87

GROUNDWATER MONITORING
DATA SUMMARY REPORT
FIRST QUARTER 1997

MCDONNELL DOUGLAS
REALTY COMPANY C-6 FACILITY
TORRANCE, CALIFORNIA

K/J 944016.02

JUNE 1997

Kennedy/Jenks Consultants

GROUNDWATER MONITORING DATA SUMMARY REPORT FIRST QUARTER 1997

MCDONNELL DOUGLAS
REALTY COMPANY C-6 FACILITY
TORRANCE, CALIFORNIA

K/J 944016.02

JUNE 1997

Kennedy/Jenks Consultants

GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997

MCDONNELL DOUGLAS REALTY COMPANY C-6 FACILITY
TORRANCE, CALIFORNIA

K/J 944016.02

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	Summary of Observation Well Data (EPA Method 8240/8260), Major Constituents
3	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, May 1997 Sampling Event
4	Estimated Groundwater Elevation Contour Map, Shallow Zone, May 1997 Sampling Event
5	Chemical Concentration Profiles November 1991 to May 1997

APPENDICES

APPENDIX	TITLE
A	Laboratory Data Sheets
B	Groundwater Purge and Sample Forms
C	Chain-of-Custody Records

1.0 INTRODUCTION

The McDonnell Douglas Realty Company (MDRC) C-6 Facility, formerly the Douglas Aircraft Company (DAC) C-6 Facility, is located at 19503 South Normandie Avenue, Torrance, California (Figure 1). Quarterly groundwater sampling is being conducted in response to the California Regional Water Quality Control Board - Los Angeles Region correspondence to DAC, dated 7 April 1992. This report summarizes laboratory analytical data generated through the chemical analysis of groundwater samples collected 6, 7, 8, and 9 May, First Quarter 1997.

2.0 QUARTERLY MONITORING PROGRAM

First Quarter 1997 groundwater sampling was performed in accordance with standard sampling procedures. Static water level depths were measured on 6 May 1997, prior to initiating purging of groundwater from any observation well. Static water depths in observation wells (MW-8, MW-9, MW-18 and MW-19) located in the southern portion of the MDRC property installed for the Montrose Chemical Corporation Remedial Investigation were not measured for this quarter.

Groundwater samples were collected from the following fifteen wells (Figure 2) and chemically analyzed for volatile organic compounds (VOCs) by EPA Method 8240/8260 for the First Quarter 1997.

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

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

2.1 Groundwater Sampling Procedures

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

BOE-C6-0096994

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

2.2 Field QA/QC Procedures

Duplicate groundwater samples were collected for the sampling round on 7, 8, and 9 May 1997 for quality control purposes. The duplicates were collected in three HCl-preserved vials and identified by inserting the collection date after "DUP-" (DUP-050797, DUP-050897, and DUP-050997). No further sample identification was provided to the laboratory. Duplicate samples were taken on 7, 8, and 9 May from observation wells WCC-2S, WCC-3S, and WCC-6S, respectively.

Following decontamination of the submersible pump, and prior to collection of groundwater samples from the successive well, an equipment rinsate blank was prepared for laboratory analysis. The equipment rinsate blank was prepared by pouring Reagent Grade II water, prepared by the analytical laboratory, over the pump and collecting the rinsate in two 40-ml vials preserved with HCl. The blank was identified following a similar protocol to that used for duplicate water samples and is identified as "EB" followed by the date. EB050997 was collected after sampling well WCC-6S. A trip blank was also analyzed for sampling and shipping activities and was identified as TB-050797.

All groundwater, duplicate, and field blank samples were transported in ice-cooled chests to Quanterra Environmental Services, Santa Ana, California using U.S. EPA-recommended Chain-of-Custody procedures.

3.0 EVALUATION OF ANALYTICAL RESULTS

3.1 Groundwater Gradient

Groundwater levels were measured prior to sampling on 6 May 1997 (Table 4 and Appendix C). The shallow zone groundwater elevations measured for this quarter ranged from 13.78 feet below mean sea level (MSL) to 15.19 feet below MSL, reflecting a rise in groundwater elevations of about 0.38 feet since the last quarter. An estimated potentiometric surface map for the shallow zone as measured on this day is presented as Figure 4. The groundwater gradient in the shallow zone was generally east to east-southeast with a southerly directed trough-like depression between observation wells WCC-12S and WCC-7S.

Insufficient data (two wells) are available to define the groundwater gradient in the deeper zone. Groundwater elevations in the two wells (WCC-1D and WCC-3D) were approximately 14.87 and 13.72 feet below MSL, respectively.

3.2 Analytical Data

The results of chemical analysis of groundwater and duplicate samples are summarized in Tables 2 and 3. Table 2 lists major constituents and Table 3 lists additional minor constituents of samples tested. The duplicate groundwater samples are indicated by an asterisk and are presented with the "original" groundwater samples. These tables include cumulative analytical data for all observation 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 15,000 micrograms per liter (µg/L) coming onto MDRC property (Figure 3). Previously detected toluene was not detected in this sampling. The concentration of TCE remains within historical ranges. DAC-P1 is screened in the shallow zone.

- Background concentrations of TCE and 1,1-DCE decreased in the shallow zone cross gradient well WCC-2S and increased in upgradient or WCC-11S. Both contaminants are within historical ranges at concentrations of 25 to 170 µg/L of TCE and 12 to 33 µg/L of 1,1-DCE.

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

- In general, variances of the other chemical concentrations since the last sampling remain within typical historical ranges.

- Low concentrations of 1-methylethylbenzene (MEB) were detected in samples collected from wells WCC-5S and WCC-9S at 1.2 and 1.0 µg/L, respectively.

- Purged water from WCC-2S was black at the beginning of the purge, and light gray at the end. This discoloration may be due to debris that fell into the well when the surface concrete box was damaged during demolition activities. Laboratory results for WCC-2S are within normal ranges, and were not affected by the debris.

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

BOE-C6-0096996

TABLES

TABLE 1

OBSERVATION WELL CONSTRUCTION DETAILS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

Well	Date Constructed	Well Diameter (inches)	Total Depth of Borehole (Feet)	Depth of Screened Interval (Feet)	Depth to top of Sand Filter Pack (Feet)	Well Casing Material and Slot Size	Hydrogeologic Unit Screened
WCC-1S[1]	3/26/87	2	91	78-88	72	Schedule 40 PVC0.020-Inch Slots	Shallow
WCC-2S[1]	10/28/87	4	90.5	70-90	63	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-3S[1]	10/26/87	4	92	69-89	64	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-4S[1]	10/27/87	4	91.5	70.5-90.5	65	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-5S[1]	11/24/87	4	91	60.5-91	58.5	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-6S[2]	9/22/89	4	91	60-90	N/A[3]	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-7S[2]	6/8/89	4	90.5	60-90	54	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-8S[2]	6/12/89	4	90	59.5-89.5	54	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-9S[2]	9/21/89	4	91.5	60-90	55	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-10S[2]	6/7/89	4	90.8	60-90	54	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-11S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-12S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC0.010-Inch Slots	Shallow
DAC-P[1]	9/25/89	4	N/A	60-90(?)	N/A	Schedule 40 PVC0.010-Inch Slots	Shallow
WCC-1D[2]	6/30/89	4	140	120-140	115	Schedule 40 PVC0.010-Inch Slots	Deeper
WCC-3D[2]	6/27/89	4	140	120-140	114	Schedule 40 PVC0.010-Inch Slots	Deeper
MW-8[4]	5/10/89	4	85	65-80	62	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-9[4]	5/9/89	4	85	66-81	61	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-18[4]	3/29/90	4	84	68-83	67	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-19[4]	3/30/90	4	80	63-79	62	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow

NOTES:

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

BOE-C6-0096998

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-1S	03/27/87	2,800	-	300	4,600	-	-	-	-	85	-	-
	*04/13/87	3,700/2,500	-/-	260/120	5,500/3,600	-/-	-/-	-/-	-/-	110	-/-	-/-
	11/12/87	3,000	23	160	5,200	-	-	75	39	160	-	-
	07/13/89	900	<20	67	2,400	<100	<20	<20	<20	<20	<20	-
	08/23/89	1,500	30	<30	2,800	<100	41	<30	<30	<30	<30	-
	11/18/91	1,300	-	-	3,700	-	-	-	-	-	-	-
	06/17/92	1,700	<50	<50	3,800	<100	<5	<50	<50	<50	<50	<100
	09/23/92	1,500	13	16	3,400	<5	<1	14	13	37	1	<5
	12/09/92	1,500	<30	<30	3,100	<100	<30	<30	<30	30	<30	<100
	03/18/93	1,000	13	15	2,100	<5	27	15	14	33	<2	<10
	06/08/93	1,200	<20	<20	2,400	<200	27	<20	<20	35	<20	<400
	08/25/93	1,700	<20	<20	3,300	<200	27	<20	<20	42	<20	<400
	11/19/93	1,600	<20	<20	2,600	<200	25	<20	<20	38	<20	<400
	2/24/94	1,800	<20	<20	2,700	<200	33	21	<20	39	<20	<400
	6/13/94	1,000	11	11	1,700	<100	20	16	<10	<10	<10	<200
	9/9/94	1,400	<40	<40	2,300	<400	<40	<40	<40	<40	<40	<800
	12/22/94	3,000	23	24	3,100	<200	38	36	<20	57	<20	<400
	3/14/95	2,000	<20	<20	2,300	<200	22	22	<20	34	<20	<400
	6/13/95	2,700	20	<20	3,200	<200	29	31	<20	45	<20	<400
	9/7/95	1,800	22	22	2,600	<10	37	37	16	51	<5	<10
	*12/15/95	2,900/2,800	26/26	22/22	2,600/2,500	nr	34/33	40/40	17/16	42/42	<2/<2	nr
	3/04/96	3,000	27	24	2,700	<40	35	45	<20	<20	<20	<40
	6/7/96	2,500	27	20	2,200	nr	28	39	12	7	<5	<10
	9/19/96	3,200	<50	<50	2,400	<500	<50	63	<50	<50	<50	<500
	*12/18/1996	2,600/2,600	<50/<50	<50/<50	2,200/2,300	<500/<500	<50/<50	<50/<50	<50/<50	<50/<50	<50/<50	<500/<500
	5/8/97	3,200	<50	<50	2,700	<500	<50	69	<50	<50	<50	<500

BOE-C6-0096999

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-2S	11/02/87	5	-	5		-	-	-	-	-	6	-
	11/12/87	2	-	1	4	-	-	-	-	-	1	-
	7/13/89	<1	<1	<1	5	<5	<1	<1	<1	<1	<1	-
	8/23/89	<1	<1	<1	3	<5	<1	<1	<1	<1	<1	-
	11/19/91	30	-	8	110	-	-	-	-	-	75	-
	06/16/92	30	<5	<5	100	<10	<5	<5	<5	<5	<5	<10
	*09/22/92	18/19	<1/<1	<1/<1	110/97	<5/<5	<1/<1	<1/<1	<1/<1	<1/<1	1/1	<5/<5
	*12/08/92	49/27	<1/<1	2/2	140/99	<5/<5	<1/<1	<1/<1	<1/2	<1/<1	<1/<1	<5/<5
	*03/17/93	32/33	<2/<2	<2/<2	110/100	<5/<5	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<10/<10
	06/07/93	48	<2	<2	150	<20	<2	<2	<2	<2	<2	<40
	08/24/93	16	<2	<2	90	<20	<2	<2	<2	<2	<2	<40
	11/19/93	41	<2	<2	94	<20	<2	<2	<2	<2	<2	<40
	2/24/94	30	<2	<2	96	<20	<2	<2	<2	<2	<2	<40
	6/10/94	24	<2	<2	97	<20	<2	<2	<2	<2	<2	<40
	9/8/94	37	<2	<2	150	<20	<2	<2	<2	<2	<2	<40
	12/22/94	28	<2	<2	110	<20	<2	<2	<2	<2	<2	<40
	3/13/95	27	<2	<2	160	<20	<2	<2	<2	<2	<2	<40
	6/12/95	30	<2	<2	130	<20	<2	<2	<2	<2	<2	<40
	9/6/95	56	<5	<5	200	<10	<5	<5	<5	<5	<5	<10
	12/15/95	15	<2	<2	60	nr	<2	<2	<2	<2	<2	nr
	3/01/96	<5	<5	<5	21	<10	<5	<5	<5	<5	<5	<10
	6/6/96	7	<5	<5	33	nr	<5	<5	<5	<5	<5	<10
	9/19/96	23	<1	<1	98	<10	<1	<1	<1	<1	<1	<10
	12/18/96	30	<2	<2	120	<20	2.2	<2	<2	<2	<2	<20
	*5/7/97	12/11	<1/<1	<1/<1	25/24	<10/<10	18/17	<1/<1	<1/<1	<1/<1	<1/<1	<10/<10

BOE-C6-0097000

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-3S	11/02/87	38,000	-	110,000	10,000	54,000	-	-	-	-	80,000	-
	11/12/87	88,000	1,000	54,000	11,000	70,000	-	1,000	-	-	140,000	-
	7/13/89	18,000	<500	56,000	7,700	<3000	<500	660	<500	<500	32,000	-
	08/23/89	56,000	<1,000	78,000	6,000	<5000	<1,000	<1,000	<1,000	<1,000	56,000	-
	11/14/91	12,000	400	6,900	7,900	70,000	550	550	250	-	27,000	12,000
	06/17/92	25,000	<5,000	13,000	13,000	100,000	<5,000	<5,000	<5,000	<,5000	51,000	<10,000
	09/23/92	22,000	<500	7,800	12,000	82,000	<500	<500	<500	<500	52,000	<3,000
	12/09/92	21,000	<500	5,600	11,000	90,000	700	600	<500	<500	44,000	4,000
	*03/18/93	20,000/20,000	650/510	21,000/22,000	8,800/8,800	44,000/45,000	650/640	640/670	120/110	240/260	42,000/42,000	<50/<50
	06/08/93	16,000	420	5,900	8,600	79,000	520	480	<100	210	37,000	<2,000
	*08/25/93	21,000/20,000	500/560	10,000/9,500	11,000/9,700	50,000/49,000	670/700	680/710	<400/<10	<400/250	46,000/40,000	<8,000/660
	11/19/93	26,000	690	19,000	10,000	47,000	1,100	840	<200	280	50,000	<4,000
	2/24/94	15,000	310	9,600	2,500	15,000	2,500	360	<200	<200	25,000	<4,000
	6/13/94	13,000	310	6,200	820	9,900	4,100	360	<200	<200	23,000	<4000
	*9/9/94	23,000/25,000	520/560	9,000/9,800	<500/<500	6,000/5,000	7,700/8,400	600/640	<500/<500	<500/<500	43,000/47,000	<10000/<10000
	12/22/94	20,000	440	6,700	390	3,400	6,700	530	<200	200	35,000	<4,000
	3/14/95	24,000	570	8,700	2,300	4,600	6,200	670	<200	230	40,000	<4,000
	6/13/95	22,000	450	4,800	1,200	6,600	6,300	500	<400	<400	39,000	<8000
	9/7/95	13,000	480	4,100	910	4,600	6,000	520	76	220	31,000	<200
	12/16/95	12,000	350	3,100	670	nr	4,400	400	45	130	**23000	nr
	3/04/96	8,400	230	1,900	480	200	3,200	280	<50	100	15,000	<100
	3/4/96	11,000	310	2,400	240	nr	3,400	340	38	110	18,000	32
	9/19/96	20,000	600	3,500	<500	<5,000	6,300	860	<500	<500	29,000	<5,000
	12/19/96	16,000	380	2,300	<250	<2,500	4,100	460	<250	<250	20,000	<2,500
	*5/8/97	6,300/6,200	140/<250	470/520	230/<250	<1,200/<2,500	2,000/2,000	180/<250	<120/<250	<120/<250	8,800/9,100	<1,200/<2,500

BOE-C6-0097001

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-4S	11/02/87	360	-	14	700	-	-	2	2	-	-	-
	11/12/87	1,200	-	35	690	-	-	-	-	-	-	-
	7/13/89	170	<3	11	270	-	10	<3	<3	<3	<3	-
	08/23/89	360	<5	7	410	<20	15	<5	<5	<5	<5	-
	11/18/91	1,000		20	2,200	<30	-	-	-	-	-	-
	06/17/92	920	<25	<25	1,500	<50	<25	<25	<25	<25	<25	<50
	09/23/92	1,400	<10	20	1,900	<50	<10	<10	10	<10	<10	<50
	12/08/92	1,000	<10	20	1,600	<50	10	<10	10	<10	<10	<50
	03/17/93	810	8	14	1,200	<5	8	5	5	6	<2	<10
	06/08/93	1,300	<10	12	1,800	<100	10	<10	<10	<10	<10	<200
	08/25/93	1,100	<10	<10	1,400	<100	<10	<10	<10	<10	<10	<200
	11/19/93	610	17	8	700	<40	6	5	<4	4	9	<80
	2/24/94	1,100	5.8	8.8	980	<40	8.7	7.2	5.1	6.4	<4	<80
	6/14/94	800	<4	5	940	<40	7	5	<4	<4	<4	<80
	9/9/94	1,000	<20	<20	1,300	<200	<20	<20	<20	<20	<20	<400
	12/22/94	670	<10	<10	750	<100	<10	<10	<10	<10	<10	<200
	3/14/95	400	10	5	450	<40	5	<4	<4	<4	<4	<80
	6/13/95	1,100	9	<6.6	1,100	<66	8	<6.6	<6.6	7	<6.6	<130
	9/7/95	910	8	6	1,200	<10	10	9	7	13	<5	<10
	12/15/95	1,100	4	<2	1,200	nr	8	7	4	2	<2	nr
	3/04/96	710	<5	<5	770	<10	6	6	<5	<5	<5	<10
	6/7/96	740	<5	<5	830	nr	5	<5	<5	<5	<5	<10
	9/19/96	980	<25	<25	960	<250	<25	<25	<25	<25	<25	<250
	12/18/96	780	<25	<25	960	<250	<25	<25	<25	<25	<25	<250
	5/8/97	1,000	<12	<12	1,100	<120	<12	14	<12	<12	<12	<120

BOE-C6-0097002

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-5S	11/30/87	7	-	1	-	-	-	-	-	-	1	-
	01/08/88	4	-	10	-	-	-	-	-	-	-	-
	*07/13/89	3/3	<1/<1	13/12	<5/<5	<1/<1	6/6	<1/<1	<1/<1	<1/<1	<1/<1	-
	08/23/89	<1	<1	12	<5	<1	4	<1	<1	<1	<1	-
	11/19/91	20	-	-	8	-	-	-	-	-	7	-
	06/15/92	28	<5	<5	7	<10	<5	<5	<5	<5	<5	<10
	09/21/92	21	<1	<1	5	<5	<1	<1	<1	<1	<1	<5
	12/07/92	21	<1	<1	5	<5	<1	<1	<1	<1	<1	<5
	03/16/93	18	<2	<2	4	<5	<2	<2	<2	<2	<2	<10
	06/07/93	22	<2	<2	4	<20	<2	<2	<2	<2	<2	<40
	08/24/93	23	<2	<2	5	<20	<2	<2	<2	<2	<2	<40
	11/18/93	21	<2	<2	3	<20	<2	<2	<2	<2	<2	<40
	2/23/94	20	<2	<2	4	<20	<2	<2	<2	<2	<2	<40
	*6/10/94	25/25	<2/<2	<2/<2	3.4/3.4	<20<20	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	9/8/94	18	<2	<2	3.3	<20	<2	<2	<2	<2	<2	<40
	12/21/94	18	<2	<2	2.9	<20	<2	<2	<2	<2	<2	<40
	3/13/95	14	<2	<2	2.8	<20	<2	<2	<2	<2	<2	<40
	6/12/95	19	<2	<2	3.2	<20	<2	<2	<2	<2	<2	<40
	9/6/95	18	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
	12/12/95	15	<2	<2	3	nr	<2	<2	<2	<2	<2	nr
	2/29/96	10	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
	6/6/96	9	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10
	9/18/96	10	<1	<1	3.1	<10	<1	<1	<1	<1	<1	<10
	12/17/96	10	<1	<1	2.4	<10	<1	<1	<1	<1	<1	<10
	5/7/97	10	<1	<1	3.1	<10	<1	<1	<1	<1	<1	<10

BOE-C6-0097003

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-6S	10/06/89	210	4	130	140	<5	12	7	<1	<1	<1	-
	11/16/91	5,800		5,000		17,000	-	-	-	-	35,000	21,000
	06/17/92	5,400	<500	2,100	3,000	7,600	<500	<500	<500	<500	15,000	6,300
	09/23/92	5,900	94	1,300	3,100	7,500	200	170	20	67	10,000	3,600
	*12/09/92	3,700/5,600	80/<100	680/1,400	2,700/3,200	3,400/<500	200/200	100/200	<50/<100	80/<100	5,000/10,000	3,000/5,000
	03/17/93	3,200	50	1,200	1,400	3,900/<500	<10	80	15	40	10,000	3,800
	06/08/93	5,500	<100	1,900	2,100	13,000	260	120	<100	<100	21,000	7,800
	08/25/93	5,400	<100	2,100	1,900	11,000	630	130	<100	<100	19,000	7,600
	11/19/93	2,200	42	440	670	4,700	480		<10	24	4,900	3,100
	2/24/94	11,000	91	2,200	1,800	13,000	1,400	140	21	52	20,000	4,400
	*6/13/94	5,800/6,300	87/<100	1,900/1,500	1,400/1,300	4,400/5,200	1,600/1,400	130/100	18/<100	52/<100	12,000/<13,000	1,400/<2,000
	9/9/94	Not sampled; well head obstructed										
	12/22/94	9,100	<200	1,300	1,900	4,800	2,500	<200	<200	<200	16,000	<4,000
	3/14/95	3,000	38	200	930	390	850	60	<20	25	2,300	<400
	6/13/95	9,800	130	810	510	450	4,200	180	28	82	8,400	<400
	*9/7/95	4,300/3,800	55/70	370/310	620/520	240/180	2,400/2,200	83/99	14/19	50/56	2,900/2,500	12/11
	12/16/95	11,000	120	1,400	2,000	nr	2,600	160	28	66	4,900	nr
	3/04/96	8,300	93	1,600	2,000	350	2,000	140	<50	56	3,900	340
	6/7/96	9,300	88	1,700	2,400	nr	3,000	120	<25	54	6,500	960
	*9/19/96	8,800/8,800	<250/110	890/950	2,000/2,200	<2,500/<1,000	1,800/1,800	250/160	<250/<100	<250/<100	4,000/4,300	<2,500/<1,000
	*12/19/96	7,000/8,300	<100/<100	680/820	2,200/2,600	<1,000/<1,000	880/1,000	110/130	<100/<100	<100/<100	2,600/3,000	<1,000/<1,000
	*5/9/97	6,800/7,000	<100/<100	720/740	1,900/2,000	<1,000/<1,000	1,100/1,200	<100/120	<100/<100	<100/<100	1,800/1,800	<1,000/<1,000

