6				

3 Well Volumes = 41 gallons 90 - 68.96

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-24-93

Well Number WCC115 Well Depth 90 Well Diameter 4" Casing Material PVC

Sampling Crew JLM , , ,

Type of Pump Sub Sampler

Weather Conditions Fair, sunny breezy

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0820	67.57								
1525			1			28	7.16	1240	sl. cloudy
1527			10			25	6.95	1298	sl. cloudy
1529			20			25	6.95	1237	sl. cloudy
1532			30			25	6.94	1240	clear
1534			40			25	6.94	1213	clear
1535			45			25	6.97	1203	clear
1550					WCC115-6				

3 Well Volumes = 44 gallons 90 - 67.57 x .65 x 3

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name OAC Date 8-25-93

Well Number WCC125 Well Depth 90 Well Diameter 4" Casing Material PVC

Sampling Crew JVM , , ,

Type of Pump Sub Sampler

Weather Conditions Warm, Sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
8-24-93 0900	66.2								
0948			1			27	7.17	961	sl. cloudy
0951			10			25	7.22	915	sl. cloudy
0953			20			25	7.25	891	sl. cloudy
0956			30			25	7.24	897	clear
0958			40			25	7.28	904	clear
1000			46			25	7.25	915	clear
1015					WCC125-6				

3 Well Volumes = 46 gallons 90-66.2 X .65 X3 =

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-24-93

Well Number WCC1D Well Depth 140 Well Diameter 4" Casing Material PVC

Sampling Crew JCM , , ,

Type of Pump Sub Sampler

Weather Conditions Fair, sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
1116			1	5		25	6.88	662	white milky clear
1118				10		25	6.73	658	sl milky
1121				20		25	6.78	650	sl milky
1123				30		25	6.83	644	clear
1125				40		25	6.90	631	clear
1127				50		25	6.95	625	clear
1129				60		25	7.01	624	clear
1131				70		25	7.02	617	clear
1135				80		25	7.16	627	clear
1137				90		25	7.15	620	clear
1139				100		25	7.21	618	clear
1141				110		25	7.20	670	clear
1143				120		25	7.24	614	clear
1145				130		25	7.25	610	clear
1147				140		25	7.27	609	clear
~~1110~~ 1205					WCC1D-6				

3 Well Volumes = 138 gallons 40 - 69 = 71 x .65 x 3

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-24-93

Well Number WCC3D Well Depth 140 Well Diameter 4" Casing Material PVC

Sampling Crew JCM , , ,

Type of Pump Sub Sampler

Weather Conditions Warm Sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0									
0940			1			24	6.65	614	clear
0944			20			24	6.57	613	sl. cloudy
0949			30			25	6.68	603	clear
0951			40			25	6.82	602	clear
0953			50			25	6.82	605	clear
0955			60			25	6.91	596	clear
0957			70			25	6.94	595	clear
0959			80			25	6.97	598	clear
1001			90			25	6.96	599	clear
1003			100			25	7.02	599	clear
			110						
1010			120			25	7.10	595	clear
1012			130			25	7.15	595	clear
1014			140			25	7.16	595	clear
1040					WCC3D-6				

3 Well Volumes = 136. 140 − 70 = 70 × .65 × 3 = 136 gallons

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

GROUNDWATER SAMPLING RECORD

Facility Name DAC Date 8-25-93

Well Number DACP1 Well Depth 90 Well Diameter 4" Casing Material PVC

Sampling Crew JLM , , ,

Type of Pump Sub Sampler

Weather Conditions Fair, Sunny

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
0930	69.47								
1536			1			30	7.42	1382	sl. cloudy solvent odor
1541			10			27	7.51	1266	sl. cloudy "
				Dewater					
1547			20			27	7.48	1323	clear solvent odor
1555			30			28	7.66	1282	" "
1558			40			28	7.52	1313	" "
1615					DACP1-6				