BOE-C6-0097004

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-7S	07/13/89	850	<10	110	1,300	<50	26	11	<10	<10	<10	-
	08/23/89	1,100	<30	66	1,400	<100	31	<30	<30	<30	<30	-
	11/18/91	390	-	-	1,200	-	-	-	-	-	-	-
	06/17/92	230	<5	<5	560	<10	<5	<5	<5	<5	<5	<10
	09/23/92	140	<5	<5	570	<30	<5	<5	<5	<5	<5	<30
	12/08/92	140	<5	<5	430	<30	<5	<5	<5	<5	<5	<30
	03/17/93	77	<2	<2	200	<5	4	<2	<2	<2	<2	<10
	06/07/93	120	<2	<2	330	<20	4	<2	<2	<2	<2	<40
	08/25/93	70	<4	<4	210	<40	4	<4	<4	<4	<4	<80
	11/19/93	56	<2	<2	130	<20	<2	<2	<2	<2	<2	<40
	2/24/94	75	<2	<2	140	<20	2.5	<2	<2	<2	<2	<40
	6/13/94	58	<2	<2	110	<20	3	<2	<2	<2	<2	<40
	9/8/94	50	13	<2	250	<20	<2	<2	<2	<2	<2	<40
	12/22/94	94	<2	<2	94	<20	<2	<2	<2	<2	<2	<40
	3/14/95	53	<2	<2	84	<20	<2	<2	<2	<2	<2	<40
	*6/13/95	110/98	<2/<2	<2/<2	230/220	<20/<20	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	9/7/95	150	<5	<5	200	<10	<5	<5	<5	<5	<5	<10
	12/15/95	98	<2	<2	140	nr	<2	<2	<2	<2	<2	nr
	3/01/96	91	<5	<5	120	<10	<5	<5	<5	<5	<5	<10
	6/7/96	100	<5	<5	130	<10	<5	<5	<5	<5	<5	<10
	9/19/96	120	<2	<2	150	<20	<2	<2	<2	<2	<2	<20
	12/18/96	99	<2	<2	130	<20	<2	<2	<2	<2	<2	<20
	5/8/97	120	<2.5	<2.5	140	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<25

BOE-C6-0097005

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-8S	07/13/89	430	<5	160	240	<30	7	9	<5	<5	<5	-
	08/23/89	820	<5	130	430	<30	7	<5	<5	<5	<5	-
	11/15/91	2,600	-	400	3,000	-	40	40	25	-	120	-
	*06/17/92	2,200/2,300	<25/<50	180/180	2,400/2,600	<50/<100	<25/<50	<25/<50	<25/<50	<25/<50	<25/<50	<50/<100
	09/23/92	2,800	<20	200	3,100	<100	<20	20	20	<20	<20	<100
	12/08/92	2,000	<20	100	2,500	<100	20	30	20	20	<20	<100
	03/17/93	1,800	11	180	1,500	<5	15	26	10	15	<2	<10
	06/08/93	3,000	<20	300	2,000	<200	<20	40	<20	<20	<20	<400
	08/25/93	3,100	<20	330	2,200	<200	<20	45	<20	<20	<20	<400
	11/19/96	3,300	<20	330	2,000	<200	<20	50	<20	24	<20	<400
	2/24/94	3,400	<20	300	1,200	<200	<20	35	<20	<20	<20	<400
	6/13/94	4,000	<40	290	2,200	<400	<40	44	<40	<40	<40	<800
	9/9/94	4,600	<50	280	3,100	<500	<50	<50	<50	<50	<50	<1000
	12/22/94	4,000	<20	230	2,100	<200	<20	43	<20	25	<20	<400
	3/14/95	4,500	<40	220	2,600	<400	<40	41	<40	<40	<40	<800
	6/13/95	4,200	<40	150	2,400	<400	<40	<40	<40	<40	<40	<800
	9/7/95	2,200	10	110	1,700	<10	15	28	9	22	<5	<10
	12/15/95	4,200	16	120	2,300	nr	18	40	<2	10	<2	nr
	*3/01/96	3,500/3,600	<20/<20	120/120	2,100/2,200	<40/<40	<20/<20	40/41	<20/<20	<20/<20	<20/<20	<40/<40
	6/7/96	3,300	11	91	2,000	nr	12	32	10	<5	<5	<10
	9/19/96	3,400	<50	59	1,900	<500	<50	<50	<50	<50	<50	<500
	12/18/96	3,000	<50	61	2,000	<500	<50	<50	<50	<50	<50	<500
	5/8/97	2,600	<50	<50	1,600	<500	<50	51	<50	<50	<50	<500

BOE-C6-0097006

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-9S	10/06/89	<1	<1	<1	15	<5	7	<1	<1	<1	<1	-
	11/19/91	-	-	-	20	-	-	-	-	-	-	-
	06/15/92	7	<5	<5	42	<10	<5	<5	<5	<5	<5	<10
	09/21/92	6	<1	<1	45	<5	2	<1	6	<1	<1	<5
	12/07/92	10	<1	<1	51	<5	<1	<1	12	<1	<1	<5
	03/16/93	6	<2	<2	23	<5	3	<2	11	<2	<2	<10
	*06/07/93	11/11	<2/<2	<2/<2	42/39	<20/<20	<2/<2	<2/<2	18/17	<2/<2	<2/<2	<40/<40
	08/24/93	5	<2	<2	26	<20	4	<2	<2	<2	<2	<40
	11/18/93	5	<2	<2	43	<20	<2	<2	7	<2	<2	<40
	2/23/94	<4	<2	<2	31	<20	2	<2	4	<2	<2	<40
	6/10/94	<4	<2	<2	28	<20	4	<2	3	<2	<2	<40
	9/8/94	<4	<2	<2	38	<20	3	<2	4	<2	<2	<40
	*12/21/94	<4/<4	<2/<2	<2/<2	22/26	<20/<20	3.1/3.3	<2/<2	3.0/3.1	<2/<2	<2/<2	<40/<40
	3/13/95	7	<2	<2	56	<20	<2	<2	8	<2	<2	<40
	*6/12/95	<4/<4	<2/<2	<2/<2	23/21	<20/<20	<2/<2	<2/<2	6.4/6	<2/<2	<2/<2	<40/<40
	9/6/95	11	<5	<5	64	<10	<5	<5	19	<5	<5	<10
	12/12/95	4	<2	<2	18	nr	3	<2	4	<2	<2	nr
	2/29/96	<5	<5	<5	17	<10	<5	<5	<5	<5	<5	<10
	6/6/96	<5	<5	<5	15	nr	<5	<5	<5	<5	<5	<10
	9/18/96	2.2	<1	<1	17	<10	2.9	<1	3.9	<1	<1	<10
	12/17/96	2.8	<1	<1	18	<10	2.8	<1	3.5	<1	<1	<10
	5/7/97	2.4	<1	<1	16	<10	3.0	<1	3.5	<1	<1	<10

BOE-C6-0097007

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-10S	*07/13/89	2/1	<1/<1	<1/<1	86/87	<5/<5	<1/<1	<1/<1	3/3	<1/<1	<1/<1	-
	08/23/89	4	<1	<1	81	5	<1	<1	4	<1	<1	-
	11/20/91	-	-	-	87	-	-	-	-	-	-	-
	06/16/92	10	<5	<5	120	<10	<5	<5	<5	<5	<5	13
	*09/21/92	9/9	<1/<1	<1/<1	120/110	<5/<5	<1/<1	<1/<1	4/4	<1/<1	<1/<1	<5/<5
	12/8/92	8	<1	<1	110	<5	<1	<1	5	<1	<1	<5
	03/16/93	9	<2	<2	130	<5	<2	<2	6	<2	<2	<10
	06/07/93	13	<2	<2	120	<20	<2	<2	4	<2	<2	<40
	08/25/93	<4	<2	<2	120	<20	<2	<2	<2	<2	<2	<40
	11/19/93	9	<2	<2	82	<20	<2	<2	2	<2	<2	<40
	2/23/94	10	<2	<2	110	<20	<2	<2	5	<2	<2	<40
	6/10/94	17	<2	<2	120	<20	<2	<2	4	<2	<2	<40
	9/8/94	17	<2	<2	130	<20	<2	<2	<2	<2	<2	<40
	*12/22/94	14/13	<2/<2	<2/<2	99/94	<20/<20	<2/<2	<2/<2	3.1/3.0	<2/<2	<2/<2	<40/<40
	*3/13/95	19/19	<2/<2	<2/<2	120/130	<20/<20	<2/<2	<2/<2	2.2/2.3	<2	<2	<40
	6/12/95	20	<2	<2	140	<20	<2	<2	2	<2	<2	
	9/6/95	27	<5	<5	160	<10	<5	<5	<5	<5	<5	<10
	12/16/95	23	<2	<2	135	nr	<2	<2	4	<2	<2	nr
	03/01/96	20	<5	<5	120	<10	<5	<5	<5	<5	<5	<10
	6/6/96	22	<5	<5	140	nr	<5	<5	<5	<5	<5	<10
	9/19/96	22	<2	<2	120	<20	<2	<2	2.5	<2	<2	<20
	12/18/96	Well has been covered or destroyed			-	-	-	-	-	-	-	-
	5/7/97	29	<2.5	<2.5	160	<25	<2.5	<2.5	3.2	<2.5	<2.5	<25

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-11S	11/15/91	10	-	-	80	-	-	-	-	-	-	-
	06/16/92	21	<5	<5	120	<10	<5	<5	<5	<5	<5	<10
	09/21/92	17	<1	<1	140	<5	2	<1	<1	<1	<1	<5
	12/08/92	13	<1	<1	83	<5	6	<1	<1	<1	<1	<5
	03/16/93	25	<2	<2	160	<5	4	<2	<2	<2	<2	<10
	06/07/93	16	<2	<2	110	<20	5	<2	<2	<2	<2	<40
	08/24/93	14	<2	<2	97	<20	4	<2	<2	<2	<2	<40
	*11/19/93	14/14	<2/<2	<2/<2	100/100	<20/<20	3/3	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	2/23/94	16	<2	<2	100	<20	4	<2	<2	<2	<2	<40
	6/10/94	16	<2	<2	85	<20	5	<2	<2	<2	<2	<40
	*9/8/94	20/19	<2/<2	<2/<2	140/120	<20/<20	4.8/5.9	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	12/21/94	26	<2	6	130	<20	4	<2	<2	<2	10	<40
	3/13/95	16	<2	<2	100	<20	6	<2	<2	<2	<2	<40
	6/12/95	22	<2	<2	130	<20	6	<2	<2	<2	<2	<40
	*9/6/95	31/30	<5/<5	<5/<5	190/200	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10
	12/15/95	34	<2	<2	210	nr	5	<2	<2	<2	<2	nr
	3/1/96	30	<5	<5	170	<10	<5	<5	<5	<5	<5	<10
	*6/6/96	28/29	<5/<5	<5/<5	170/170	nr/nr	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10
	9/19/96	22	<5	<5	150	<50	<5	<5	<5	<5	<5	<50
	12/18/96	28	<2	<2	170	<20	6.1	<2	<2	<2	<2	<20
	5/8/97	33	<2.5	<2.5	170	<25	5.1	<2.5	<2.5	<2.5	<2.5	<25

BOE-C6-0097009

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-12S	11/18/91	300	-	17	900	-	-	-	-	-	-	-
	*06/16/92	250/260	<5/5	<5/<5	660/710	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/10
	09/22/92	130	7	1	500	<5	3	<1	3	<1	<1	<5
	12/08/92	160	<5	<5	550	<30	5	<5	<5	<5	<5	<30
	03/17/93	100	7	<2	410	<5	4	8	3	<2	<2	<10
	06/07/93	130	2	<2	370	<20	5	<2	<2	<2	<2	<40
	08/25/93	100	<4	<4	390	<40	<4	<4	<4	<4	9	<80
	11/19/93	45	9	<2	220	<20	<2	<2	<2	<2	<2	<40
	2/24/94	89/77	7.7/3.9	<2/<2	270/220	<20/<20	2.9/3.3	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	6/13/94	84	15	<2	270	<20	3	<2	2	<2	<2	<40
	9/9/94	97	<2	<2	160	<20	<2	<2	<2	<2	<2	<40
	12/22/94	52	17	<2	190	<20	2	<2	<2	<2	<2	<40
	3/14/95	53	18	<2	230	<20	<2	<2	3	<2	<2	<40
	6/12/95	72	28	<2	330	<20	<2	<2	3	<2	<2	<40
	9/6/95	60	32	<5	300	<10	<5	<5	<5	<5	<5	<10
	12/15/95	44	10	<2	140	nr	3	<2	2	<2	<2	nr
	3/01/96	47	13	<5	150	<10	<5	<5	<5	<5	<5	<10
	6/7/96	37	12	<5	140	nr	<5	<5	<5	<5	<5	<10
	9/19/96	48	15	<2	150	<20	2.5	<2	2.2	<2	<2	<20
	12/18/96	43	16	<2	150	<20	2.5	<2	2.0	<2	<2	<20
	5/8/97	47	16	<2.5	150	<25	2.6	<2.5	<2.5	<2.5	<2.5	<25

BOE-C6-0097010

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
DAC-P1	10/09/89	<200	<200	<200	17,000	<1,000	<200	<200	<200	<200	<200	<1,000
	6/17/92	<5	<5	<5	21,000	<10	13	<5	10	<5	<5	<10
	*06/23/92	4/4	<1/<1	<1/<1	28,000/28,000	<5/<5	71/70	1/2	54/51	5/5	<1/<1	<5/<5
	12/09/92	<300	<500	<500	29,000	<3,000	<500	<500	<500	<500	<500	<3,000
	03/18/93	21	<2	44	21,000	7	68	2	44	5	260	<10
	06/08/93	<200	<100	<100	28,000	<1,000	<100	<100	<100	<100	130	<2,000
	08/25/93	<400	<200	<200	27,000	<2,000	<200	<200	<200	<200	300	<4,000
	11/19/93	<40	<20	<20	24,000	<200	81	<20	52	<20	<20	<400
	2/24/94	<40	<20	<20	20,000	<200	89	<20	47	<20	<20	<400
	6/13/94	<40	<20	<20	20,000	<200	92	<20	46	<20	<20	<400
	9/9/94	<400	<200	<200	18,000	<2,000	<200	<200	<200	<200	<200	<4,000
	12/22/94	<400	<200	<200	11,000	<2,000	<200	<200	<200	<200	<200	<4,000
	3/14/95	<400	<200	<200	21,000	<2,000	<200	<200	<200	<200	<200	<4,000
	6/13/95	<400	<200	<200	18,000	<2000	<200	<200	<200	<200	<200	<4,000
	9/7/95	12	<5	<5	13,000	<10	89	<5	33	<5	53	<10
	12/16/95	120	2	38	20,000	nr	130	5	45	5	680	nr
	*3/04/96	100/100	<100/<100	<100/<100	15,000/16,000	<200/<200	100/100	<100/<100	<100/<100	<100/<100	260/250	<200/<200
	*6/7/96	190/180	<50/<25	<50/45	13,000/12,000	nr/nr	95/95	<50/<25	<50/29	<50/<25	490/490	<100/<50
	9/19/96	350	<250	<250	15,000	<2,500	<250	<250	<250	<250	740	<2,500
	12/19/96	<500	<500	<500	15,000	<5,000	<500	<500	<500	<500	610	<5,000
	5/9/97	<250	<250	<250	15,000	<2,500	<250	<250	<250	<250	<250	<2,500

BOE-C6-0097011

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-1D	07/25/89	<1	<1	<1	2	<5	1	<1	<1	<1	1	-
	08/23/89	<1	<1	1	2	<5	<1	<1	<1	<1	<1	-
	11/15/91	90	-	8	40	-	-	-	-	-	20	-
	*06/15/92	1,500/1,300	<25/<25	63/64	230/210	<50/<65	<25/<25	<25/<25	<25/<25	<25/<25	<25/<25	<50/<50
	09/22/92	180	<1	8	44	<5	2	<1	<1	<1	<1	<5
	*12/07/92	160/150	<1/<1	8/160	41/6	<5/<5	2/<1	<1/<1	1/1	<1/<1	<1/3	<5/<5
	03/16/93	200	<2	19	23	<5	3	<2	<2	<2	<2	<10
	*06/08/93	500/480	<10/<4	14/17	71/72	<100/<40	<10/<4	<10/<4	<10/<4	<10/<4	<10/<4	<200/<80
	08/24/93	540	<2	16	67	<20	3	2	<2	<2	2	<40
	11/18/93	880	<2	16	110	<20	3	3	<2	<2	<2	<40
	2/23/94	140	<2	3	14	<20	<2	<2	<2	<2	<2	<40
	6/10/94	230	<2	4	24	<20	<2	<2	<2	<2	<2	<40
	9/8/94	210	<2	4	37	<20	<2	<2	<2	<2	<2	<40
	12/22/94	600	<2	10	71	<20	2	2	<2	<2	2	<40
	3/13/95	240	<4	<4	38	<40	<4	<4	<4	<4	<4	<80
	6/13/95	170	<2	<2	21	<20	2	<2	<2	<2	<2	<40
	9/3/95	150	<5	<5	29	<10	<5	<5	<5	<5	<5	<10
	12/16/95	12	<2	<2	23	nr	3	<2	<2	<2	<2	nr
	*2/29/96	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/<10
	6/6/96	<5	<5	<5	<5	nr	<5	<5	<5	<5	<5	<10
	*9/18/96	<1/<1	<1/<1	<1/<1	3.5/3.6	<10/<10	1.3/1.4	<1/<1	<1/<1	<1/<1	<1/<1	<10/<10
	12/18/96	<1	<1	<1	3.5	<10	1.4	<1	<1	<1	<1	<10
	5/7/97	<1	<1	<1	3.1	<10	1.2	<1	<1	<1	<1	<10

BOE-C6-0097012

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MAJOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-3D	07/25/89	<1	<1	49	4	<5	11	<1	<1	<1	3	-
	08/23/89	<10	<10	32	<10	<50	<10	<10	<10	<10	<10	-
	11/14/91	20	-	60	-	-	-	-	-	-	-	-
	06/16/92	510	<5	880	23	<10	<5	<5	<5	<5	8	<10
	09/22/92	21	<1	27	2	<5	<1	<1	<1	<1	<1	<5
	12/07/92	120	<1	130	5	<5	<1	<1	1	<1	3	<5
	*03/16/93	950/1,000	6/6	2,000/2,000	50/47	<5/<5	2/2	9/9	<2/<2	<2/<2	6/6	<10/<10
	06/08/93	110	<2	110	6	<20	<2	<2	<2	<2	<2	<40
	08/24/93	120	<2	100	5	<20	<2	<2	<2	<2	3	<40
	*11/18/93	610/840	<2/<4	410/640	17/23	<20/<40	<2/4	4/4	<2/<4	<2/<4	6/8	<40/<80
	2/23/94	370/420	<4/<4	530/590	23/25	<40/<40	<4/<4	<4/<4	<4/<4	<4/<4	12/13	<80/<80
	6/13/94	720	<10	1,300	96	<100	<10	<10	<10	<10	<10	<200
	9/9/94	3,700	<50	5,600	490	<500	<50	<50	<50	<50	<50	<1,000
	12/21/94	5,200	10	6,300	540	<40	15	22	<4	9	5,100	<80
	*3/14/95	3,300/3,200	<40/<20	4,000/3,900	370/380	<400/<200	<40/<20	<40/<20	<40/<20	<40/<20	3,200/3,400	<800/<400
	6/13/95	1,800	<10	2,100	200	<100	<10	<10	<10	<10	1,700	<200
	9/7/95	3,400	13	4,100	520	170	60	30	<5	13	4,700	<10
	12/16/95	111	<2	90	32	nr	3	<2	<2	<2	88	nr
	3/04/96	53	<5	40	23	<10	<5	<5	<5	<5	6	<10
	6/7/96	84	<5	59	60	nr	<5	<5	<5	<5	21	<10
	9/19/96	52	<1	24	61	<10	2.2	<1	<1	<1	12	<10
	12/19/96	97	1.3	67	42	<10	5.4	<1	<1	<1	20	<10
	5/8/97	43	<1	11	63	<10	1.7	<1	<1	<1	2.7	<10

Notes:
ug/l = micrograms per liter
1,1-DCE = Dichloroethene
1,1-DCA = Dichloroethane
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene
MIBK = Methyl isobutyl ketone
cis-1,2,-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
MEK = Methyl ethyl ketone
- = Detection limit not available
* = Samples with dual entries had duplicate samples collected. xxx/xxx = original sample / duplicate sample.
<5 = Result fell below detection limit shown.

BOE-C6-0097013

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
WCC-1S	03/27/87	-	-	-	-	-	-	-	-	-	-	-
	*04/13/87	-	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-	-
	07/13/89	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-	-
	11/18/91	-	-	-	-	-	-	-	-	-	-	-
	06/17/92	<300	-	-	-	-	-	-	-	-	-	-
	09/23/92	<5	<1	<1	4	<1	<1	<1	22	<1	<1	<1
	12/09/92	<100	<30	<30	40	<30	<30	<30	<30	<30	<30	<30
	03/18/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2	<2
	06/08/93	<400	<20	<20	<100	<20	<20	<20	<20	<20	<20	<20
	08/25/93	<400	<20	<20	<40	<20	<40	<20	<20	<20	<20	<20
	11/19/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20	<20
	2/24/94	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20	<20
	6/13/94	<200	<30	<10	<50	<10	<20	<10	<10	<10	<10	<10
	9/9/94	<800	<120	<40	<200	<40	<80	<40	<40	<40	<40	<40
	12/22/94	<400	<40	<20	<100	<20	<40	<20	<20	<20	<20	<20
	3/14/95	<400	<40	<20	<100	<20	<40	<20	<20	<20	<20	<20
	6/13/95	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20	<20
	9/7/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	*12/15/95	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	3/04/96	<40	<40	<20	<20	<20	<20	<20	<20	<20	<20	<20
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/96	<500	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50
	*12/18/96	<500/<500	<50/<50	<50/<50	<50/<50	<50/<50	<50/<50	<50/<50	<250/<250	<50/<50	<50/<50	<50/<50
	5/8/97	<500	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
WCC-2S	11/02/87	-	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-	-
	7/13/89	-	-	-	-	-	-	-	-	-	-	-
	8/23/89	-	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	-	-	-	-	-	-	-	-
	06/16/92	<10	-	-	-	-	-	-	-	-	-	-
	*09/22/92	<5/<5	<1/<1	<1/1	11/9	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<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	<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	<2/<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	2/24/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	12/22/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	3/13/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	3/01/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/96	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	1.1
	12/18/96	<20	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2
	*5/7/97	<10/<10	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<5/<5	<1/<1	<1/<1	<1/<1

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
WCC-3S	11/02/87	-	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-	-
	7/13/89	-	-	-	-	-	-	-	-	-	-	-
	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	<500
	12/09/92	<3,000	<500	<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	<10/<10
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<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	<400/<10
	11/19/93	<4,000	<200	<200	<1,000	<200	<200	<200	<200	<200	<200	<200
	2/24/94	<4,000	<200	<200	<1,000	<200	<400	<200	<200	<200	<200	<200
	6/13/94	<4000	<600	<200	<1000	<200	<400	<200	<200	<200	<200	<200
	*9/9/94	<10000/<10000	<1,500/1,500	<500/<500	<2,500/<2,500	<500/<500	<1000/<1000	<500/<500	<500/<500	<500/<500	<500/<500	<500/<500
	12/22/94	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200	<200
	3/14/95	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200	<200
	6/13/95	<8,000	<400	<400	<2,000	<400	<800	<400	<400	<400	<400	<400
	9/7/95	39	137	<5	23	<5	64	<5	<5	18	99	<5
	12/16/95	<2	42	<2	<2	<2	22	<2	<2	8	41	<2
	3/04/96	<100	<100	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/4/96	19	37	<5	13	<5	12	<5	<5	7	41	<5
	9/19/96	<5,000	<500	<500	<500	<500	<500	<500	<2,500	<500	<500	<500
	12/19/96	<2,500	<250	<250	<250	<250	<250	<250	<1,200	<250	<250	<250
	*5/8/97	<1,200/<1,200	<120/<250	<120/<250	<120/<250	<120/<250	<120/<250	<120/<250	<620/<1,200	<120/<250	<120/<250	<120/<250

BOE-C6-0097016

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
WCC-4S	11/02/87	-	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-	-
	7/13/89	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-	-
	11/18/91	-	-	-	-	-	-	-	-	-	-	-
	06/17/92	<150	-	-	-	-	-	-	-	-	-	-
	09/23/92	<50	<10	<10	20	<10	<10	<10	<10	<10	<10	<10
	12/08/92	<50	<10	<10	50	<10	<10	<10	<10	<10	<10	<10
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2	<2
	06/08/93	<200	<10	<10	<40	<10	<20	<10	<10	<10	<10	<10
	08/25/93	<200	<10	<10	<20	<10	<20	<10	<10	<10	<10	<10
	11/19/93	<80	<4	<4	<20	<4	<8	<4	<4	<4	<4	<4
	2/24/94	<80	<4	<4	<20	<4	<8	<4	<4	<4	<4	<4
	6/14/94	<80	<12	<4	<20	<4	<8	<4	<4	<4	<4	<4
	9/9/94	<400	<60	<20	<100	<20	<40	<20	<20	<20	<20	<20
	12/22/94	<200	<20	<10	<50	<10	<20	<10	<10	<10	<10	<10
	3/14/95	<80	<8	<4	<20	<4	<8	<4	<4	<4	<4	<4
	6/13/95	<130	<6.6	<6.6	<33	<6.6	<13	<6.6	<6.6	<6.6	<6.6	<6.6
	9/7/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	3/04/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/96	<250	<25	<25	<25	<25	<25	<25	<120	<25	<25	<25
	12/18/96	<250	<25	<25	<25	<25	<25	<25	<120	<25	<25	<25
	5/8/97	<120	<12	<12	<12	<12	<12	<12	<62	<12	<12	<12

BOE-C6-0097017

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
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	<1
	12/07/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<2	<4	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	2/23/94	<40	<2	<2	<10	<2	<4	<2	4	<2	<2	<2
	*6/10/94	<40/<40	<6/<6	<2/<2	<20/<20	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	12/21/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	3/13/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	2	<2	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/12/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	2/29/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/18/96	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	1.2
	12/17/96	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	2.0
	5/7/97	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	1.2

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
WCC-6S	10/06/89	-	-	-	-	-	-	-	-	-	-	-
	11/16/91	-	-	-	-	-	-	-	-	-	-	-
	06/17/92	<3,000	-	-	-	-	-	-	-	-	-	-
	09/23/92	78	26	<1	5	<1	96	<1	<1	5	5	<1
	*12/09/92	<300/<500	<50/<100	<50/<100	100/200	<50/<100	60/<100	<50/<10	<50/<100	<50/<10	<80/<10	<50/<100
	03/17/93	<50	20	<25	<50	<25	<10	<10	<25	<10	50	<25
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100	<100
	08/25/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100	<100
	11/19/93	<200	<10	<10	<50	<10	<20	<10	<10	<10	37	<10
	2/24/94	230	58	<10	<50	<10	74	<10	<10	10	47	<10
	*6/13/94	<200/<2000	51/<300	<50/<100	<50/<500	<10/<100	69/<200	<10/<100	<10/<10	<10/<100	41/<100	<10/<10
	9/9/94	Not sampled; well head obstructed.										
	12/22/94	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200	<200
	3/14/95	<400	<40	<20	<100	<20	<40	<20	<20	<20	26	<20
	6/13/95	<400	<20	<20	<100	<20	60	<20	<20	<20	51	<20
	*9/7/95	<10/<10	1	<5/<5	<5/<5	<5/<5	1	<5/<5	<5/<5	<5/<5	1	<5/<5
	12/16/95	<2	28	<2	<2	<2	76	<2	<2	5	41	<2
	3/04/96	<100	<100	<50	<50	<50	61	<50	<50	<50	<50	<50
	6/7/96	<50	<25	<25	<25	<25	53	<25	<25	<25	39	<25
	*9/19/96	<2,500/<1,000	<250/<100	<250/<100	<250/<100	<250/<100	<250/<100	<250/<100	<1,200/<500	<250/<100	<250/<100	<250/<100
	*12/19/96	<1,000/<1,000	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<500/<500	<100/<100	<100/<100	<100/<100
	*5/9/97	<1,000/<1,000	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<500/<500	<100/<100	<100/<100	<100/<100

BOE-C6-0097019

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
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	<5
	12/08/92	<30	<5	<5	10	<5	<5	<5	<5	<5	<5	<5
	03/17/93	<10	<5	<5	<10	<5	<2	<2	<5	<2	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	08/25/93	<80	<4	<4	31	<4	<8	<4	<4	<4	<4	<4
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	2/24/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/13/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	12/22/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	3/14/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	*6/13/95	<40/<40	<2/<2	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	0	<2/<2	<2/<2	<2/<2
	9/7/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	3/01/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/96	<20	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2
	12/18/96	<20	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2
	5/8/97	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<12	<2.5	<2.5	<2.5

BOE-C6-0097020

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
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	<20
	12/08/92	<100	<20	<20	30	<20	<20	<20	<20	<20	<20	<20
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2	<2
	06/08/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20	<20
	08/25/93	<400	<20	<20	<40	<20	<40	<20	<20	<20	<20	<20
	11/19/96	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20	<20
	2/24/94	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20	<20
	6/13/94	<800	<120	<40	<200	<40	<80	<40	<40	<40	<40	<40
	9/9/94	<1000	<150	<50	<250	<50	<100	<50	<50	<50	<50	<50
	12/22/94	<400	<40	<20	<100	<20	<40	<20	<20	<20	<20	<20
	3/14/95	<800	<80	<40	<200	<40	<80	<40	<40	<40	<40	<40
	6/13/95	<800	<40	<40	<200	<40	<80	<40	<40	<40	<40	<40
	9/7/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	*3/01/96	<40/<40	<40/<40	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20	<20/<20
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/96	<500	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50
	12/18/96	<500	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50
	5/8/97	<500	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50

BOE-C6-0097021

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
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	<1
	12/07/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<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	<2/<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	2/23/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	*12/21/94	<40/<40	<4/<4	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	3/13/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	*6/12/95	<40/<40	<2/<2	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/12/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	2/29/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/18/96	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	1.1
	12/17/96	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	1.5
	5/7/97	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	1.0

BOE-C6-0097022

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
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	<1/<1
	12/8/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	08/25/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	2/23/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	*12/22/94	<40/<40	<4/<4	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	*3/13/95	<40/<40	<4/<4	<2/<2	<10/<10	<2/<2	<4/<4	2.4/<2	<2/<2	<2/<2	<2/<2	<2/<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	17	<2	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	14	<5	<5	<5
	12/16/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	03/01/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/96	<20	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2
	12/18/96	Well has been covered			-	-	-	-	-	-	-	-
	5/7/97	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<12	<2.5	<2.5	<2.5

BOE-C6-0097023

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
WCC-11S	11/15/91	-	-	-	-	-	-	-	-	-	-	-
	06/16/92	<10	-	-	-	-	-	-	-	-	-	-
	09/21/92	<5	<1	2	9	<1	<1	<1	<1	<1	<1	<1
	12/08/92	<5	<1	<1	4	<1	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	*11/19/93	<40/<40	<2/<2	<2/<4	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	2/23/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2	<2
	*9/8/94	<40/<40	<6/<6	<2/<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	12/21/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	3/13/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	*9/6/95	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	3/1/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	*6/6/96	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5
	9/19/96	<50	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5
	12/18/96	<20	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2
	5/8/97	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<12	<2.5	<2.5	<2.5

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
WCC-12S	11/18/91	-	-	-	-	-	-	-	-	-	-	-
	*06/16/92	<10/<10	-	-	-	-	-	-	-	-	-	-
	09/22/92	<5	<1	4	7	<1	<1	<1	<1	<1	<1	<1
	12/08/92	<30	<5	<5	20	<5	<5	<5	<5	<5	<5	<5
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	08/25/93	<80	<4	<4	<8	<4	<8	<4	<4	<4	<4	<4
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	2/24/94	<40/<40	<2/<2	<2<2	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2
	6/13/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	9/9/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	12/22/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	3/14/95	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/12/95	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	9/6/95	<10	<5	<5	<5	<5	<5	<5	33	<5	<5	<5
	12/15/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	3/01/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/96	<20	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2
	12/18/96	<20	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2
	5/8/97	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<12	<2.5	<2.5	<2.5

BOE-C6-0097025

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
DAC-P1	10/09/89	<1,000	-	-	-	-	-	-	-	-	-	-
	6/17/92	<30	-	-	-	-	-	-	-	-	-	-
	*06/23/92	<5/<5	<1/<1	1/1	4/4	4/4	9/9	13/13	<1/<1	<1/<1	<1/<1	<1/<1
	12/09/92	<3,000	<500	<500	2,000	<500	<500	<500	<500	<500	<500	<500
	03/18/93	<10	<2	<5	<10	<5	5	10	<5	<2	<2	<2
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100	<100
	08/25/93	<4,000	<200	<200	<400	<200	<400	<200	<200	<200	<200	<200
	11/19/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20	<20
	2/24/94	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20	<20
	6/13/94	<400	<60	<20	<100	<20	<40	<20	<20	<20	<20	<20
	9/9/94	<4000	<600	<200	<1000	<200	<400	<200	<200	<200	<200	<200
	12/22/94	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200	<200
	3/14/95	<4,000	<400	<200	<1,000	<200	<400	<200	<200	<200	<200	<200
	6/13/95	<4,000	<200	<200	<1,000	<200	<400	<200	<200	<200	<200	<200
	9/7/95	<10	<5	<5	<5	<5	<5	17	<5	<5	<5	<5
	12/16/95	<2	<4	<2	<2	<2	4	11	<2	<2	<2	<2
	*3/04/96	<200/<200	<200/<200	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100	<100/<100
	*6/7/96	<100/<50	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25	<50/<25
	9/19/96	<2500	<250	<250	<250	<250	<250	<250	<1,200	<250	<250	<250
	12/19/96	<5,000	<500	<500	<500	<500	<500	<500	<2,500	<500	<500	<500
	5/9/97	<2,500	<250	<250	<250	<250	<250	<250	<1,200	<250	<250	<250

BOE-C6-0097026

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
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	<1
	*12/07/92	<5/<5	<1/<1	<1/<1	2/2	<1/<1	<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	<2
	*06/08/93	<200/<80	<10/<4	<10/<4	<20/<10	<10/<4	<20/<8	<10/<4	<10/<4	<10/<4	<10/<4	<10/<4
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	2/23/94	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2	<2
	6/10/94	<40	<6	<2	<20	<2	<4	<2	<2	<2	<2	<2
	9/8/94	<40	<6	<2	<10	<2	<4	<2	<2	<2	<2	<2
	12/22/94	<40	<4	<2	<10	<2	<4	<2	<2	<2	<2	<2
	3/13/95	<80	<8	<4	<20	<4	<8	<4	<4	<4	<4	<4
	6/13/95	<40	<2	<2	<10	<2	<4	<2	3	<2	<2	<2
	9/3/95	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	12/16/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	*2/29/96	<10/<10	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5
	6/6/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	*9/18/96	<10/<10	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<5/<5	<1/<1	<1/<1	<1/<1
	12/18/96	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	1.2
	5/7/97	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1

BOE-C6-0097027

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

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

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA	1-Methylethyl benzene
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	<1
	12/07/92	<5	<1	<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	<2/<2
	06/08/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2	<2
	*11/18/93	<40/<80	<2/<4	<2/<4	<10/<20	<2/<4	<4/<8	<2/<4	<2/<4	<2/<4	<2/<4	<2/<4
	2/23/94	<80	<4	<4	<20	<4	<8	<4	<4	<4	<4	<4
	6/13/94	<200	<30	<10	<50	<10	<20	<10	<10	<10	<10	<10
	9/9/94	<1000	<150	<50	<250	<50	<100	<50	<50	<50	<50	<50
	12/21/94	<80	<8	<4	<20	<4	29	<4	<4	<4	<4	<4
	*3/14/95	<800/<400	<80/<40	<40/<20	<200/<100	<40/<20	<80/<40	<40/61	<40/<20	<40/<20	<40/<20	<40/<20
	6/13/95	<200	<10	<10	<50	<10	<20	<10	<10	<10	<10	<10
	9/7/95	<10	8	<5	<5	<5	35	<5	<5	<5	6	<5
	12/16/95	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2
	3/04/96	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
	6/7/96	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/96	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
	12/19/96	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	1.1
	5/8/97	<10	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1

Notes:
ug/l = micrograms per liter
PCE = Tetrachloroethene
1,1,2-TCA=1,1,2-Trichloroethane
1,2-DCA = 1,2-Dichloroethane
- = Detection limit not available
* = Samples with dual entries had duplicate samples collected. xxx/xxx = original sample / duplicate sample.
<5 = Result fell below detection limit shown.

BOE-C6-0097028

TABLE 4

SUMMARY OF GROUNDWATER ELEVATION DATA
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

Observation Well	Reference Point[1] Elevation (Feet Above MSL)[2]	Water Level Elevation (Feet Above Mean Sea Level)									
		12/21/94	3/13/95	6/12/95	9/20/95	12/12/95	2/29/96	6/6/96	9/18/96	12/18/96	5/6/97
WCC-1S	50.7	-17.12	-17.12	-16.53	-16.27	-16.05	-15.80	-15.47	-15.36	-15.03	-14.58
WCC-2S	50.59	-17.17	-17.08	-16.37	-16.19	-15.86	-15.77	-15.26	-15.18	-14.82	-14.36
WCC-3S	51.19	-17.28	-17.22	-16.58	-16.37	-16.06	-15.93	-15.41	-15.41	-15.11	-14.63
WCC-4S	49.69	-17.31	-17.23	-16.61	-16.38	-16.16	-17.02	-15.56	-15.49	-15.19	-14.74
WCC-5S	48.22	-17.25	-17.19	-16.56	-16.35	-16.14	-16.02	-15.54	-15.47	-15.22	-14.81
WCC-6S	50.95	-17.45	-17.36	16.75	-16.64[3]	-16.30	-16.17	-15.76	-15.65	-15.35	-14.90
WCC-7S	48.29	-17.74	-17.54	-17.03	-16.82	-16.59	-16.46	-16.01	-15.95	-15.64	-15.19
WCC-8S	50.56	-17.12	-17.29	-16.42	-16.16	-15.89	-15.76	-15.34	-15.27	-14.99	-14.56
WCC-9S	47.01	-17.51	-17.41	-16.79	-16.64	-16.39	-16.49	-15.86	-15.76	-15.47	-15.10
WCC-10S	51.12	-16.97	-16.56	-16.05	-15.89	-15.54	-15.22	-14.77	-14.68	NA	-13.78
WCC-11S	49.97	-16.63	-16.48	-15.83	-15.59	-15.35	-15.19	-14.71	-14.64	-14.34	-13.88
WCC-12S	46.92	-17.67	-17.63	-17.00	-16.79	-16.54	-16.40	-15.96	-15.88	-15.56	-15.15
DAC-P1	52.44	-16.25	-16.41	-15.94	-15.66	-15.66	-15.40	-15.02	-14.88	-14.67	-14.20
WCC-1D	50.45	-17.55	-17.36	-16.79	-16.60	-16.31	-16.15	-15.73	-15.65	-15.34	-14.87
WCC-3D	51.18	-17.42	-17.27	-16.67	-16.47	-16.17	-15.95	-15.57	-15.5	-15.21	-13.72
MW-8[4]	49.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA[5]
MW-9[4]	48.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18[4]	50.29	NA	NA	-18.91	NA	NA	NA	NA	NA	NA	NA
MW-19[4]	46.55	NA	NA	-18.06	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Reference point is north side, top of well casing
2. Reference point elevation measured by Hargis + Associates, Inc.
3. Well WCC-6S could not be opened on 20 September 1995. The water level elevation shown was measured on 6 September 1995.
4. Installed by Hargis + Associates, Inc. for Montrose Chemical Corporation
5. NA - Not Available
6. Data taken from Woodward-Clyde Consultants Phase II Report, May 1988.
7. Data talen from Woodward-Clyde Consultants Phase III Report, May 1990.
8. Water Level Elevation not measured due to wellhead obstructions.

BOE-C6-0097029

TABLE 4

SUMMARY OF GROUNDWATER ELEVATION DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FIRST QUARTER, 1997
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 944016.02

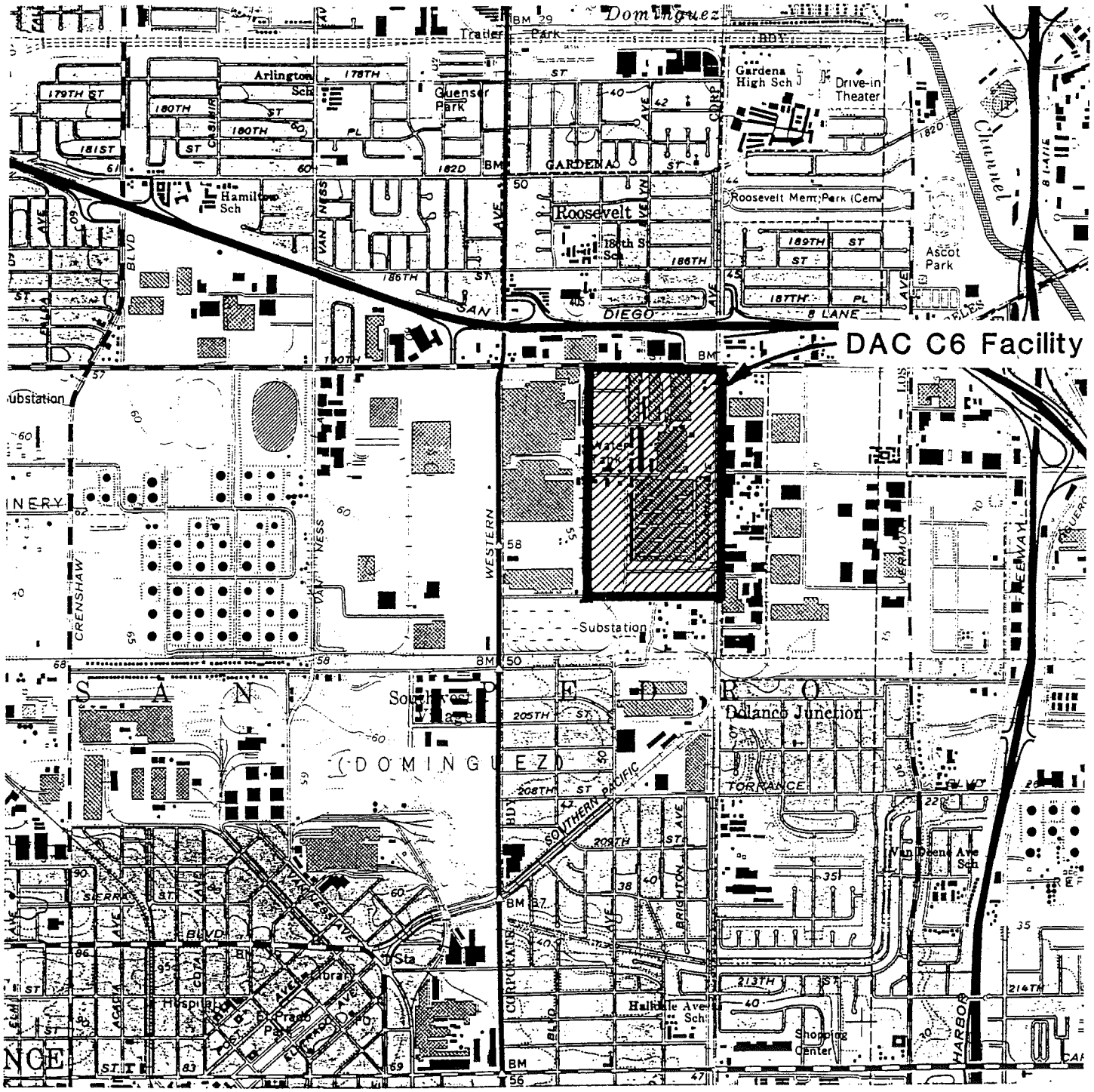
Observation Well	Reference Point[1] Elevation (Feet Above MSL)[2]	Water Level Elevation (Feet Above Mean Sea Level)											
		11/13/87[6]	10/18/89[7]	6/15/92	9/21/92	1/5/93	4/9/93	6/7/93	8/24/93	11/18/93	2/23/94	6/10/94	9/8/94
WCC-1S	50.7	-21.63	-19.48	-19.2	-19.42	-19.34	-18.79	-18.75	-18.25	-18	-17.61	-17.23	-17.25
WCC-2S	50.59	-19.72	-19.06	-19.15	-19.41	-19.51	-18.64	-18.63	-18.15	-17.87	-17.49	-17.07	-17.2
WCC-3S	51.19	-21.56	-19.42	-19.24	-19.52	-19.73	-18.83	-18.82	-18.36	-18.01	-17.67	-17.19	-17.31
WCC-4S	49.69	-21.77	-19.59	-19.22	-19.49	-19.34	-18.86	-18.78	-18.37	-18.16	-17.77	-17.32	-17.37
WCC-5S	48.22	NA[5]	-19.7	-19.13	-19.42	-19.32	-18.83	-18.78	-18.38	-18.13	-17.78	-17.33	-17.33
WCC-6S	50.95	NA	-19.7	-19.4	-19.64	-19.5	-19.03	-18.97	-18.55	-18.32	-17.92	-17.48	NM[8]
WCC-7S	48.29	NA	-20.07	-19.63	-19.93	-19.76	-19.3	-19.23	-18.83	-18.6	-18.22	-17.82	-17.8
WCC-8S	50.56	NA	-19.35	-19.11	-19.34	-19.19	-18.69	-18.61	-18.19	-17.89	-17.49	-17.11	-17.14
WCC-9S	47.01	NA	-20.07	-19.44	-19.66	-19.56	-19.09	-19.09	-18.69	-18.42	-18.09	-18.63	-19.08
WCC-10S	51.12	NA	-18.42	-18.94	-19.33	-19.1	-18.42	-18.33	-17.83	-17.54	-17.07	-16.67	-17.03
WCC-11S	49.97	NA	NA	-17.62	-18.81	-18.69	-18.13	-18.04	-17.6	-17.36	-16.96	-16.45	-16.58
WCC-12S	46.92	NA	NA	-19.6	-19.9	-19.74	-19.26	-19.2	-18.78	-18.58	-18.13	-17.74	-17.79
DAC-P1	52.44	NA	NA	-17.76	-17.88	-18.02	-17.46	-17.38	-17.03	-16.76	-16.74	-16.6	-16.48
WCC-1D	50.45	NA	-19.51	-19.55	-19.92	-19.61	-19.1	-19	-18.53	-18.34	-17.83	-17.47	-17.66
WCC-3D	51.18	NA	-19.38	-19.39	-19.71	-20.52	-18.87	-18.85	-18.4	-18.18	-18	-17.39	-17.47
MW-8[4]	49.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA[6]	NA	NA
MW-9[4]	48.67	NA	NA	NA	NA	NA	NA	-20.58	NA	NA	NA	NA	NA
MW-18[4]	50.29	NA	NA	NA	NA	NA	NA	-20.88	NA	NA	NA	NA	NA
MW-19[4]	46.55	NA	NA	NA	NA	NA	NA	-20.13	NA	NA	NA	NA	NA

Notes:

1. Reference point is north side, top of well casing
2. Reference point elevation measured by Hargis + Associates, Inc.
3. Well WCC-6S could not be opened on 20 September 1995. The water level elevation shown was measured on 6 September 1995.
4. Installed by Hargis + Associates, Inc. for Montrose Chemical Corporation
5. NA - Not Available
6. Data taken from Woodward-Clyde Consultants Phase II Report, May 1988.
7. Data talen from Woodward-Clyde Consultants Phase III Report, May 1990.
8. Water Level Elevation not measured due to wellhead obstructions.