3 Well Volumes = 40 gallons 90 - 69.47

Reference Well Volumes
2" well=0.16 gal/ft
4" well=0.65 gal/ft
6" well=1.5 gal/ft

APPENDIX D

CHAIN-OF-CUSTODY RECORDS

TERRA TECH LABS Inc.
ENVIRONMENTAL TESTING
1920 E. Deere Ave., Suite 130
Santa Ana, CA 92705
Tel 714.757.7022
Fax 714.757.7274

Chain-Of-Custody Record

Client: Kennedy / Jenks Consultants
Date: 8-26-93
Project Name: Douglas Aircraft Co.
Client Project #: 924010.01
Project Address:
Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☒ Normal
- ☐ Mobile Lab

Project Contact: Joseph L. Montoya

TTL Project #: 5464
Page: 1 of 2
Lab Use Only
Sample Condition as Received:
Chilled ☒ yes ☐ no
Sealed ☐ yes ☒ no

Analysis Requested: 8240/8260

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A)	8240/8260								Number of Containers	Container/Comments
TB082493		8-24-93	1040	IC33121	A	X								1	40 ml
WCC3D-6		8-24-93	1040	IC33122	A	X								3	
WCC1D-6		8-24-93	1205	IC33123	A	X								3	
WCC5S-6		8-24-93	1305	IC33124	A	X								3	
WCC9S-6		8-24-93	1400	IC33125	A	X								3	
WCC2S-6		8-24-93	1500	IC33126	A	X								3	
WCC11S-6		8-24-93	1550	IC33127	A	X								3	
DW082593		8-25-93	—	IC33128	A	X								3	
WCC10S-6		8-25-93	0915	IC33129	A	X								3	
WCC12S-6		8-25-93	1015	IC33130	A	X								3	

❶ Relinquished by (signature): Joseph L. Montoya	Date: 8-26-93	❷ Received by (signature):	Date:	28 Total Number of Containers
Company: Kennedy / Jenks Con	Time: 1010	Company:	Time:	Additional Comments: Please analyze at lowest possible detection limits
❸ Relinquished by (signature):	Date:	❹ Received by Laboratory (signature): C Nelles	Date: 8/26/93	
Company:	Time:	Company: TTL	Time: 10:10	

BOE-C6-0191290

TERRA TECH LABO Inc.
ENVIRONMENTAL TESTING
1920 E. Deere Ave., Suite 130
Santa Ana, CA 92705
Tel 714.757.7022
Fax 714.757.7274

Chain-Of-Custody Record

Client Kennedy/Jenks Consultants

Date 8-26-93

Project Name Douglas Aircraft Co.

Client Project # 924010.01

Project Address

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☒ Normal
- ☐ Mobile Lab

Project Contact Joseph L. Montoya

TTL Project # 5464

Page 2 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☒ yes ☐ no
Sealed ☐ yes ☒ no

Analysis Requested: 8240/8260

Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A)	8240/8260								Number of Containers	Container/Comments
WCC7S-6		8-25-93	1100	IC33131	A	X								3	40 ml
WCC4S-6		8-25-93	1200	IC33132	A	X								3	
WCC6S-6		8-25-93	1235	IC33133	A	X								3	
WCC8S-6		8-25-93	1320	IC33134	A	X								3	
WCC1S-6		8-25-93	1425	IC33135	A	X								3	
FB082593		8-25-93	1420	IC33136	A	X								2	
WCC3S-6		8-25-93	1515	IC33137	A	X								3	
DACP1-6		8-25-93	1615	IC33138	A	X								3	

❶ Relinquished by (signature) Joseph L. Montoya	Date 8-26-93	❷ Received by (signature)	Date	23	Total Number of Containers
Company Kennedy/Jenks Consultants	Time 1010	Company	Time	Additional Comments: Please analyze at lowest possible detection limits	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature) C. Michel	Date 8/26/93		
Company	Time	Company TTL	Time 10:10		

BOE-C6-0191291