BOE-C6-0097030

FIGURES



N

0 1,000 2,000 FEET

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

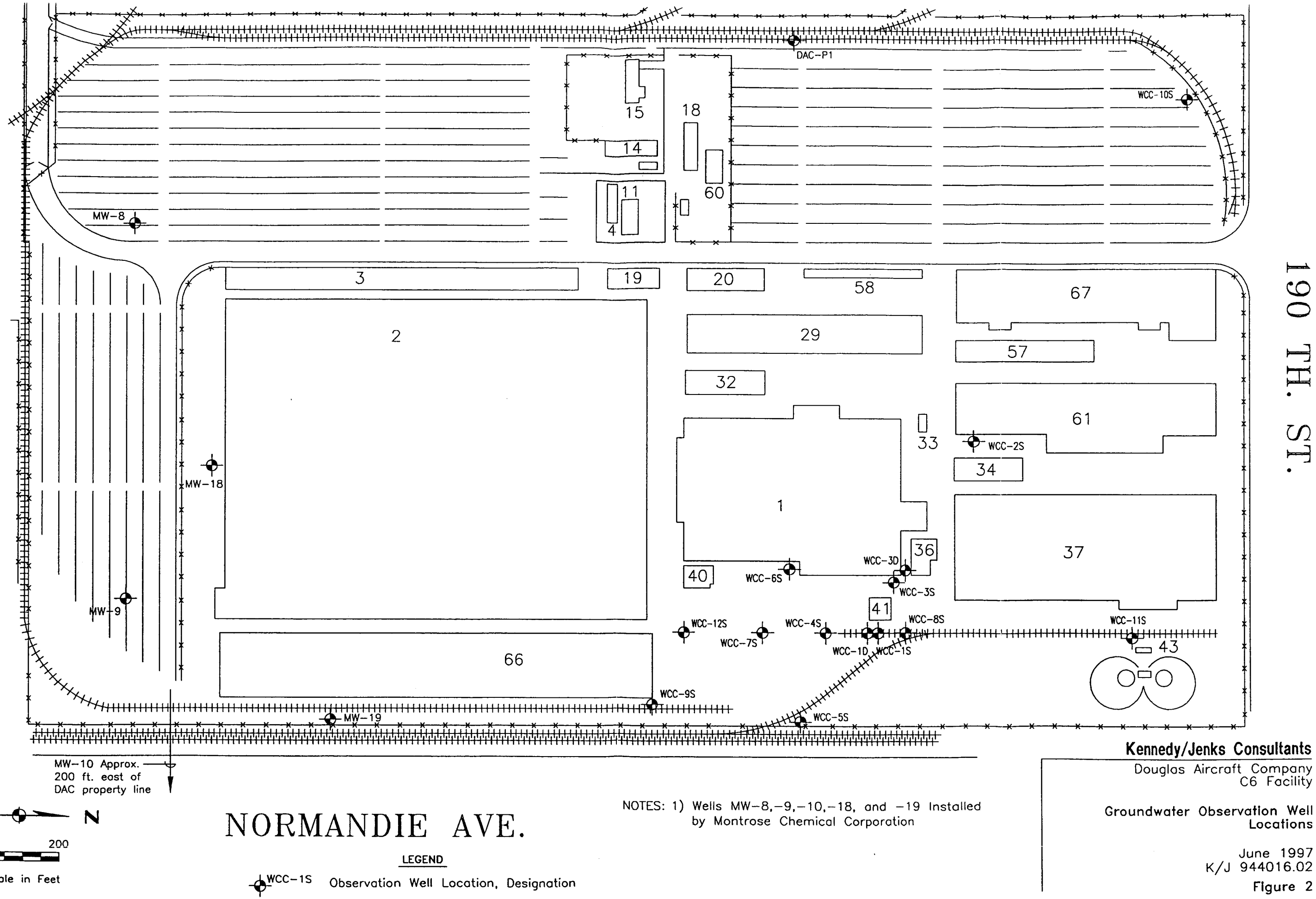
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Site Vicinity Map

June 1997
K/J 944016.02

Figure 1



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

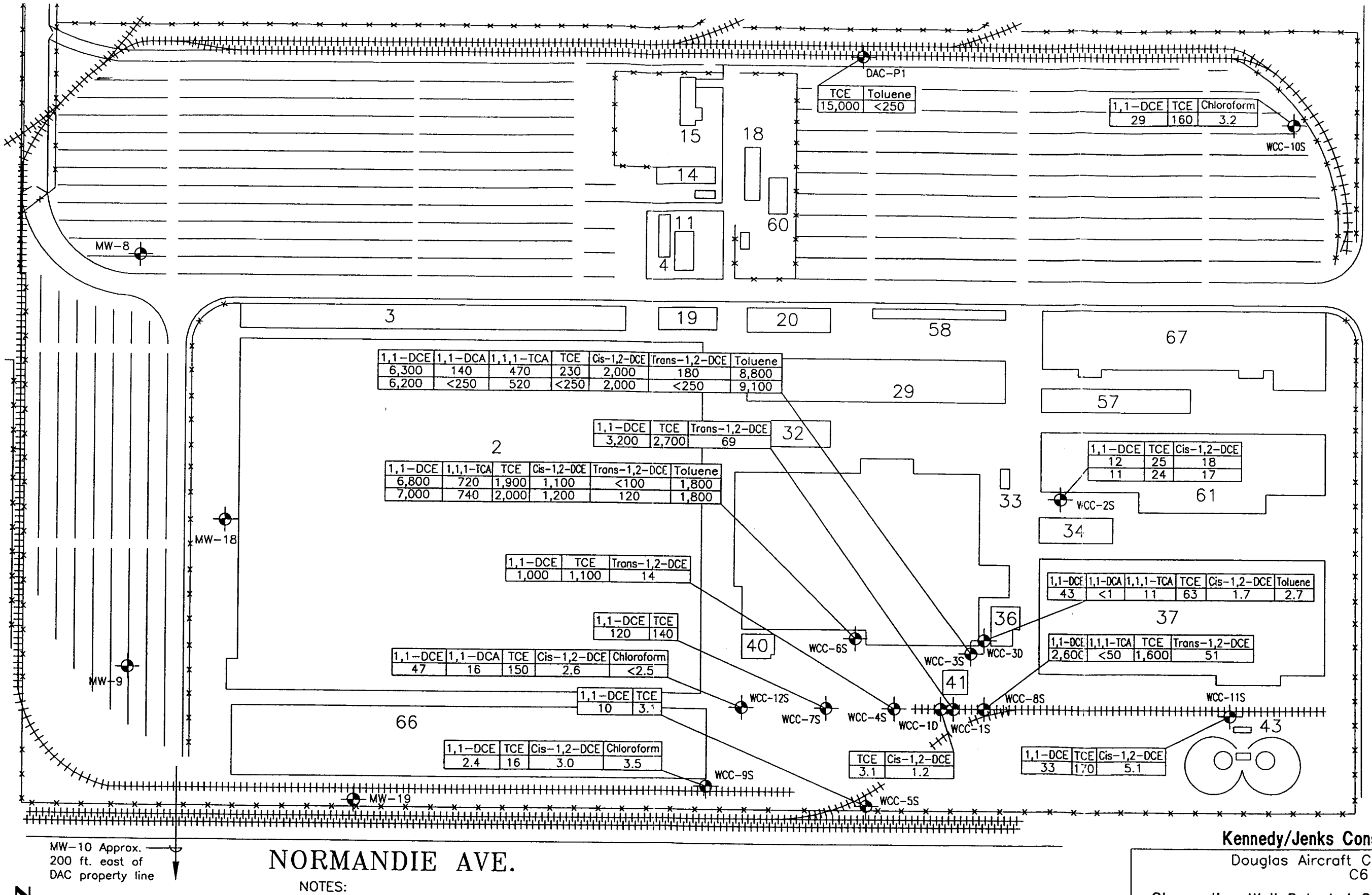
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Groundwater Observation Well Locations

June 1997
K/J 944016.02

Figure 2



NOTES:

1. Samples Analyzed by EPA Method 8240/8260
2. All Results Reported in ug/l (ppb)
3. Wells MW-8,-9,-10,-18 and -19 Installed by Montrose Chemical Corporation and are not sampled by Douglas Aircraft Co.
4. Duplicate samples were analyzed for wells WCC-2S WCC-3S and WCC-6S. Original/Duplicate
5. <5=compound not detected at a quantitation limit of 5 ug/l. Nondetects posted only for VOCs detected in the well in the previous sample round. Figure shows only major constituents listed in Table 2.

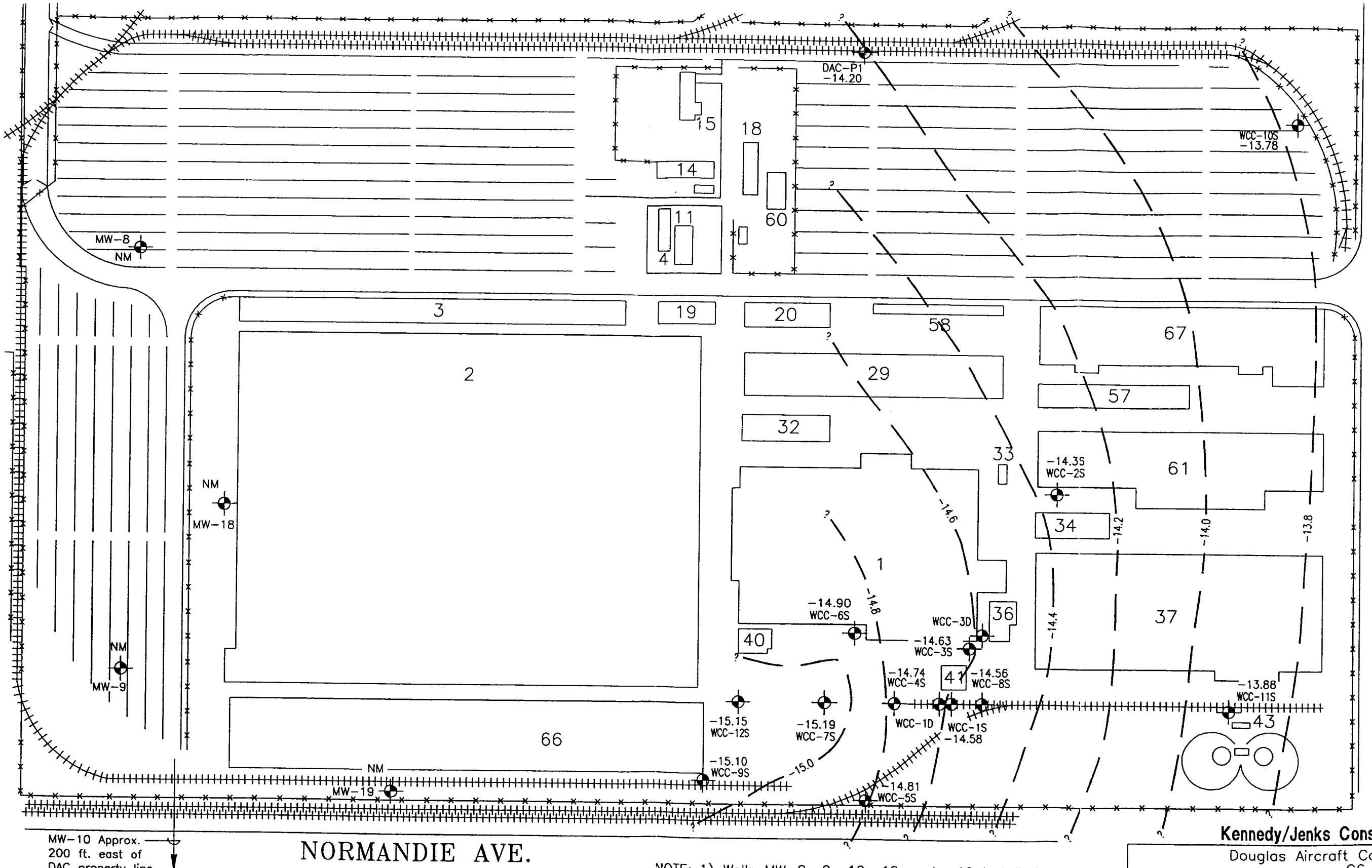
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Observation Well Detected Chemical Concentrations May 1997 Sampling Event

June 1997
K/J 944016.02
Figure 3

BOE-C6-0097034



LEGEND

WCC-1S -15.47 — Observation Well Location, Designation and groundwater elevation, feet MSL, measured 5/6/97.

-15.0 ? — Groundwater Elevation contours, dashed where inferred, queried where uncertain.

NM — Not Measured

NOTE:
1) Wells MW-8,-9,-10,-18, and -19 Installed by Montrose Chemical Corporation
2) Contour Interval = 0.2 feet
3) Wells WCC-3D and WCC-1D are screened across the deeper zone. Therefore, their water elevations are not included.

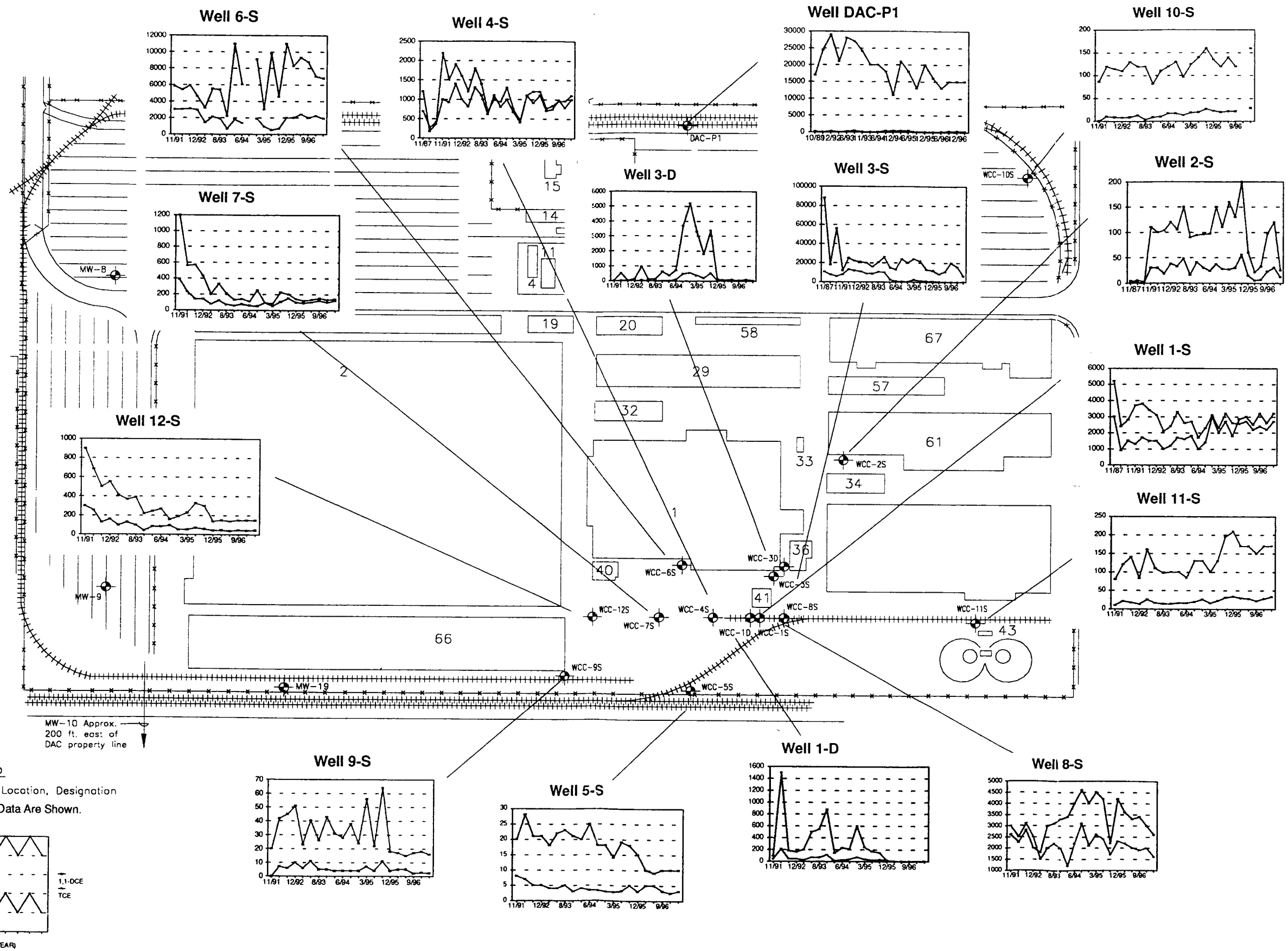
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Estimated Groundwater Elevation Contour Map, Shallow Zone, May 1997

June 1997
K/J 944016.02

Figure 4



Douglas Aircraft Company
C-6 Facility
Torrance, California

Kennedy/Jenks Consultants
Irvine, California

Submitted:
Approved:

CHEMICAL CONCENTRATION PROFILES
November 1991 to May 1997

Rev'd	By	Date	Description

Scale: AS NOTED
Job No. 944016.02
CADD File No.
Designed
Drawn
Checked
Date
Sheet 5

BOE-C6-0097036

APPENDIX A

LABORATORY DATA SHEETS

Quanterra Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

May 29, 1997

KENNEDY/JENKS CONSULTANTS
2151 MICHELSON DRIVE
SUITE 100
IRVINE, CA 92612
ATTN: MR. RUS PURCELL

LIMS NO.: 125886-0001/0020
DATE SAMPLED: 7/8/9-MAY-1997
DATE SAMPLE REC'D: 9-MAY-1997
PROJECT: DAC

Enclosed with this letter is the report containing the analytical results for the project specified above.

The Narrative section included in the following attachment provides a detailed description of all events that occurred during sample processing, analysis, and data review as applicable to the samples and analytical methods requested.

Report data sheets contain a list of the requested constituents measured in each test, the analytical results, and the standard reporting limits (RLs). Reporting limits are adjusted to reflect any dilution or dry weight correction, when applicable. Also provided in this report are the LIMS Report Key and the terms and abbreviations commonly used in our reports.

Preliminary data were provided via fax to Rus Purcell on May 23,1997.

The report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions regarding the data provided in this report, please call Pat Abe at (714) 258-8610. Release of this report has been authorized by the Lab Director or the designee as demonstrated by the following signature.

Sincerely,

Pat Abe
Project Manager

cc: Project File

LIMS REPORT KEY

Section	Description
Cover letter	Signature page, report narrative as applicable.
Sample Description Information	Tabulated cross-reference between the Lab ID and Client ID, including matrix, date and time sampled and the date received for all samples in the project.
Sample Analysis Results Sheets	Lists sample results, test components, reporting limits, dates prepared and analyzed and any data qualifiers. Pages are organized by test.
QC Lot Assignment Report	Cross-reference between lab IDs and applicable QC batches (DCS, LCS, SCS, Blank, MS/SD, DU)
Duplicate Control Sample Report	Percent recovery and RPD results, with acceptance limits, for the laboratory Duplicate Control Samples for each test are tabulated in this report. These are measures of accuracy and precision for each test.
Laboratory Control Sample Report	Percent recovery results for a single Laboratory Control Sample (if applicable) are tabulated in this report, with the applicable acceptance limits for each test.
Matrix Spike/Matrix Spike Duplicate Report	Percent recovery and RPD results for matrix-specific QC samples and acceptance limits, where applicable. This report can be used to assess matrix effects on an analysis.
Single Control Sample Report	A tabulation of the surrogate recoveries for the blank for organic analyses.
Method Blank Report	A summary of the results of the analysis of the method blank for each test.

List of Abbreviations and Terms

DCS	Duplicate Control Sample	MSD	Matrix Spike Duplicate
DU	Sample Duplicate	QC Run	Preparation batch
EB	Equipment Blank	QC Category	LIMS QC Category
FB	Field Blank	QC Lot	DCS batch
FD	Field Duplicate	ND	Not Detected at the reporting limit expressed
IDL	Instrument Detection Limit	QC Matrix	Matrix of the laboratory control sample (s)
LCS	Laboratory Control Sample	RL	Reporting Limit
MB	Method Blank	QC	Quality Control
MDL	Method Detection Limit	SA	Sample
MS	Matrix Spike	SD	See MSD
RPD	Relative Percent Difference	TB	Trip Blank
ppm (parts-per-million)	mg/L or mg/kg	ppb (parts-per-billion)	µg/L or µg/kg
QUAL	Qualifier flag	DIL	Dilution Factor

Refer to the Quanterra Incorporated Quality Assurance Management Plan for detailed explanations of terms summarized above.

TABLE OF CONTENTS

LIMS # 125886

Cover Letter 1

LIMS Report Key 2

Table of Contents 3

Narrative 4

Chain-of-Custody Records and Sample Description Information

Analytical Results Summary (LIMS Report)

A. LIMS Datasheets
B. QC Summaries

CASE NARRATIVE

LIMS # 125886

I. CONDITION UPON RECEIPT

Cooler was received intact. The temperature of the cooler was 4.1 °C.

Sample containers were received intact. The VOA vials did not contain headspace. Sample container labels did agree with the COC as to sample ID, collection date/time and requested tests. Sample DUP-050897 was not listed on the chain of custody (COC) documentation; it was logged in as discussed with Rus Purcell on May 9, 1997.

Samples were received in time to meet the method holding time specifications.

II. ORGANIC ANALYSES (BY METHOD: SW8260)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blanks met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria. MS/MSD recoveries could not be calculated for 1,1-dichloroethene and toluene in MS Run 21 MAY 97-BCA due to high constituent levels in the sample.

SURROGATE RECOVERIES
All surrogate spike recoveries in samples and in QC samples met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy / Jenks	Rus Purcell	5/6/97	72881
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
2151 Michelson Dr. Suite 100	714-261-1577	125886	Page 1 of 2

City	State	Zip Code	Site Contact	Lab Contact
Irvine	CA.	92612		

Project Name	Carrier/Waybill Number
DAC	

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): 8260	Special Instructions/ Conditions of Receipt
WCC5S-18	5-7-97	1120	X							X				X	
WCC9S-18	"	1312	X							X				X	
WCC1D-18	"	1445	X							X				X	
WCC10S-18	"	1528	X							X				X	
WCC2S-18	"	1615	X							X				X	
Dup-050797	"	—	X							X				X	
TB-050797	"	—	X							X				X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-9-97	1035	1. Received By	5-9-97	1035
2. Relinquished By	5-9-97	1225	2. Received By	5-9-97	1225
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0097042

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy / Jenks	Rus Purcell	5-8-97	72882
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
2151 Michelson Dr. Suite 100	714-261-1577	125886	Page 2 of 2
City / **State** / **Zip Code**	**Site Contact** / **Lab Contact**		
Irvine / CA. / 92612			
Project Name	**Carrier/Waybill Number**		
DAC			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis: 8260	Special Instructions/ Conditions of Receipt
WCC11S-18	5-8-97	0805	X							X				X	
WCC12S-18	"	0905	X							X				X	
WCC7S-18	"	0948	X							X				X	
WCC8S-18	"	1040	X							X				X	
WCC4S-18	"	1140	X							X				X	
WCC1S-18	"	1355	X							X				X	
WCC3D-18	"	1530	X							X				X	
WCC3S-18	"	1600	X							X				X	
WCC6S-18	5-9-97	0830	X							X				X	
DACP1-18 9 SLS	"	0950	X							X				X	
Dup-050897	"	—	X							X				X	
EB-050997	"	0901	X							X				X	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By [signature]	5-9-97	1035	1. Received By P Bautista	5-9-97	1035
2. Relinquished By P Bautista	5-9-97	1225	2. Received By [signature]	5-9-97	1225
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0097043

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
125886-0001-SA	WCC5S-18	WATER	07 MAY 97	11:20	09 MAY 97
125886-0002-SA	WCC9S-18	WATER	07 MAY 97	13:12	09 MAY 97
125886-0003-SA	WCC1D-18	WATER	07 MAY 97	14:45	09 MAY 97
125886-0004-SA	WCC10S-18	WATER	07 MAY 97	15:28	09 MAY 97
125886-0005-SA	WCC2S-18	WATER	07 MAY 97	16:15	09 MAY 97
125886-0006-FD	DUP-050797	WATER	07 MAY 97		09 MAY 97
125886-0007-TB	TB-050797	WATER-QA	07 MAY 97		09 MAY 97
125886-0008-SA	WCC11S-18	WATER	08 MAY 97	08:05	09 MAY 97
125886-0009-SA	WCC12S-18	WATER	08 MAY 97	09:05	09 MAY 97
125886-0010-SA	WCC7S-18	WATER	08 MAY 97	09:48	09 MAY 97
125886-0011-SA	WCC8S-18	WATER	08 MAY 97	10:40	09 MAY 97
125886-0012-SA	WCC4S-18	WATER	08 MAY 97	11:40	09 MAY 97
125886-0013-SA	WCC1S-18	WATER	08 MAY 97	13:55	09 MAY 97
125886-0014-SA	WCC3D-18	WATER	08 MAY 97	15:30	09 MAY 97
125886-0015-SA	WCC3S-18	WATER	08 MAY 97	16:00	09 MAY 97
125886-0016-SA	WCC6S-18	WATER	09 MAY 97	08:30	09 MAY 97
125886-0017-SA	DACP1-18	WATER	09 MAY 97	09:50	09 MAY 97
125886-0018-FD	DUP-050997	WATER	09 MAY 97		09 MAY 97
125886-0019-TB	EB-050997	WATER-QA	09 MAY 97	09:01	09 MAY 97
125886-0020-FD	DUP-050897	WATER	08 MAY 97		09 MAY 97

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC5S-18
LAB ID: 125886-0001-SA
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 16 MAY 97 Analyzed: 16 MAY 97
Instrument: GC/MS-MD Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1.0	ug/L
Chloromethane	ND		1.0	ug/L
Vinyl chloride	ND		1.0	ug/L
Bromomethane	ND		1.0	ug/L
Chloroethane	ND		1.0	ug/L
Trichlorofluoromethane	ND		1.0	ug/L
1,1-Dichloroethene	10		1.0	ug/L
Methylene chloride	ND		1.0	ug/L
trans-1,2-Dichloroethene	ND		1.0	ug/L
1,1-Dichloroethane	ND		1.0	ug/L
2,2-Dichloropropane	ND		1.0	ug/L
cis-1,2-Dichloroethene	ND		1.0	ug/L
Chloroform	ND		1.0	ug/L
Bromochloromethane	ND		1.0	ug/L
1,1,1-Trichloroethane	ND		1.0	ug/L
1,1-Dichloropropene	ND		1.0	ug/L
Carbon tetrachloride	ND		1.0	ug/L
1,2-Dichloroethane	ND		1.0	ug/L
Benzene	ND		1.0	ug/L
Trichloroethene	3.1		1.0	ug/L
1,2-Dichloropropane	ND		1.0	ug/L
Bromodichloromethane	ND		1.0	ug/L
Dibromomethane	ND		1.0	ug/L
Toluene	ND		1.0	ug/L
1,1,2-Trichloroethane	ND		1.0	ug/L
1,2-Dibromoethane (EDB)	ND		1.0	ug/L
1,3-Dichloropropane	ND		1.0	ug/L
Tetrachloroethene	ND		1.0	ug/L
Dibromochloromethane	ND		1.0	ug/L
Chlorobenzene	ND		1.0	ug/L
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L
Ethylbenzene	ND		1.0	ug/L
Xylenes (total)	ND		1.0	ug/L
Styrene	ND		1.0	ug/L
Bromoform	ND		1.0	ug/L
1-Methylethylbenzene	1.2		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L
1,2,3-Trichloropropane	ND		1.0	ug/L
n-Propylbenzene	ND		1.0	ug/L
Bromobenzene	ND		1.0	ug/L
1,3,5-Trimethylbenzene	ND		1.0	ug/L
2-Chlorotoluene	ND		1.0	ug/L
4-Chlorotoluene	ND		1.0	ug/L
tert-Butylbenzene	ND		1.0	ug/L
1,2,4-Trimethylbenzene	ND		1.0	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC5S-18
LAB ID: 125886-0001-SA
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 16 MAY 97 Analyzed: 16 MAY 97
Instrument: GC/MS-MD Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		1.0	ug/L
Isopropyltoluene	ND		1.0	ug/L
1,3-Dichlorobenzene	ND		1.0	ug/L
1,4-Dichlorobenzene	ND		1.0	ug/L
n-Butylbenzene	ND		1.0	ug/L
1,2-Dichlorobenzene	ND		1.0	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		1.0	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		1.0	ug/L
Naphthalene	ND		1.0	ug/L
1,2,3-Trichlorobenzene	ND		1.0	ug/L
Acetone	ND		10	ug/L
2-Butanone	ND		10	ug/L
4-Methyl-2-pentanone	ND		10	ug/L
2-Hexanone	ND		10	ug/L
Carbon disulfide	ND		5.0	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	94	%	80 - 120
Toluene-d8	99	%	88 - 110
Bromofluorobenzene	98	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC9S-18
LAB ID: 125886-0002-SA
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 16 MAY 97 Analyzed: 16 MAY 97
Instrument: GC/MS-MD Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1.0	ug/L
Chloromethane	ND		1.0	ug/L
Vinyl chloride	ND		1.0	ug/L
Bromomethane	ND		1.0	ug/L
Chloroethane	ND		1.0	ug/L
Trichlorofluoromethane	ND		1.0	ug/L
1,1-Dichloroethene	2.4		1.0	ug/L
Methylene chloride	ND		1.0	ug/L
trans-1,2-Dichloroethene	ND		1.0	ug/L
1,1-Dichloroethane	ND		1.0	ug/L
2,2-Dichloropropane	ND		1.0	ug/L
cis-1,2-Dichloroethene	3.0		1.0	ug/L
Chloroform	3.5		1.0	ug/L
Bromochloromethane	ND		1.0	ug/L
1,1,1-Trichloroethane	ND		1.0	ug/L
1,1-Dichloropropene	ND		1.0	ug/L
Carbon tetrachloride	ND		1.0	ug/L
1,2-Dichloroethane	ND		1.0	ug/L
Benzene	ND		1.0	ug/L
Trichloroethene	16		1.0	ug/L
1,2-Dichloropropane	ND		1.0	ug/L
Bromodichloromethane	ND		1.0	ug/L
Dibromomethane	ND		1.0	ug/L
Toluene	ND		1.0	ug/L
1,1,2-Trichloroethane	ND		1.0	ug/L
1,2-Dibromoethane (EDB)	ND		1.0	ug/L
1,3-Dichloropropane	ND		1.0	ug/L
Tetrachloroethene	ND		1.0	ug/L
Dibromochloromethane	ND		1.0	ug/L
Chlorobenzene	ND		1.0	ug/L
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L
Ethylbenzene	ND		1.0	ug/L
Xylenes (total)	ND		1.0	ug/L
Styrene	ND		1.0	ug/L
Bromoform	ND		1.0	ug/L
1-Methylethylbenzene	1.0		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L
1,2,3-Trichloropropane	ND		1.0	ug/L
n-Propylbenzene	ND		1.0	ug/L
Bromobenzene	ND		1.0	ug/L
1,3,5-Trimethylbenzene	ND		1.0	ug/L
2-Chlorotoluene	ND		1.0	ug/L
4-Chlorotoluene	ND		1.0	ug/L
tert-Butylbenzene	ND		1.0	ug/L
1,2,4-Trimethylbenzene	ND		1.0	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC9S-18
LAB ID: 125886-0002-SA
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 16 MAY 97 Analyzed: 16 MAY 97
Instrument: GC/MS-MD Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		1.0	ug/L
Isopropyltoluene	ND		1.0	ug/L
1,3-Dichlorobenzene	ND		1.0	ug/L
1,4-Dichlorobenzene	ND		1.0	ug/L
n-Butylbenzene	ND		1.0	ug/L
1,2-Dichlorobenzene	ND		1.0	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		1.0	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		1.0	ug/L
Naphthalene	ND		1.0	ug/L
1,2,3-Trichlorobenzene	ND		1.0	ug/L
Acetone	ND		10	ug/L
2-Butanone	ND		10	ug/L
4-Methyl-2-pentanone	ND		10	ug/L
2-Hexanone	ND		10	ug/L
Carbon disulfide	ND		5.0	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	90	%	80 - 120
Toluene-d8	96	%	88 - 110
Bromofluorobenzene	93	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC1D-18
LAB ID: 125886-0003-SA
Matrix: WATER
Authorized: 09 MAY 97
Instrument: GC/MS-MD

Sampled: 07 MAY 97
Prepared: 16 MAY 97
Dilution: 1.0

Received: 09 MAY 97
Analyzed: 16 MAY 97

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1.0	ug/L
Chloromethane	ND		1.0	ug/L
Vinyl chloride	ND		1.0	ug/L
Bromomethane	ND		1.0	ug/L
Chloroethane	ND		1.0	ug/L
Trichlorofluoromethane	ND		1.0	ug/L
1,1-Dichloroethene	ND		1.0	ug/L
Methylene chloride	ND		1.0	ug/L
trans-1,2-Dichloroethene	ND		1.0	ug/L
1,1-Dichloroethane	ND		1.0	ug/L
2,2-Dichloropropane	ND		1.0	ug/L
cis-1,2-Dichloroethene	1.2		1.0	ug/L
Chloroform	ND		1.0	ug/L
Bromochloromethane	ND		1.0	ug/L
1,1,1-Trichloroethane	ND		1.0	ug/L
1,1-Dichloropropene	ND		1.0	ug/L
Carbon tetrachloride	ND		1.0	ug/L
1,2-Dichloroethane	ND		1.0	ug/L
Benzene	ND		1.0	ug/L
Trichloroethene	3.1		1.0	ug/L
1,2-Dichloropropane	ND		1.0	ug/L
Bromodichloromethane	ND		1.0	ug/L
Dibromomethane	ND		1.0	ug/L
Toluene	ND		1.0	ug/L
1,1,2-Trichloroethane	ND		1.0	ug/L
1,2-Dibromoethane (EDB)	ND		1.0	ug/L
1,3-Dichloropropane	ND		1.0	ug/L
Tetrachloroethene	ND		1.0	ug/L
Dibromochloromethane	ND		1.0	ug/L
Chlorobenzene	ND		1.0	ug/L
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L
Ethylbenzene	ND		1.0	ug/L
Xylenes (total)	ND		1.0	ug/L
Styrene	ND		1.0	ug/L
Bromoform	ND		1.0	ug/L
1-Methylethylbenzene	ND		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L
1,2,3-Trichloropropane	ND		1.0	ug/L
n-Propylbenzene	ND		1.0	ug/L
Bromobenzene	ND		1.0	ug/L
1,3,5-Trimethylbenzene	ND		1.0	ug/L
2-Chlorotoluene	ND		1.0	ug/L
4-Chlorotoluene	ND		1.0	ug/L
tert-Butylbenzene	ND		1.0	ug/L
1,2,4-Trimethylbenzene	ND		1.0	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC1D-18
LAB ID: 125886-0003-SA
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 16 MAY 97 Analyzed: 16 MAY 97
Instrument: GC/MS-MD Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		1.0	ug/L
Isopropyltoluene	ND		1.0	ug/L
1,3-Dichlorobenzene	ND		1.0	ug/L
1,4-Dichlorobenzene	ND		1.0	ug/L
n-Butylbenzene	ND		1.0	ug/L
1,2-Dichlorobenzene	ND		1.0	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		1.0	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		1.0	ug/L
Naphthalene	ND		1.0	ug/L
1,2,3-Trichlorobenzene	ND		1.0	ug/L
Acetone	ND		10	ug/L
2-Butanone	ND		10	ug/L
4-Methyl-2-pentanone	ND		10	ug/L
2-Hexanone	ND		10	ug/L
Carbon disulfide	ND		5.0	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	91	%	80 - 120
Toluene-d8	95	%	88 - 110
Bromofluorobenzene	93	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC10S-18
LAB ID: 125886-0004-SA
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 16 MAY 97 Analyzed: 16 MAY 97
Instrument: GC/MS-MD Dilution: 2.5

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.5	ug/L
Chloromethane	ND		2.5	ug/L
Vinyl chloride	ND		2.5	ug/L
Bromomethane	ND		2.5	ug/L
Chloroethane	ND		2.5	ug/L
Trichlorofluoromethane	ND		2.5	ug/L
1,1-Dichloroethene	29		2.5	ug/L
Methylene chloride	ND		2.5	ug/L
trans-1,2-Dichloroethene	ND		2.5	ug/L
1,1-Dichloroethane	ND		2.5	ug/L
2,2-Dichloropropane	ND		2.5	ug/L
cis-1,2-Dichloroethene	ND		2.5	ug/L
Chloroform	3.2		2.5	ug/L
Bromochloromethane	ND		2.5	ug/L
1,1,1-Trichloroethane	ND		2.5	ug/L
1,1-Dichloropropene	ND		2.5	ug/L
Carbon tetrachloride	ND		2.5	ug/L
1,2-Dichloroethane	ND		2.5	ug/L
Benzene	ND		2.5	ug/L
Trichloroethene	160		2.5	ug/L
1,2-Dichloropropane	ND		2.5	ug/L
Bromodichloromethane	ND		2.5	ug/L
Dibromomethane	ND		2.5	ug/L
Toluene	ND		2.5	ug/L
1,1,2-Trichloroethane	ND		2.5	ug/L
1,2-Dibromoethane (EDB)	ND		2.5	ug/L
1,3-Dichloropropane	ND		2.5	ug/L
Tetrachloroethene	ND		2.5	ug/L
Dibromochloromethane	ND		2.5	ug/L
Chlorobenzene	ND		2.5	ug/L
1,1,1,2-Tetrachloroethane	ND		2.5	ug/L
Ethylbenzene	ND		2.5	ug/L
Xylenes (total)	ND		2.5	ug/L
Styrene	ND		2.5	ug/L
Bromoform	ND		2.5	ug/L
1-Methylethylbenzene	ND		2.5	ug/L
1,1,2,2-Tetrachloroethane	ND		2.5	ug/L
1,2,3-Trichloropropane	ND		2.5	ug/L
n-Propylbenzene	ND		2.5	ug/L
Bromobenzene	ND		2.5	ug/L
1,3,5-Trimethylbenzene	ND		2.5	ug/L
2-Chlorotoluene	ND		2.5	ug/L
4-Chlorotoluene	ND		2.5	ug/L
tert-Butylbenzene	ND		2.5	ug/L
1,2,4-Trimethylbenzene	ND		2.5	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC10S-18
LAB ID: 125886-0004-SA
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 16 MAY 97 Analyzed: 16 MAY 97
Instrument: GC/MS-MD Dilution: 2.5

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		2.5	ug/L
Isopropyltoluene	ND		2.5	ug/L
1,3-Dichlorobenzene	ND		2.5	ug/L
1,4-Dichlorobenzene	ND		2.5	ug/L
n-Butylbenzene	ND		2.5	ug/L
1,2-Dichlorobenzene	ND		2.5	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		2.5	ug/L
1,2,4-Trichlorobenzene	ND		2.5	ug/L
Hexachlorobutadiene	ND		2.5	ug/L
Naphthalene	ND		2.5	ug/L
1,2,3-Trichlorobenzene	ND		2.5	ug/L
Acetone	ND		25	ug/L
2-Butanone	ND		25	ug/L
4-Methyl-2-pentanone	ND		25	ug/L
2-Hexanone	ND		25	ug/L
Carbon disulfide	ND		12	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	99	%	80 - 120
Toluene-d8	101	%	88 - 110
Bromofluorobenzene	99	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC2S-18
LAB ID: 125886-0005-SA
Matrix: WATER
Authorized: 09 MAY 97
Instrument: GC/MS-MD

Sampled: 07 MAY 97
Prepared: 17 MAY 97
Dilution: 1.0

Received: 09 MAY 97
Analyzed: 17 MAY 97

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1.0	ug/L
Chloromethane	ND		1.0	ug/L
Vinyl chloride	ND		1.0	ug/L
Bromomethane	ND		1.0	ug/L
Chloroethane	ND		1.0	ug/L
Trichlorofluoromethane	ND		1.0	ug/L
1,1-Dichloroethene	12		1.0	ug/L
Methylene chloride	ND		1.0	ug/L
trans-1,2-Dichloroethene	ND		1.0	ug/L
1,1-Dichloroethane	ND		1.0	ug/L
2,2-Dichloropropane	ND		1.0	ug/L
cis-1,2-Dichloroethene	18		1.0	ug/L
Chloroform	ND		1.0	ug/L
Bromochloromethane	ND		1.0	ug/L
1,1,1-Trichloroethane	ND		1.0	ug/L
1,1-Dichloropropene	ND		1.0	ug/L
Carbon tetrachloride	ND		1.0	ug/L
1,2-Dichloroethane	ND		1.0	ug/L
Benzene	ND		1.0	ug/L
Trichloroethene	25		1.0	ug/L
1,2-Dichloropropane	ND		1.0	ug/L
Bromodichloromethane	ND		1.0	ug/L
Dibromomethane	ND		1.0	ug/L
Toluene	ND		1.0	ug/L
1,1,2-Trichloroethane	ND		1.0	ug/L
1,2-Dibromoethane (EDB)	ND		1.0	ug/L
1,3-Dichloropropane	ND		1.0	ug/L
Tetrachloroethene	ND		1.0	ug/L
Dibromochloromethane	ND		1.0	ug/L
Chlorobenzene	ND		1.0	ug/L
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L
Ethylbenzene	ND		1.0	ug/L
Xylenes (total)	ND		1.0	ug/L
Styrene	ND		1.0	ug/L
Bromoform	ND		1.0	ug/L
1-Methylethylbenzene	ND		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L
1,2,3-Trichloropropane	ND		1.0	ug/L
n-Propylbenzene	ND		1.0	ug/L
Bromobenzene	ND		1.0	ug/L
1,3,5-Trimethylbenzene	ND		1.0	ug/L
2-Chlorotoluene	ND		1.0	ug/L
4-Chlorotoluene	ND		1.0	ug/L
tert-Butylbenzene	ND		1.0	ug/L
1,2,4-Trimethylbenzene	ND		1.0	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC2S-18
LAB ID: 125886-0005-SA
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 17 MAY 97 Analyzed: 17 MAY 97
Instrument: GC/MS-MD Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		1.0	ug/L
Isopropyltoluene	ND		1.0	ug/L
1,3-Dichlorobenzene	ND		1.0	ug/L
1,4-Dichlorobenzene	ND		1.0	ug/L
n-Butylbenzene	ND		1.0	ug/L
1,2-Dichlorobenzene	ND		1.0	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		1.0	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		1.0	ug/L
Naphthalene	ND		1.0	ug/L
1,2,3-Trichlorobenzene	ND		1.0	ug/L
Acetone	ND		10	ug/L
2-Butanone	ND		10	ug/L
4-Methyl-2-pentanone	ND		10	ug/L
2-Hexanone	ND		10	ug/L
Carbon disulfide	ND		5.0	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	105	%	80 - 120
Toluene-d8	107	%	88 - 110
Bromofluorobenzene	105	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name:	Kennedy/Jenks Consultants		
Client ID:	DUP-050797		
LAB ID:	125886-0006-FD		
Matrix:	WATER	Sampled: 07 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 17 MAY 97	Analyzed: 17 MAY 97
Instrument:	GC/MS-MD	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1.0	ug/L
Chloromethane	ND		1.0	ug/L
Vinyl chloride	ND		1.0	ug/L
Bromomethane	ND		1.0	ug/L
Chloroethane	ND		1.0	ug/L
Trichlorofluoromethane	ND		1.0	ug/L
1,1-Dichloroethene	11		1.0	ug/L
Methylene chloride	ND		1.0	ug/L
trans-1,2-Dichloroethene	ND		1.0	ug/L
1,1-Dichloroethane	ND		1.0	ug/L
2,2-Dichloropropane	ND		1.0	ug/L
cis-1,2-Dichloroethene	17		1.0	ug/L
Chloroform	ND		1.0	ug/L
Bromochloromethane	ND		1.0	ug/L
1,1,1-Trichloroethane	ND		1.0	ug/L
1,1-Dichloropropene	ND		1.0	ug/L
Carbon tetrachloride	ND		1.0	ug/L
1,2-Dichloroethane	ND		1.0	ug/L
Benzene	ND		1.0	ug/L
Trichloroethene	24		1.0	ug/L
1,2-Dichloropropane	ND		1.0	ug/L
Bromodichloromethane	ND		1.0	ug/L
Dibromomethane	ND		1.0	ug/L
Toluene	ND		1.0	ug/L
1,1,2-Trichloroethane	ND		1.0	ug/L
1,2-Dibromoethane (EDB)	ND		1.0	ug/L
1,3-Dichloropropane	ND		1.0	ug/L
Tetrachloroethene	ND		1.0	ug/L
Dibromochloromethane	ND		1.0	ug/L
Chlorobenzene	ND		1.0	ug/L
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L
Ethylbenzene	ND		1.0	ug/L
Xylenes (total)	ND		1.0	ug/L
Styrene	ND		1.0	ug/L
Bromoform	ND		1.0	ug/L
1-Methylethylbenzene	ND		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L
1,2,3-Trichloropropane	ND		1.0	ug/L
n-Propylbenzene	ND		1.0	ug/L
Bromobenzene	ND		1.0	ug/L
1,3,5-Trimethylbenzene	ND		1.0	ug/L
2-Chlorotoluene	ND		1.0	ug/L
4-Chlorotoluene	ND		1.0	ug/L
tert-Butylbenzene	ND		1.0	ug/L
1,2,4-Trimethylbenzene	ND		1.0	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: DUP-050797
LAB ID: 125886-0006-FD
Matrix: WATER Sampled: 07 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 17 MAY 97 Analyzed: 17 MAY 97
Instrument: GC/MS-MD Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		1.0	ug/L
Isopropyltoluene	ND		1.0	ug/L
1,3-Dichlorobenzene	ND		1.0	ug/L
1,4-Dichlorobenzene	ND		1.0	ug/L
n-Butylbenzene	ND		1.0	ug/L
1,2-Dichlorobenzene	ND		1.0	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		1.0	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		1.0	ug/L
Naphthalene	ND		1.0	ug/L
1,2,3-Trichlorobenzene	ND		1.0	ug/L
Acetone	ND		10	ug/L
2-Butanone	ND		10	ug/L
4-Methyl-2-pentanone	ND		10	ug/L
2-Hexanone	ND		10	ug/L
Carbon disulfide	ND		5.0	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	109	%	80 - 120
Toluene-d8	105	%	88 - 110
Bromofluorobenzene	106	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: TB-050797
LAB ID: 125886-0007-TB
Matrix: WATER-QA
Authorized: 09 MAY 97
Instrument: GC/MS-MD

Sampled: 07 MAY 97
Prepared: 16 MAY 97
Dilution: 1.0

Received: 09 MAY 97
Analyzed: 16 MAY 97

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1.0	ug/L
Chloromethane	ND		1.0	ug/L
Vinyl chloride	ND		1.0	ug/L
Bromomethane	ND		1.0	ug/L
Chloroethane	ND		1.0	ug/L
Trichlorofluoromethane	ND		1.0	ug/L
1,1-Dichloroethene	ND		1.0	ug/L
Methylene chloride	ND		1.0	ug/L
trans-1,2-Dichloroethene	ND		1.0	ug/L
1,1-Dichloroethane	ND		1.0	ug/L
2,2-Dichloropropane	ND		1.0	ug/L
cis-1,2-Dichloroethene	ND		1.0	ug/L
Chloroform	ND		1.0	ug/L
Bromochloromethane	ND		1.0	ug/L
1,1,1-Trichloroethane	ND		1.0	ug/L
1,1-Dichloropropene	ND		1.0	ug/L
Carbon tetrachloride	ND		1.0	ug/L
1,2-Dichloroethane	ND		1.0	ug/L
Benzene	ND		1.0	ug/L
Trichloroethene	ND		1.0	ug/L
1,2-Dichloropropane	ND		1.0	ug/L
Bromodichloromethane	ND		1.0	ug/L
Dibromomethane	ND		1.0	ug/L
Toluene	ND		1.0	ug/L
1,1,2-Trichloroethane	ND		1.0	ug/L
1,2-Dibromoethane (EDB)	ND		1.0	ug/L
1,3-Dichloropropane	ND		1.0	ug/L
Tetrachloroethene	ND		1.0	ug/L
Dibromochloromethane	ND		1.0	ug/L
Chlorobenzene	ND		1.0	ug/L
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L
Ethylbenzene	ND		1.0	ug/L
Xylenes (total)	ND		1.0	ug/L
Styrene	ND		1.0	ug/L
Bromoform	ND		1.0	ug/L
1-Methylethylbenzene	ND		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L
1,2,3-Trichloropropane	ND		1.0	ug/L
n-Propylbenzene	ND		1.0	ug/L
Bromobenzene	ND		1.0	ug/L
1,3,5-Trimethylbenzene	ND		1.0	ug/L
2-Chlorotoluene	ND		1.0	ug/L
4-Chlorotoluene	ND		1.0	ug/L
tert-Butylbenzene	ND		1.0	ug/L
1,2,4-Trimethylbenzene	ND		1.0	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name:	Kennedy/Jenks Consultants		
Client ID:	TB-050797		
LAB ID:	125886-0007-TB		
Matrix:	WATER-QA	Sampled: 07 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 16 MAY 97	Analyzed: 16 MAY 97
Instrument:	GC/MS-MD	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		1.0	ug/L
Isopropyltoluene	ND		1.0	ug/L
1,3-Dichlorobenzene	ND		1.0	ug/L
1,4-Dichlorobenzene	ND		1.0	ug/L
n-Butylbenzene	ND		1.0	ug/L
1,2-Dichlorobenzene	ND		1.0	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		1.0	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		1.0	ug/L
Naphthalene	ND		1.0	ug/L
1,2,3-Trichlorobenzene	ND		1.0	ug/L
Acetone	ND		10	ug/L
2-Butanone	ND		10	ug/L
4-Methyl-2-pentanone	ND		10	ug/L
2-Hexanone	ND		10	ug/L
Carbon disulfide	ND		5.0	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	99	%	80 - 120
Toluene-d8	108	%	88 - 110
Bromofluorobenzene	103	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC11S-18
LAB ID: 125886-0008-SA
Matrix: WATER
Authorized: 09 MAY 97
Instrument: GC/MS-MD

Sampled: 08 MAY 97
Prepared: 17 MAY 97
Dilution: 2.5

Received: 09 MAY 97
Analyzed: 17 MAY 97

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.5	ug/L
Chloromethane	ND		2.5	ug/L
Vinyl chloride	ND		2.5	ug/L
Bromomethane	ND		2.5	ug/L
Chloroethane	ND		2.5	ug/L
Trichlorofluoromethane	ND		2.5	ug/L
1,1-Dichloroethene	33		2.5	ug/L
Methylene chloride	ND		2.5	ug/L
trans-1,2-Dichloroethene	ND		2.5	ug/L
1,1-Dichloroethane	ND		2.5	ug/L
2,2-Dichloropropane	ND		2.5	ug/L
cis-1,2-Dichloroethene	5.1		2.5	ug/L
Chloroform	ND		2.5	ug/L
Bromochloromethane	ND		2.5	ug/L
1,1,1-Trichloroethane	ND		2.5	ug/L
1,1-Dichloropropene	ND		2.5	ug/L
Carbon tetrachloride	ND		2.5	ug/L
1,2-Dichloroethane	ND		2.5	ug/L
Benzene	ND		2.5	ug/L
Trichloroethene	170		2.5	ug/L
1,2-Dichloropropane	ND		2.5	ug/L
Bromodichloromethane	ND		2.5	ug/L
Dibromomethane	ND		2.5	ug/L
Toluene	ND		2.5	ug/L
1,1,2-Trichloroethane	ND		2.5	ug/L
1,2-Dibromoethane (EDB)	ND		2.5	ug/L
1,3-Dichloropropane	ND		2.5	ug/L
Tetrachloroethene	ND		2.5	ug/L
Dibromochloromethane	ND		2.5	ug/L
Chlorobenzene	ND		2.5	ug/L
1,1,1,2-Tetrachloroethane	ND		2.5	ug/L
Ethylbenzene	ND		2.5	ug/L
Xylenes (total)	ND		2.5	ug/L
Styrene	ND		2.5	ug/L
Bromoform	ND		2.5	ug/L
1-Methylethylbenzene	ND		2.5	ug/L
1,1,2,2-Tetrachloroethane	ND		2.5	ug/L
1,2,3-Trichloropropane	ND		2.5	ug/L
n-Propylbenzene	ND		2.5	ug/L
Bromobenzene	ND		2.5	ug/L
1,3,5-Trimethylbenzene	ND		2.5	ug/L
2-Chlorotoluene	ND		2.5	ug/L
4-Chlorotoluene	ND		2.5	ug/L
tert-Butylbenzene	ND		2.5	ug/L
1,2,4-Trimethylbenzene	ND		2.5	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC11S-18
LAB ID: 125886-0008-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 17 MAY 97 Analyzed: 17 MAY 97
Instrument: GC/MS-MD Dilution: 2.5

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		2.5	ug/L
Isopropyltoluene	ND		2.5	ug/L
1,3-Dichlorobenzene	ND		2.5	ug/L
1,4-Dichlorobenzene	ND		2.5	ug/L
n-Butylbenzene	ND		2.5	ug/L
1,2-Dichlorobenzene	ND		2.5	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		2.5	ug/L
1,2,4-Trichlorobenzene	ND		2.5	ug/L
Hexachlorobutadiene	ND		2.5	ug/L
Naphthalene	ND		2.5	ug/L
1,2,3-Trichlorobenzene	ND		2.5	ug/L
Acetone	ND		25	ug/L
2-Butanone	ND		25	ug/L
4-Methyl-2-pentanone	ND		25	ug/L
2-Hexanone	ND		25	ug/L
Carbon disulfide	ND		12	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	99	%	80 - 120
Toluene-d8	104	%	88 - 110
Bromofluorobenzene	102	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name:	Kennedy/Jenks Consultants		
Client ID:	WCC12S-18		
LAB ID:	125886-0009-SA		
Matrix:	WATER	Sampled: 08 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 17 MAY 97	Analyzed: 17 MAY 97
Instrument:	GC/MS-MD	Dilution: 2.5	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.5	ug/L
Chloromethane	ND		2.5	ug/L
Vinyl chloride	ND		2.5	ug/L
Bromomethane	ND		2.5	ug/L
Chloroethane	ND		2.5	ug/L
Trichlorofluoromethane	ND		2.5	ug/L
1,1-Dichloroethene	47		2.5	ug/L
Methylene chloride	ND		2.5	ug/L
trans-1,2-Dichloroethene	ND		2.5	ug/L
1,1-Dichloroethane	16		2.5	ug/L
2,2-Dichloropropane	ND		2.5	ug/L
cis-1,2-Dichloroethene	2.6		2.5	ug/L
Chloroform	ND		2.5	ug/L
Bromochloromethane	ND		2.5	ug/L
1,1,1-Trichloroethane	ND		2.5	ug/L
1,1-Dichloropropene	ND		2.5	ug/L
Carbon tetrachloride	ND		2.5	ug/L
1,2-Dichloroethane	ND		2.5	ug/L
Benzene	ND		2.5	ug/L
Trichloroethene	150		2.5	ug/L
1,2-Dichloropropane	ND		2.5	ug/L
Bromodichloromethane	ND		2.5	ug/L
Dibromomethane	ND		2.5	ug/L
Toluene	ND		2.5	ug/L
1,1,2-Trichloroethane	ND		2.5	ug/L
1,2-Dibromoethane (EDB)	ND		2.5	ug/L
1,3-Dichloropropane	ND		2.5	ug/L
Tetrachloroethene	ND		2.5	ug/L
Dibromochloromethane	ND		2.5	ug/L
Chlorobenzene	ND		2.5	ug/L
1,1,1,2-Tetrachloroethane	ND		2.5	ug/L
Ethylbenzene	ND		2.5	ug/L
Xylenes (total)	ND		2.5	ug/L
Styrene	ND		2.5	ug/L
Bromoform	ND		2.5	ug/L
1-Methylethylbenzene	ND		2.5	ug/L
1,1,2,2-Tetrachloroethane	ND		2.5	ug/L
1,2,3-Trichloropropane	ND		2.5	ug/L
n-Propylbenzene	ND		2.5	ug/L
Bromobenzene	ND		2.5	ug/L
1,3,5-Trimethylbenzene	ND		2.5	ug/L
2-Chlorotoluene	ND		2.5	ug/L
4-Chlorotoluene	ND		2.5	ug/L
tert-Butylbenzene	ND		2.5	ug/L
1,2,4-Trimethylbenzene	ND		2.5	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC12S-18
LAB ID: 125886-0009-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 17 MAY 97 Analyzed: 17 MAY 97
Instrument: GC/MS-MD Dilution: 2.5

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		2.5	ug/L
Isopropyltoluene	ND		2.5	ug/L
1,3-Dichlorobenzene	ND		2.5	ug/L
1,4-Dichlorobenzene	ND		2.5	ug/L
n-Butylbenzene	ND		2.5	ug/L
1,2-Dichlorobenzene	ND		2.5	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		2.5	ug/L
1,2,4-Trichlorobenzene	ND		2.5	ug/L
Hexachlorobutadiene	ND		2.5	ug/L
Naphthalene	ND		2.5	ug/L
1,2,3-Trichlorobenzene	ND		2.5	ug/L
Acetone	ND		25	ug/L
2-Butanone	ND		25	ug/L
4-Methyl-2-pentanone	ND		25	ug/L
2-Hexanone	ND		25	ug/L
Carbon disulfide	ND		12	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	111	%	80 - 120
Toluene-d8	108	%	88 - 110
Bromofluorobenzene	103	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC7S-18
LAB ID: 125886-0010-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 17 MAY 97 Analyzed: 17 MAY 97
Instrument: GC/MS-MD Dilution: 2.5

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.5	ug/L
Chloromethane	ND		2.5	ug/L
Vinyl chloride	ND		2.5	ug/L
Bromomethane	ND		2.5	ug/L
Chloroethane	ND		2.5	ug/L
Trichlorofluoromethane	ND		2.5	ug/L
1,1-Dichloroethene	120		2.5	ug/L
Methylene chloride	ND		2.5	ug/L
trans-1,2-Dichloroethene	ND		2.5	ug/L
1,1-Dichloroethane	ND		2.5	ug/L
2,2-Dichloropropane	ND		2.5	ug/L
cis-1,2-Dichloroethene	ND		2.5	ug/L
Chloroform	ND		2.5	ug/L
Bromochloromethane	ND		2.5	ug/L
1,1,1-Trichloroethane	ND		2.5	ug/L
1,1-Dichloropropene	ND		2.5	ug/L
Carbon tetrachloride	ND		2.5	ug/L
1,2-Dichloroethane	ND		2.5	ug/L
Benzene	ND		2.5	ug/L
Trichloroethene	140		2.5	ug/L
1,2-Dichloropropane	ND		2.5	ug/L
Bromodichloromethane	ND		2.5	ug/L
Dibromomethane	ND		2.5	ug/L
Toluene	ND		2.5	ug/L
1,1,2-Trichloroethane	ND		2.5	ug/L
1,2-Dibromoethane (EDB)	ND		2.5	ug/L
1,3-Dichloropropane	ND		2.5	ug/L
Tetrachloroethene	ND		2.5	ug/L
Dibromochloromethane	ND		2.5	ug/L
Chlorobenzene	ND		2.5	ug/L
1,1,1,2-Tetrachloroethane	ND		2.5	ug/L
Ethylbenzene	ND		2.5	ug/L
Xylenes (total)	ND		2.5	ug/L
Styrene	ND		2.5	ug/L
Bromoform	ND		2.5	ug/L
1-Methylethylbenzene	ND		2.5	ug/L
1,1,2,2-Tetrachloroethane	ND		2.5	ug/L
1,2,3-Trichloropropane	ND		2.5	ug/L
n-Propylbenzene	ND		2.5	ug/L
Bromobenzene	ND		2.5	ug/L
1,3,5-Trimethylbenzene	ND		2.5	ug/L
2-Chlorotoluene	ND		2.5	ug/L
4-Chlorotoluene	ND		2.5	ug/L
tert-Butylbenzene	ND		2.5	ug/L
1,2,4-Trimethylbenzene	ND		2.5	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC7S-18
LAB ID: 125886-0010-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 17 MAY 97 Analyzed: 17 MAY 97
Instrument: GC/MS-MD Dilution: 2.5

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		2.5	ug/L
Isopropyltoluene	ND		2.5	ug/L
1,3-Dichlorobenzene	ND		2.5	ug/L
1,4-Dichlorobenzene	ND		2.5	ug/L
n-Butylbenzene	ND		2.5	ug/L
1,2-Dichlorobenzene	ND		2.5	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		2.5	ug/L
1,2,4-Trichlorobenzene	ND		2.5	ug/L
Hexachlorobutadiene	ND		2.5	ug/L
Naphthalene	ND		2.5	ug/L
1,2,3-Trichlorobenzene	ND		2.5	ug/L
Acetone	ND		25	ug/L
2-Butanone	ND		25	ug/L
4-Methyl-2-pentanone	ND		25	ug/L
2-Hexanone	ND		25	ug/L
Carbon disulfide	ND		12	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	105	%	80 - 120
Toluene-d8	104	%	88 - 110
Bromofluorobenzene	100	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC8S-18
LAB ID: 125886-0011-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 19 MAY 97 Analyzed: 19 MAY 97
Instrument: GC/MS-MD Dilution: 50

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		50	ug/L
Chloromethane	ND		50	ug/L
Vinyl chloride	ND		50	ug/L
Bromomethane	ND		50	ug/L
Chloroethane	ND		50	ug/L
Trichlorofluoromethane	ND		50	ug/L
1,1-Dichloroethene	2600		50	ug/L
Methylene chloride	ND		50	ug/L
trans-1,2-Dichloroethene	51		50	ug/L
1,1-Dichloroethane	ND		50	ug/L
2,2-Dichloropropane	ND		50	ug/L
cis-1,2-Dichloroethene	ND		50	ug/L
Chloroform	ND		50	ug/L
Bromochloromethane	ND		50	ug/L
1,1,1-Trichloroethane	ND		50	ug/L
1,1-Dichloropropene	ND		50	ug/L
Carbon tetrachloride	ND		50	ug/L
1,2-Dichloroethane	ND		50	ug/L
Benzene	ND		50	ug/L
Trichloroethene	1600		50	ug/L
1,2-Dichloropropane	ND		50	ug/L
Bromodichloromethane	ND		50	ug/L
Dibromomethane	ND		50	ug/L
Toluene	ND		50	ug/L
1,1,2-Trichloroethane	ND		50	ug/L
1,2-Dibromoethane (EDB)	ND		50	ug/L
1,3-Dichloropropane	ND		50	ug/L
Tetrachloroethene	ND		50	ug/L
Dibromochloromethane	ND		50	ug/L
Chlorobenzene	ND		50	ug/L
1,1,1,2-Tetrachloroethane	ND		50	ug/L
Ethylbenzene	ND		50	ug/L
Xylenes (total)	ND		50	ug/L
Styrene	ND		50	ug/L
Bromoform	ND		50	ug/L
1-Methylethylbenzene	ND		50	ug/L
1,1,2,2-Tetrachloroethane	ND		50	ug/L
1,2,3-Trichloropropane	ND		50	ug/L
n-Propylbenzene	ND		50	ug/L
Bromobenzene	ND		50	ug/L
1,3,5-Trimethylbenzene	ND		50	ug/L
2-Chlorotoluene	ND		50	ug/L
4-Chlorotoluene	ND		50	ug/L
tert-Butylbenzene	ND		50	ug/L
1,2,4-Trimethylbenzene	ND		50	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC8S-18
LAB ID: 125886-0011-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 19 MAY 97 Analyzed: 19 MAY 97
Instrument: GC/MS-MD Dilution: 50

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		50	ug/L
Isopropyltoluene	ND		50	ug/L
1,3-Dichlorobenzene	ND		50	ug/L
1,4-Dichlorobenzene	ND		50	ug/L
n-Butylbenzene	ND		50	ug/L
1,2-Dichlorobenzene	ND		50	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		50	ug/L
1,2,4-Trichlorobenzene	ND		50	ug/L
Hexachlorobutadiene	ND		50	ug/L
Naphthalene	ND		50	ug/L
1,2,3-Trichlorobenzene	ND		50	ug/L
Acetone	ND		500	ug/L
2-Butanone	ND		500	ug/L
4-Methyl-2-pentanone	ND		500	ug/L
2-Hexanone	ND		500	ug/L
Carbon disulfide	ND		250	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	118	%	80 - 120
Toluene-d8	108	%	88 - 110
Bromofluorobenzene	111	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC4S-18
LAB ID: 125886-0012-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 12

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		12	ug/L
Chloromethane	ND		12	ug/L
Vinyl chloride	ND		12	ug/L
Bromomethane	ND		12	ug/L
Chloroethane	ND		12	ug/L
Trichlorofluoromethane	ND		12	ug/L
1,1-Dichloroethene	1000		12	ug/L
Methylene chloride	ND		12	ug/L
trans-1,2-Dichloroethene	14		12	ug/L
1,1-Dichloroethane	ND		12	ug/L
2,2-Dichloropropane	ND		12	ug/L
cis-1,2-Dichloroethene	ND		12	ug/L
Chloroform	ND		12	ug/L
Bromochloromethane	ND		12	ug/L
1,1,1-Trichloroethane	ND		12	ug/L
1,1-Dichloropropene	ND		12	ug/L
Carbon tetrachloride	ND		12	ug/L
1,2-Dichloroethane	ND		12	ug/L
Benzene	ND		12	ug/L
Trichloroethene	1100		12	ug/L
1,2-Dichloropropane	ND		12	ug/L
Bromodichloromethane	ND		12	ug/L
Dibromomethane	ND		12	ug/L
Toluene	ND		12	ug/L
1,1,2-Trichloroethane	ND		12	ug/L
1,2-Dibromoethane (EDB)	ND		12	ug/L
1,3-Dichloropropane	ND		12	ug/L
Tetrachloroethene	ND		12	ug/L
Dibromochloromethane	ND		12	ug/L
Chlorobenzene	ND		12	ug/L
1,1,1,2-Tetrachloroethane	ND		12	ug/L
Ethylbenzene	ND		12	ug/L
Xylenes (total)	ND		12	ug/L
Styrene	ND		12	ug/L
Bromoform	ND		12	ug/L
1-Methylethylbenzene	ND		12	ug/L
1,1,2,2-Tetrachloroethane	ND		12	ug/L
1,2,3-Trichloropropane	ND		12	ug/L
n-Propylbenzene	ND		12	ug/L
Bromobenzene	ND		12	ug/L
1,3,5-Trimethylbenzene	ND		12	ug/L
2-Chlorotoluene	ND		12	ug/L
4-Chlorotoluene	ND		12	ug/L
tert-Butylbenzene	ND		12	ug/L
1,2,4-Trimethylbenzene	ND		12	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC4S-18
LAB ID: 125886-0012-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 12

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		12	ug/L
Isopropyltoluene	ND		12	ug/L
1,3-Dichlorobenzene	ND		12	ug/L
1,4-Dichlorobenzene	ND		12	ug/L
n-Butylbenzene	ND		12	ug/L
1,2-Dichlorobenzene	ND		12	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		12	ug/L
1,2,4-Trichlorobenzene	ND		12	ug/L
Hexachlorobutadiene	ND		12	ug/L
Naphthalene	ND		12	ug/L
1,2,3-Trichlorobenzene	ND		12	ug/L
Acetone	ND		120	ug/L
2-Butanone	ND		120	ug/L
4-Methyl-2-pentanone	ND		120	ug/L
2-Hexanone	ND		120	ug/L
Carbon disulfide	ND		62	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	113	%	80 - 120
Toluene-d8	104	%	88 - 110
Bromofluorobenzene	105	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC1S-18
LAB ID: 125886-0013-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 50

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		50	ug/L
Chloromethane	ND		50	ug/L
Vinyl chloride	ND		50	ug/L
Bromomethane	ND		50	ug/L
Chloroethane	ND		50	ug/L
Trichlorofluoromethane	ND		50	ug/L
1,1-Dichloroethene	3200		50	ug/L
Methylene chloride	ND		50	ug/L
trans-1,2-Dichloroethene	69		50	ug/L
1,1-Dichloroethane	ND		50	ug/L
2,2-Dichloropropane	ND		50	ug/L
cis-1,2-Dichloroethene	ND		50	ug/L
Chloroform	ND		50	ug/L
Bromochloromethane	ND		50	ug/L
1,1,1-Trichloroethane	ND		50	ug/L
1,1-Dichloropropene	ND		50	ug/L
Carbon tetrachloride	ND		50	ug/L
1,2-Dichloroethane	ND		50	ug/L
Benzene	ND		50	ug/L
Trichloroethene	2700		50	ug/L
1,2-Dichloropropane	ND		50	ug/L
Bromodichloromethane	ND		50	ug/L
Dibromomethane	ND		50	ug/L
Toluene	ND		50	ug/L
1,1,2-Trichloroethane	ND		50	ug/L
1,2-Dibromoethane (EDB)	ND		50	ug/L
1,3-Dichloropropane	ND		50	ug/L
Tetrachloroethene	ND		50	ug/L
Dibromochloromethane	ND		50	ug/L
Chlorobenzene	ND		50	ug/L
1,1,1,2-Tetrachloroethane	ND		50	ug/L
Ethylbenzene	ND		50	ug/L
Xylenes (total)	ND		50	ug/L
Styrene	ND		50	ug/L
Bromoform	ND		50	ug/L
1-Methylethylbenzene	ND		50	ug/L
1,1,2,2-Tetrachloroethane	ND		50	ug/L
1,2,3-Trichloropropane	ND		50	ug/L
n-Propylbenzene	ND		50	ug/L
Bromobenzene	ND		50	ug/L
1,3,5-Trimethylbenzene	ND		50	ug/L
2-Chlorotoluene	ND		50	ug/L
4-Chlorotoluene	ND		50	ug/L
tert-Butylbenzene	ND		50	ug/L
1,2,4-Trimethylbenzene	ND		50	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name:	Kennedy/Jenks Consultants		
Client ID:	WCC1S-18		
LAB ID:	125886-0013-SA		
Matrix:	WATER	Sampled: 08 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 20 MAY 97	Analyzed: 20 MAY 97
Instrument:	GC/MS-MD	Dilution: 50	

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		50	ug/L
Isopropyltoluene	ND		50	ug/L
1,3-Dichlorobenzene	ND		50	ug/L
1,4-Dichlorobenzene	ND		50	ug/L
n-Butylbenzene	ND		50	ug/L
1,2-Dichlorobenzene	ND		50	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		50	ug/L
1,2,4-Trichlorobenzene	ND		50	ug/L
Hexachlorobutadiene	ND		50	ug/L
Naphthalene	ND		50	ug/L
1,2,3-Trichlorobenzene	ND		50	ug/L
Acetone	ND		500	ug/L
2-Butanone	ND		500	ug/L
4-Methyl-2-pentanone	ND		500	ug/L
2-Hexanone	ND		500	ug/L
Carbon disulfide	ND		250	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	112	%	80 - 120
Toluene-d8	108	%	88 - 110
Bromofluorobenzene	106	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name:	Kennedy/Jenks Consultants		
Client ID:	WCC3D-18		
LAB ID:	125886-0014-SA		
Matrix:	WATER	Sampled: 08 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 19 MAY 97	Analyzed: 19 MAY 97
Instrument:	GC/MS-MD	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1.0	ug/L
Chloromethane	ND		1.0	ug/L
Vinyl chloride	ND		1.0	ug/L
Bromomethane	ND		1.0	ug/L
Chloroethane	ND		1.0	ug/L
Trichlorofluoromethane	ND		1.0	ug/L
1,1-Dichloroethene	43		1.0	ug/L
Methylene chloride	ND		1.0	ug/L
trans-1,2-Dichloroethene	ND		1.0	ug/L
1,1-Dichloroethane	ND		1.0	ug/L
2,2-Dichloropropane	ND		1.0	ug/L
cis-1,2-Dichloroethene	1.7		1.0	ug/L
Chloroform	ND		1.0	ug/L
Bromochloromethane	ND		1.0	ug/L
1,1,1-Trichloroethane	11		1.0	ug/L
1,1-Dichloropropene	ND		1.0	ug/L
Carbon tetrachloride	ND		1.0	ug/L
1,2-Dichloroethane	ND		1.0	ug/L
Benzene	ND		1.0	ug/L
Trichloroethene	63		1.0	ug/L
1,2-Dichloropropane	ND		1.0	ug/L
Bromodichloromethane	ND		1.0	ug/L
Dibromomethane	ND		1.0	ug/L
Toluene	2.7		1.0	ug/L
1,1,2-Trichloroethane	ND		1.0	ug/L
1,2-Dibromoethane (EDB)	ND		1.0	ug/L
1,3-Dichloropropane	ND		1.0	ug/L
Tetrachloroethene	ND		1.0	ug/L
Dibromochloromethane	ND		1.0	ug/L
Chlorobenzene	ND		1.0	ug/L
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L
Ethylbenzene	ND		1.0	ug/L
Xylenes (total)	ND		1.0	ug/L
Styrene	ND		1.0	ug/L
Bromoform	ND		1.0	ug/L
1-Methylethylbenzene	ND		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L
1,2,3-Trichloropropane	ND		1.0	ug/L
n-Propylbenzene	ND		1.0	ug/L
Bromobenzene	ND		1.0	ug/L
1,3,5-Trimethylbenzene	ND		1.0	ug/L
2-Chlorotoluene	ND		1.0	ug/L
4-Chlorotoluene	ND		1.0	ug/L
tert-Butylbenzene	ND		1.0	ug/L
1,2,4-Trimethylbenzene	ND		1.0	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

(cont.)

Client Name:	Kennedy/Jenks Consultants		
Client ID:	WCC3D-18		
LAB ID:	125886-0014-SA		
Matrix:	WATER	Sampled: 08 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 19 MAY 97	Analyzed: 19 MAY 97
Instrument:	GC/MS-MD	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		1.0	ug/L
Isopropyltoluene	ND		1.0	ug/L
1,3-Dichlorobenzene	ND		1.0	ug/L
1,4-Dichlorobenzene	ND		1.0	ug/L
n-Butylbenzene	ND		1.0	ug/L
1,2-Dichlorobenzene	ND		1.0	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		1.0	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		1.0	ug/L
Naphthalene	ND		1.0	ug/L
1,2,3-Trichlorobenzene	ND		1.0	ug/L
Acetone	ND		10	ug/L
2-Butanone	ND		10	ug/L
4-Methyl-2-pentanone	ND		10	ug/L
2-Hexanone	ND		10	ug/L
Carbon disulfide	ND		5.0	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	112	%	80 - 120
Toluene-d8	106	%	88 - 110
Bromofluorobenzene	107	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: WCC3S-18
LAB ID: 125886-0015-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 21 MAY 97 Analyzed: 21 MAY 97
Instrument: GC/MS-MC Dilution: 120

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		120	ug/L
Chloromethane	ND		120	ug/L
Vinyl chloride	ND		120	ug/L
Bromomethane	ND		120	ug/L
Chloroethane	ND		120	ug/L
Trichlorofluoromethane	ND		120	ug/L
1,1-Dichloroethene	6300		120	ug/L
Methylene chloride	ND		120	ug/L
trans-1,2-Dichloroethene	180		120	ug/L
1,1-Dichloroethane	140		120	ug/L
2,2-Dichloropropane	ND		120	ug/L
cis-1,2-Dichloroethene	2000		120	ug/L
Chloroform	ND		120	ug/L
Bromochloromethane	ND		120	ug/L
1,1,1-Trichloroethane	470		120	ug/L
1,1-Dichloropropene	ND		120	ug/L
Carbon tetrachloride	ND		120	ug/L
1,2-Dichloroethane	ND		120	ug/L
Benzene	ND		120	ug/L
Trichloroethene	230		120	ug/L
1,2-Dichloropropane	ND		120	ug/L
Bromodichloromethane	ND		120	ug/L
Dibromomethane	ND		120	ug/L
Toluene	8800		120	ug/L
1,1,2-Trichloroethane	ND		120	ug/L
1,2-Dibromoethane (EDB)	ND		120	ug/L
1,3-Dichloropropane	ND		120	ug/L
Tetrachloroethene	ND		120	ug/L
Dibromochloromethane	ND		120	ug/L
Chlorobenzene	ND		120	ug/L
1,1,1,2-Tetrachloroethane	ND		120	ug/L
Ethylbenzene	ND		120	ug/L
Xylenes (total)	ND		120	ug/L
Styrene	ND		120	ug/L
Bromoform	ND		120	ug/L
1-Methylethylbenzene	ND		120	ug/L
1,1,2,2-Tetrachloroethane	ND		120	ug/L
1,2,3-Trichloropropane	ND		120	ug/L
n-Propylbenzene	ND		120	ug/L
Bromobenzene	ND		120	ug/L
1,3,5-Trimethylbenzene	ND		120	ug/L
2-Chlorotoluene	ND		120	ug/L
4-Chlorotoluene	ND		120	ug/L
tert-Butylbenzene	ND		120	ug/L
1,2,4-Trimethylbenzene	ND		120	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC3S-18
LAB ID: 125886-0015-SA
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 21 MAY 97 Analyzed: 21 MAY 97
Instrument: GC/MS-MC Dilution: 120

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		120	ug/L
Isopropyltoluene	ND		120	ug/L
1,3-Dichlorobenzene	ND		120	ug/L
1,4-Dichlorobenzene	ND		120	ug/L
n-Butylbenzene	ND		120	ug/L
1,2-Dichlorobenzene	ND		120	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		120	ug/L
1,2,4-Trichlorobenzene	ND		120	ug/L
Hexachlorobutadiene	ND		120	ug/L
Naphthalene	ND		120	ug/L
1,2,3-Trichlorobenzene	ND		120	ug/L
Acetone	ND		1200	ug/L
2-Butanone	ND		1200	ug/L
4-Methyl-2-pentanone	ND		1200	ug/L
2-Hexanone	ND		1200	ug/L
Carbon disulfide	ND		620	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	97	%	80 - 120
Toluene-d8	103	%	88 - 110
Bromofluorobenzene	97	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name:	Kennedy/Jenks Consultants		
Client ID:	WCC6S-18		
LAB ID:	125886-0016-SA		
Matrix:	WATER	Sampled: 09 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 20 MAY 97	Analyzed: 20 MAY 97
Instrument:	GC/MS-MD	Dilution: 100	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		100	ug/L
Chloromethane	ND		100	ug/L
Vinyl chloride	ND		100	ug/L
Bromomethane	ND		100	ug/L
Chloroethane	ND		100	ug/L
Trichlorofluoromethane	ND		100	ug/L
1,1-Dichloroethene	6800		100	ug/L
Methylene chloride	ND		100	ug/L
trans-1,2-Dichloroethene	ND		100	ug/L
1,1-Dichloroethane	ND		100	ug/L
2,2-Dichloropropane	ND		100	ug/L
cis-1,2-Dichloroethene	1100		100	ug/L
Chloroform	ND		100	ug/L
Bromochloromethane	ND		100	ug/L
1,1,1-Trichloroethane	720		100	ug/L
1,1-Dichloropropene	ND		100	ug/L
Carbon tetrachloride	ND		100	ug/L
1,2-Dichloroethane	ND		100	ug/L
Benzene	ND		100	ug/L
Trichloroethene	1900		100	ug/L
1,2-Dichloropropane	ND		100	ug/L
Bromodichloromethane	ND		100	ug/L
Dibromomethane	ND		100	ug/L
Toluene	1800		100	ug/L
1,1,2-Trichloroethane	ND		100	ug/L
1,2-Dibromoethane (EDB)	ND		100	ug/L
1,3-Dichloropropane	ND		100	ug/L
Tetrachloroethene	ND		100	ug/L
Dibromochloromethane	ND		100	ug/L
Chlorobenzene	ND		100	ug/L
1,1,1,2-Tetrachloroethane	ND		100	ug/L
Ethylbenzene	ND		100	ug/L
Xylenes (total)	ND		100	ug/L
Styrene	ND		100	ug/L
Bromoform	ND		100	ug/L
1-Methylethylbenzene	ND		100	ug/L
1,1,2,2-Tetrachloroethane	ND		100	ug/L
1,2,3-Trichloropropane	ND		100	ug/L
n-Propylbenzene	ND		100	ug/L
Bromobenzene	ND		100	ug/L
1,3,5-Trimethylbenzene	ND		100	ug/L
2-Chlorotoluene	ND		100	ug/L
4-Chlorotoluene	ND		100	ug/L
tert-Butylbenzene	ND		100	ug/L
1,2,4-Trimethylbenzene	ND		100	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: WCC6S-18
LAB ID: 125886-0016-SA
Matrix: WATER Sampled: 09 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 100

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		100	ug/L
Isopropyltoluene	ND		100	ug/L
1,3-Dichlorobenzene	ND		100	ug/L
1,4-Dichlorobenzene	ND		100	ug/L
n-Butylbenzene	ND		100	ug/L
1,2-Dichlorobenzene	ND		100	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		100	ug/L
1,2,4-Trichlorobenzene	ND		100	ug/L
Hexachlorobutadiene	ND		100	ug/L
Naphthalene	ND		100	ug/L
1,2,3-Trichlorobenzene	ND		100	ug/L
Acetone	ND		1000	ug/L
2-Butanone	ND		1000	ug/L
4-Methyl-2-pentanone	ND		1000	ug/L
2-Hexanone	ND		1000	ug/L
Carbon disulfide	ND		500	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	110	%	80 - 120
Toluene-d8	106	%	88 - 110
Bromofluorobenzene	105	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: DACP1-18
LAB ID: 125886-0017-SA
Matrix: WATER Sampled: 09 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 250

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		250	ug/L
Chloromethane	ND		250	ug/L
Vinyl chloride	ND		250	ug/L
Bromomethane	ND		250	ug/L
Chloroethane	ND		250	ug/L
Trichlorofluoromethane	ND		250	ug/L
1,1-Dichloroethene	ND		250	ug/L
Methylene chloride	ND		250	ug/L
trans-1,2-Dichloroethene	ND		250	ug/L
1,1-Dichloroethane	ND		250	ug/L
2,2-Dichloropropane	ND		250	ug/L
cis-1,2-Dichloroethene	ND		250	ug/L
Chloroform	ND		250	ug/L
Bromochloromethane	ND		250	ug/L
1,1,1-Trichloroethane	ND		250	ug/L
1,1-Dichloropropene	ND		250	ug/L
Carbon tetrachloride	ND		250	ug/L
1,2-Dichloroethane	ND		250	ug/L
Benzene	ND		250	ug/L
Trichloroethene	15000		250	ug/L
1,2-Dichloropropane	ND		250	ug/L
Bromodichloromethane	ND		250	ug/L
Dibromomethane	ND		250	ug/L
Toluene	ND		250	ug/L
1,1,2-Trichloroethane	ND		250	ug/L
1,2-Dibromoethane (EDB)	ND		250	ug/L
1,3-Dichloropropane	ND		250	ug/L
Tetrachloroethene	ND		250	ug/L
Dibromochloromethane	ND		250	ug/L
Chlorobenzene	ND		250	ug/L
1,1,1,2-Tetrachloroethane	ND		250	ug/L
Ethylbenzene	ND		250	ug/L
Xylenes (total)	ND		250	ug/L
Styrene	ND		250	ug/L
Bromoform	ND		250	ug/L
1-Methylethylbenzene	ND		250	ug/L
1,1,2,2-Tetrachloroethane	ND		250	ug/L
1,2,3-Trichloropropane	ND		250	ug/L
n-Propylbenzene	ND		250	ug/L
Bromobenzene	ND		250	ug/L
1,3,5-Trimethylbenzene	ND		250	ug/L
2-Chlorotoluene	ND		250	ug/L
4-Chlorotoluene	ND		250	ug/L
tert-Butylbenzene	ND		250	ug/L
1,2,4-Trimethylbenzene	ND		250	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: DACP1-18
LAB ID: 125886-0017-SA
Matrix: WATER Sampled: 09 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 250

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		250	ug/L
Isopropyltoluene	ND		250	ug/L
1,3-Dichlorobenzene	ND		250	ug/L
1,4-Dichlorobenzene	ND		250	ug/L
n-Butylbenzene	ND		250	ug/L
1,2-Dichlorobenzene	ND		250	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		250	ug/L
1,2,4-Trichlorobenzene	ND		250	ug/L
Hexachlorobutadiene	ND		250	ug/L
Naphthalene	ND		250	ug/L
1,2,3-Trichlorobenzene	ND		250	ug/L
Acetone	ND		2500	ug/L
2-Butanone	ND		2500	ug/L
4-Methyl-2-pentanone	ND		2500	ug/L
2-Hexanone	ND		2500	ug/L
Carbon disulfide	ND		1200	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	117	%	80 - 120
Toluene-d8	106	%	88 - 110
Bromofluorobenzene	109	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: DUP-050997
LAB ID: 125886-0018-FD
Matrix: WATER Sampled: 09 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 100

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		100	ug/L
Chloromethane	ND		100	ug/L
Vinyl chloride	ND		100	ug/L
Bromomethane	ND		100	ug/L
Chloroethane	ND		100	ug/L
Trichlorofluoromethane	ND		100	ug/L
1,1-Dichloroethene	7000		100	ug/L
Methylene chloride	ND		100	ug/L
trans-1,2-Dichloroethene	120		100	ug/L
1,1-Dichloroethane	ND		100	ug/L
2,2-Dichloropropane	ND		100	ug/L
cis-1,2-Dichloroethene	1200		100	ug/L
Chloroform	ND		100	ug/L
Bromochloromethane	ND		100	ug/L
1,1,1-Trichloroethane	740		100	ug/L
1,1-Dichloropropene	ND		100	ug/L
Carbon tetrachloride	ND		100	ug/L
1,2-Dichloroethane	ND		100	ug/L
Benzene	ND		100	ug/L
Trichloroethene	2000		100	ug/L
1,2-Dichloropropane	ND		100	ug/L
Bromodichloromethane	ND		100	ug/L
Dibromomethane	ND		100	ug/L
Toluene	1800		100	ug/L
1,1,2-Trichloroethane	ND		100	ug/L
1,2-Dibromoethane (EDB)	ND		100	ug/L
1,3-Dichloropropane	ND		100	ug/L
Tetrachloroethene	ND		100	ug/L
Dibromochloromethane	ND		100	ug/L
Chlorobenzene	ND		100	ug/L
1,1,1,2-Tetrachloroethane	ND		100	ug/L
Ethylbenzene	ND		100	ug/L
Xylenes (total)	ND		100	ug/L
Styrene	ND		100	ug/L
Bromoform	ND		100	ug/L
1-Methylethylbenzene	ND		100	ug/L
1,1,2,2-Tetrachloroethane	ND		100	ug/L
1,2,3-Trichloropropane	ND		100	ug/L
n-Propylbenzene	ND		100	ug/L
Bromobenzene	ND		100	ug/L
1,3,5-Trimethylbenzene	ND		100	ug/L
2-Chlorotoluene	ND		100	ug/L
4-Chlorotoluene	ND		100	ug/L
tert-Butylbenzene	ND		100	ug/L
1,2,4-Trimethylbenzene	ND		100	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name:	Kennedy/Jenks Consultants		
Client ID:	DUP-050997		
LAB ID:	125886-0018-FD		
Matrix:	WATER	Sampled: 09 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 20 MAY 97	Analyzed: 20 MAY 97
Instrument:	GC/MS-MD	Dilution: 100	

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		100	ug/L
Isopropyltoluene	ND		100	ug/L
1,3-Dichlorobenzene	ND		100	ug/L
1,4-Dichlorobenzene	ND		100	ug/L
n-Butylbenzene	ND		100	ug/L
1,2-Dichlorobenzene	ND		100	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		100	ug/L
1,2,4-Trichlorobenzene	ND		100	ug/L
Hexachlorobutadiene	ND		100	ug/L
Naphthalene	ND		100	ug/L
1,2,3-Trichlorobenzene	ND		100	ug/L
Acetone	ND		1000	ug/L
2-Butanone	ND		1000	ug/L
4-Methyl-2-pentanone	ND		1000	ug/L
2-Hexanone	ND		1000	ug/L
Carbon disulfide	ND		500	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	114	%	80 - 120
Toluene-d8	107	%	88 - 110
Bromofluorobenzene	107	%	86 - 115

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: EB-050997
LAB ID: 125886-0019-TB
Matrix: WATER-QA Sampled: 09 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 19 MAY 97 Analyzed: 19 MAY 97
Instrument: GC/MS-MD Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1.0	ug/L
Chloromethane	ND		1.0	ug/L
Vinyl chloride	ND		1.0	ug/L
Bromomethane	ND		1.0	ug/L
Chloroethane	ND		1.0	ug/L
Trichlorofluoromethane	ND		1.0	ug/L
1,1-Dichloroethene	ND		1.0	ug/L
Methylene chloride	ND		1.0	ug/L
trans-1,2-Dichloroethene	ND		1.0	ug/L
1,1-Dichloroethane	ND		1.0	ug/L
2,2-Dichloropropane	ND		1.0	ug/L
cis-1,2-Dichloroethene	ND		1.0	ug/L
Chloroform	ND		1.0	ug/L
Bromochloromethane	ND		1.0	ug/L
1,1,1-Trichloroethane	ND		1.0	ug/L
1,1-Dichloropropene	ND		1.0	ug/L
Carbon tetrachloride	ND		1.0	ug/L
1,2-Dichloroethane	ND		1.0	ug/L
Benzene	ND		1.0	ug/L
Trichloroethene	ND		1.0	ug/L
1,2-Dichloropropane	ND		1.0	ug/L
Bromodichloromethane	ND		1.0	ug/L
Dibromomethane	ND		1.0	ug/L
Toluene	ND		1.0	ug/L
1,1,2-Trichloroethane	ND		1.0	ug/L
1,2-Dibromoethane (EDB)	ND		1.0	ug/L
1,3-Dichloropropane	ND		1.0	ug/L
Tetrachloroethene	ND		1.0	ug/L
Dibromochloromethane	ND		1.0	ug/L
Chlorobenzene	ND		1.0	ug/L
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L
Ethylbenzene	ND		1.0	ug/L
Xylenes (total)	ND		1.0	ug/L
Styrene	ND		1.0	ug/L
Bromoform	ND		1.0	ug/L
1-Methylethylbenzene	ND		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L
1,2,3-Trichloropropane	ND		1.0	ug/L
n-Propylbenzene	ND		1.0	ug/L
Bromobenzene	ND		1.0	ug/L
1,3,5-Trimethylbenzene	ND		1.0	ug/L
2-Chlorotoluene	ND		1.0	ug/L
4-Chlorotoluene	ND		1.0	ug/L
tert-Butylbenzene	ND		1.0	ug/L
1,2,4-Trimethylbenzene	ND		1.0	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name:	Kennedy/Jenks Consultants		
Client ID:	EB-050997		
LAB ID:	125886-0019-TB		
Matrix:	WATER-QA	Sampled: 09 MAY 97	Received: 09 MAY 97
Authorized:	09 MAY 97	Prepared: 19 MAY 97	Analyzed: 19 MAY 97
Instrument:	GC/MS-MD	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		1.0	ug/L
Isopropyltoluene	ND		1.0	ug/L
1,3-Dichlorobenzene	ND		1.0	ug/L
1,4-Dichlorobenzene	ND		1.0	ug/L
n-Butylbenzene	ND		1.0	ug/L
1,2-Dichlorobenzene	ND		1.0	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		1.0	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		1.0	ug/L
Naphthalene	ND		1.0	ug/L
1,2,3-Trichlorobenzene	ND		1.0	ug/L
Acetone	ND		10	ug/L
2-Butanone	ND		10	ug/L
4-Methyl-2-pentanone	ND		10	ug/L
2-Hexanone	ND		10	ug/L
Carbon disulfide	ND		5.0	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	93	%	80 - 120
Toluene-d8	102	%	88 - 110
Bromofluorobenzene	110	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

Volatile Organic Compounds
Method 8260

Client Name: Kennedy/Jenks Consultants
Client ID: DUP-050897
LAB ID: 125886-0020-FD
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 250

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		250	ug/L
Chloromethane	ND		250	ug/L
Vinyl chloride	ND		250	ug/L
Bromomethane	ND		250	ug/L
Chloroethane	ND		250	ug/L
Trichlorofluoromethane	ND		250	ug/L
1,1-Dichloroethene	6200		250	ug/L
Methylene chloride	ND		250	ug/L
trans-1,2-Dichloroethene	ND		250	ug/L
1,1-Dichloroethane	ND		250	ug/L
2,2-Dichloropropane	ND		250	ug/L
cis-1,2-Dichloroethene	2000		250	ug/L
Chloroform	ND		250	ug/L
Bromochloromethane	ND		250	ug/L
1,1,1-Trichloroethane	520		250	ug/L
1,1-Dichloropropene	ND		250	ug/L
Carbon tetrachloride	ND		250	ug/L
1,2-Dichloroethane	ND		250	ug/L
Benzene	ND		250	ug/L
Trichloroethene	ND		250	ug/L
1,2-Dichloropropane	ND		250	ug/L
Bromodichloromethane	ND		250	ug/L
Dibromomethane	ND		250	ug/L
Toluene	9100		250	ug/L
1,1,2-Trichloroethane	ND		250	ug/L
1,2-Dibromoethane (EDB)	ND		250	ug/L
1,3-Dichloropropane	ND		250	ug/L
Tetrachloroethene	ND		250	ug/L
Dibromochloromethane	ND		250	ug/L
Chlorobenzene	ND		250	ug/L
1,1,1,2-Tetrachloroethane	ND		250	ug/L
Ethylbenzene	ND		250	ug/L
Xylenes (total)	ND		250	ug/L
Styrene	ND		250	ug/L
Bromoform	ND		250	ug/L
1-Methylethylbenzene	ND		250	ug/L
1,1,2,2-Tetrachloroethane	ND		250	ug/L
1,2,3-Trichloropropane	ND		250	ug/L
n-Propylbenzene	ND		250	ug/L
Bromobenzene	ND		250	ug/L
1,3,5-Trimethylbenzene	ND		250	ug/L
2-Chlorotoluene	ND		250	ug/L
4-Chlorotoluene	ND		250	ug/L
tert-Butylbenzene	ND		250	ug/L
1,2,4-Trimethylbenzene	ND		250	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organic Compounds
Method 8260 (cont.)

Client Name: Kennedy/Jenks Consultants
Client ID: DUP-050897
LAB ID: 125886-0020-FD
Matrix: WATER Sampled: 08 MAY 97 Received: 09 MAY 97
Authorized: 09 MAY 97 Prepared: 20 MAY 97 Analyzed: 20 MAY 97
Instrument: GC/MS-MD Dilution: 250

Parameter	Result	Qualifier	RL	Units
sec-Butylbenzene	ND		250	ug/L
Isopropyltoluene	ND		250	ug/L
1,3-Dichlorobenzene	ND		250	ug/L
1,4-Dichlorobenzene	ND		250	ug/L
n-Butylbenzene	ND		250	ug/L
1,2-Dichlorobenzene	ND		250	ug/L
1,2-Dibromo-3-chloro-propane (DBCP)	ND		250	ug/L
1,2,4-Trichlorobenzene	ND		250	ug/L
Hexachlorobutadiene	ND		250	ug/L
Naphthalene	ND		250	ug/L
1,2,3-Trichlorobenzene	ND		250	ug/L
Acetone	ND		2500	ug/L
2-Butanone	ND		2500	ug/L
4-Methyl-2-pentanone	ND		2500	ug/L
2-Hexanone	ND		2500	ug/L
Carbon disulfide	ND		1200	ug/L

Surrogate	Recovery		Acceptable Range
1,2-Dichloroethane-d4	112	%	80 - 120
Toluene-d8	109	%	88 - 110
Bromofluorobenzene	107	%	86 - 115

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Volatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
125886-0001-SA	AQUEOUS	8260-A		15 MAY 97-BDX	21 MAY 97-BCA
125886-0002-SA	AQUEOUS	8260-A		15 MAY 97-BDX	21 MAY 97-BCA
125886-0003-SA	AQUEOUS	8260-A		15 MAY 97-BDX	21 MAY 97-BCA
125886-0004-SA	AQUEOUS	8260-A		15 MAY 97-BDX	21 MAY 97-BCA
125886-0005-SA	AQUEOUS	8260-A		16 MAY 97-BDX	21 MAY 97-BCA
125886-0006-FD	AQUEOUS	8260-A		16 MAY 97-BDX	21 MAY 97-BCA
125886-0007-TB	AQUEOUS	8260-A		16 MAY 97-BDX	21 MAY 97-BCA
125886-0008-SA	AQUEOUS	8260-A		16 MAY 97-BDX	21 MAY 97-BCA
125886-0009-SA	AQUEOUS	8260-A		16 MAY 97-BDX	21 MAY 97-BCA
125886-0010-SA	AQUEOUS	8260-A		16 MAY 97-BDX	21 MAY 97-BCA
125886-0011-SA	AQUEOUS	8260-A		19 MAY 97-BDX	21 MAY 97-BCA
125886-0012-SA	AQUEOUS	8260-A		20 MAY 97-BDX	21 MAY 97-BCA
125886-0013-SA	AQUEOUS	8260-A		20 MAY 97-BDX	21 MAY 97-BCA
125886-0014-SA	AQUEOUS	8260-A		19 MAY 97-BDX	21 MAY 97-BCA
125886-0015-SA	AQUEOUS	8260-A		21 MAY 97-BCX	21 MAY 97-BCA
125886-0016-SA	AQUEOUS	8260-A		19 MAY 97-BDX	21 MAY 97-BCA
125886-0017-SA	AQUEOUS	8260-A		19 MAY 97-BDX	21 MAY 97-BCA
125886-0018-FD	AQUEOUS	8260-A		19 MAY 97-BDX	21 MAY 97-BCA
125886-0019-TB	AQUEOUS	8260-A		19 MAY 97-BDX	21 MAY 97-BCA
125886-0020-FD	AQUEOUS	8260-A		19 MAY 97-BDX	21 MAY 97-BCA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Volatile Organics by GC/MS
Project: 125886

Category: 8260-A Volatile Organics, 8260
Matrix: AQUEOUS
Date Analyzed: 21 MAY 97
QC Run: 21 MAY 97-BCX
Concentration Units: ug/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,1-Dichloroethene	10.0	10.6	106	64-124
Benzene	10.0	9.88	99	67-127
Trichloroethene	10.0	9.76	98	60-120
Toluene	10.0	9.75	98	72-132
Chlorobenzene	10.0	10.2	102	68-128

Surrogates	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,2-Dichloroethane-d4	10.0	10.2	102	80-120
Toluene-d8	10.0	10.2	102	88-110
Bromofluorobenzene	10.0	9.96	100	86-115

Category: 8260-A Volatile Organics, 8260
Matrix: AQUEOUS
Date Analyzed: 20 MAY 97
QC Run: 20 MAY 97-BDX
Concentration Units: ug/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,1-Dichloroethene	10.0	10.7	107	64-124
Benzene	10.0	9.98	100	67-127
Trichloroethene	10.0	10.1	101	60-120
Toluene	10.0	10.1	101	72-132
Chlorobenzene	10.0	10.2	102	68-128

Surrogates	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,2-Dichloroethane-d4	10.0	11.5	115	80-120
Toluene-d8	10.0	10.5	105	88-110
Bromofluorobenzene	10.0	10.9	109	86-115

Category: 8260-A Volatile Organics, 8260
Matrix: AQUEOUS
Date Analyzed: 19 MAY 97
QC Run: 19 MAY 97-BDX
Concentration Units: ug/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,1-Dichloroethene	10.0	10.5	105	64-124
Benzene	10.0	9.97	100	67-127
Trichloroethene	10.0	10.0	100	60-120
Toluene	10.0	9.89	99	72-132
Chlorobenzene	10.0	9.65	96	68-128

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Volatile Organics by GC/MS (cont.)
Project: 125886

Surrogates	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,2-Dichloroethane-d4	10.0	11.6	116	80-120
Toluene-d8	10.0	10.7	107	88-110
Bromofluorobenzene	10.0	10.9	109	86-115

Category: 8260-A Volatile Organics, 8260
Matrix: AQUEOUS Date Analyzed: 16 MAY 97
QC Run: 16 MAY 97-BDX
Concentration Units: ug/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,1-Dichloroethene	10.0	10.1	101	64-124
Benzene	10.0	10.1	101	67-127
Trichloroethene	10.0	9.69	97	60-120
Toluene	10.0	10.3	103	72-132
Chlorobenzene	10.0	10.2	102	68-128

Surrogates	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,2-Dichloroethane-d4	10.0	10.1	101	80-120
Toluene-d8	10.0	10.8	108	88-110
Bromofluorobenzene	10.0	10.6	106	86-115

Category: 8260-A Volatile Organics, 8260
Matrix: AQUEOUS Date Analyzed: 15 MAY 97
QC Run: 15 MAY 97-BDX
Concentration Units: ug/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,1-Dichloroethene	10.0	10.8	108	64-124
Benzene	10.0	10.1	101	67-127
Trichloroethene	10.0	10.2	102	60-120
Toluene	10.0	10.5	105	72-132
Chlorobenzene	10.0	10.6	106	68-128

Surrogates	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,2-Dichloroethane-d4	10.0	9.98	100	80-120
Toluene-d8	10.0	9.78	98	88-110
Bromofluorobenzene	10.0	9.72	97	86-115

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Volatile Organics by GC/MS
Project: 125886

Category: 8260-A Volatile Organics, 8260
Matrix: AQUEOUS
Sample: 125886-0015
MS Run: 21 MAY 97-BCA
Units: ug/L

Analyte	Concentration Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
1,1-Dichloroethene	6320	8300	8060	1250	NC	NC	NC	64-124	25
Benzene	ND	1380	1390	1250	110	111	0.7	67-127	25
Trichloroethene	228	1570	1530	1250	107	104	2.6	60-120	25
Toluene	8820	10500	10600	1250	NC	NC	NC	72-132	25
Chlorobenzene	ND	1340	1340	1250	107	107	0.0	68-128	25

Surrogates	Sample %Recovery	%Recovery MS	%Recovery MSD	Acceptance Limit Recovery
1,2-Dichloroethane-d4	97	99	106	80-120
Toluene-d8	103	102	101	88-110
Bromofluorobenzene	97	99	101	86-115

NC = Not Calculated, calculation not applicable.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC/MS
Project: 125886

Test: 8260-A
Matrix: AQUEOUS
QC Run: 15 MAY 97-BDX

Method 8260 - Volatile Organics

Date Analyzed: 15 MAY 97

Analyte	Result	Units	Reporting Limit
Dichlorodifluoromethane	ND	ug/L	1.0
Chloromethane	ND	ug/L	1.0
Vinyl chloride	ND	ug/L	1.0
Bromomethane	ND	ug/L	1.0
Chloroethane	ND	ug/L	1.0
Trichlorofluoromethane	ND	ug/L	1.0
1,1-Dichloroethene	ND	ug/L	1.0
Methylene chloride	ND	ug/L	1.0
trans-1,2-Dichloroethene	ND	ug/L	1.0
1,1-Dichloroethane	ND	ug/L	1.0
2,2-Dichloropropane	ND	ug/L	1.0
cis-1,2-Dichloroethene	ND	ug/L	1.0
Chloroform	ND	ug/L	1.0
Bromochloromethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	1.0
1,1-Dichloropropene	ND	ug/L	1.0
Carbon tetrachloride	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
Benzene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
Bromodichloromethane	ND	ug/L	1.0
Dibromomethane	ND	ug/L	1.0
Toluene	ND	ug/L	1.0
1,1,2-Trichloroethane	ND	ug/L	1.0
1,2-Dibromoethane (EDB)	ND	ug/L	1.0
1,3-Dichloropropane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	1.0
Dibromochloromethane	ND	ug/L	1.0
Chlorobenzene	ND	ug/L	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0
Ethylbenzene	ND	ug/L	1.0
Xylenes (total)	ND	ug/L	1.0
Styrene	ND	ug/L	1.0
Bromoform	ND	ug/L	1.0
1-Methylethylbenzene	ND	ug/L	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
1,2,3-Trichloropropane	ND	ug/L	1.0
n-Propylbenzene	ND	ug/L	1.0
Bromobenzene	ND	ug/L	1.0
1,3,5-Trimethylbenzene	ND	ug/L	1.0
2-Chlorotoluene	ND	ug/L	1.0
4-Chlorotoluene	ND	ug/L	1.0
tert-Butylbenzene	ND	ug/L	1.0
1,2,4-Trimethylbenzene	ND	ug/L	1.0
sec-Butylbenzene	ND	ug/L	1.0
Isopropyltoluene	ND	ug/L	1.0
1,3-Dichlorobenzene	ND	ug/L	1.0

ND = Not Detected

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Quanterra Environmental Services

Test: 8260-A
Matrix: AQUEOUS
QC Run: 15 MAY 97-BDX

Method 8260 - Volatile Organics (cont.)

Date Analyzed: 15 MAY 97

Analyte	Result	Units	Reporting Limit
1,4-Dichlorobenzene	ND	ug/L	1.0
n-Butylbenzene	ND	ug/L	1.0
1,2-Dichlorobenzene	ND	ug/L	1.0
1,2-Dibromo-3-chloro-propane (DBCP)	ND	ug/L	1.0
1,2,4-Trichlorobenzene	ND	ug/L	1.0
Hexachlorobutadiene	ND	ug/L	1.0
Naphthalene	ND	ug/L	1.0
1,2,3-Trichlorobenzene	ND	ug/L	1.0
Acetone	ND	ug/L	10
2-Butanone	ND	ug/L	10
4-Methyl-2-pentanone	ND	ug/L	10
2-Hexanone	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0

Surrogate	Recovery	Acceptable Range
1,2-Dichloroethane-d4	96	80 -120
Toluene-d8	101	88 -110
Bromofluorobenzene	100	86 -115

ND = Not Detected

Quanterra
Environmental Services

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Test: 8260-A
Matrix: AQUEOUS

Method 8260 - Volatile Organics (cont.)

QC Run: 16 MAY 97-BDX

Date Analyzed: 16 MAY 97

Analyte	Result	Units	Reporting Limit
Dichlorodifluoromethane	ND	ug/L	1.0
Chloromethane	ND	ug/L	1.0
Vinyl chloride	ND	ug/L	1.0
Bromomethane	ND	ug/L	1.0
Chloroethane	ND	ug/L	1.0
Trichlorofluoromethane	ND	ug/L	1.0
1,1-Dichloroethene	ND	ug/L	1.0
Methylene chloride	ND	ug/L	1.0
trans-1,2-Dichloroethene	ND	ug/L	1.0
1,1-Dichloroethane	ND	ug/L	1.0
2,2-Dichloropropane	ND	ug/L	1.0
cis-1,2-Dichloroethene	ND	ug/L	1.0
Chloroform	ND	ug/L	1.0
Bromochloromethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	1.0
1,1-Dichloropropene	ND	ug/L	1.0
Carbon tetrachloride	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
Benzene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
Bromodichloromethane	ND	ug/L	1.0
Dibromomethane	ND	ug/L	1.0
Toluene	ND	ug/L	1.0
1,1,2-Trichloroethane	ND	ug/L	1.0
1,2-Dibromoethane (EDB)	ND	ug/L	1.0
1,3-Dichloropropane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	1.0
Dibromochloromethane	ND	ug/L	1.0
Chlorobenzene	ND	ug/L	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0
Ethylbenzene	ND	ug/L	1.0
Xylenes (total)	ND	ug/L	1.0
Styrene	ND	ug/L	1.0
Bromoform	ND	ug/L	1.0
1-Methylethylbenzene	ND	ug/L	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
1,2,3-Trichloropropane	ND	ug/L	1.0
n-Propylbenzene	ND	ug/L	1.0
Bromobenzene	ND	ug/L	1.0
1,3,5-Trimethylbenzene	ND	ug/L	1.0
2-Chlorotoluene	ND	ug/L	1.0
4-Chlorotoluene	ND	ug/L	1.0
tert-Butylbenzene	ND	ug/L	1.0
1,2,4-Trimethylbenzene	ND	ug/L	1.0
sec-Butylbenzene	ND	ug/L	1.0
Isopropyltoluene	ND	ug/L	1.0

ND = Not Detected

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Quanterra Environmental Services

Test: 8260-A
Matrix: AQUEOUS

Method 8260 - Volatile Organics (cont.)

QC Run: 16 MAY 97-BDX

Date Analyzed: 16 MAY 97

Analyte	Result	Units	Reporting Limit
1,3-Dichlorobenzene	ND	ug/L	1.0
1,4-Dichlorobenzene	ND	ug/L	1.0
n-Butylbenzene	ND	ug/L	1.0
1,2-Dichlorobenzene	ND	ug/L	1.0
1,2-Dibromo-3-chloro-propane (DBCP)	ND	ug/L	1.0
1,2,4-Trichlorobenzene	ND	ug/L	1.0
Hexachlorobutadiene	ND	ug/L	1.0
Naphthalene	ND	ug/L	1.0
1,2,3-Trichlorobenzene	ND	ug/L	1.0
Acetone	ND	ug/L	10
2-Butanone	ND	ug/L	10
4-Methyl-2-pentanone	ND	ug/L	10
2-Hexanone	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0

Surrogate	Recovery	Acceptable Range
1,2-Dichloroethane-d4	94	80 -120
Toluene-d8	107	88 -110
Bromofluorobenzene	102	86 -115

ND = Not Detected

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Quanterra Environmental Services

Test: 8260-A
Matrix: AQUEOUS

Method 8260 - Volatile Organics (cont.)

QC Run: 19 MAY 97-BDX

Date Analyzed: 19 MAY 97

Analyte	Result	Units	Reporting Limit
Dichlorodifluoromethane	ND	ug/L	1.0
Chloromethane	ND	ug/L	1.0
Vinyl chloride	ND	ug/L	1.0
Bromomethane	ND	ug/L	1.0
Chloroethane	ND	ug/L	1.0
Trichlorofluoromethane	ND	ug/L	1.0
1,1-Dichloroethene	ND	ug/L	1.0
Methylene chloride	ND	ug/L	1.0
trans-1,2-Dichloroethene	ND	ug/L	1.0
1,1-Dichloroethane	ND	ug/L	1.0
2,2-Dichloropropane	ND	ug/L	1.0
cis-1,2-Dichloroethene	ND	ug/L	1.0
Chloroform	ND	ug/L	1.0
Bromochloromethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	1.0
1,1-Dichloropropene	ND	ug/L	1.0
Carbon tetrachloride	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
Benzene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
Bromodichloromethane	ND	ug/L	1.0
Dibromomethane	ND	ug/L	1.0
Toluene	ND	ug/L	1.0
1,1,2-Trichloroethane	ND	ug/L	1.0
1,2-Dibromoethane (EDB)	ND	ug/L	1.0
1,3-Dichloropropane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	1.0
Dibromochloromethane	ND	ug/L	1.0
Chlorobenzene	ND	ug/L	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0
Ethylbenzene	ND	ug/L	1.0
Xylenes (total)	ND	ug/L	1.0
Styrene	ND	ug/L	1.0
Bromoform	ND	ug/L	1.0
1-Methylethylbenzene	ND	ug/L	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
1,2,3-Trichloropropane	ND	ug/L	1.0
n-Propylbenzene	ND	ug/L	1.0
Bromobenzene	ND	ug/L	1.0
1,3,5-Trimethylbenzene	ND	ug/L	1.0
2-Chlorotoluene	ND	ug/L	1.0
4-Chlorotoluene	ND	ug/L	1.0
tert-Butylbenzene	ND	ug/L	1.0
1,2,4-Trimethylbenzene	ND	ug/L	1.0
sec-Butylbenzene	ND	ug/L	1.0
Isopropyltoluene	ND	ug/L	1.0

ND = Not Detected

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Quanterra Environmental Services

Test: 8260-A
Matrix: AQUEOUS

Method 8260 - Volatile Organics (cont.)

QC Run: 19 MAY 97-BDX

Date Analyzed: 19 MAY 97

Analyte	Result	Units	Reporting Limit
1,3-Dichlorobenzene	ND	ug/L	1.0
1,4-Dichlorobenzene	ND	ug/L	1.0
n-Butylbenzene	ND	ug/L	1.0
1,2-Dichlorobenzene	ND	ug/L	1.0
1,2-Dibromo-3-chloro-propane (DBCP)	ND	ug/L	1.0
1,2,4-Trichlorobenzene	ND	ug/L	1.0
Hexachlorobutadiene	ND	ug/L	1.0
Naphthalene	ND	ug/L	1.0
1,2,3-Trichlorobenzene	ND	ug/L	1.0
Acetone	ND	ug/L	10
2-Butanone	ND	ug/L	10
4-Methyl-2-pentanone	ND	ug/L	10
2-Hexanone	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0

Surrogate	Recovery	Acceptable Range
1,2-Dichloroethane-d4	98	80 -120
Toluene-d8	106	88 -110
Bromofluorobenzene	102	86 -115

ND = Not Detected

Quanterra Environmental Services

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Test: 8260-A
Matrix: AQUEOUS

Method 8260 - Volatile Organics (cont.)

QC Run: 20 MAY 97-BDX

Date Analyzed: 20 MAY 97

Analyte	Result	Units	Reporting Limit
Dichlorodifluoromethane	ND	ug/L	1.0
Chloromethane	ND	ug/L	1.0
Vinyl chloride	ND	ug/L	1.0
Bromomethane	ND	ug/L	1.0
Chloroethane	ND	ug/L	1.0
Trichlorofluoromethane	ND	ug/L	1.0
1,1-Dichloroethene	ND	ug/L	1.0
Methylene chloride	ND	ug/L	1.0
trans-1,2-Dichloroethene	ND	ug/L	1.0
1,1-Dichloroethane	ND	ug/L	1.0
2,2-Dichloropropane	ND	ug/L	1.0
cis-1,2-Dichloroethene	ND	ug/L	1.0
Chloroform	ND	ug/L	1.0
Bromochloromethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	1.0
1,1-Dichloropropene	ND	ug/L	1.0
Carbon tetrachloride	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
Benzene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
Bromodichloromethane	ND	ug/L	1.0
Dibromomethane	ND	ug/L	1.0
Toluene	ND	ug/L	1.0
1,1,2-Trichloroethane	ND	ug/L	1.0
1,2-Dibromoethane (EDB)	ND	ug/L	1.0
1,3-Dichloropropane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	1.0
Dibromochloromethane	ND	ug/L	1.0
Chlorobenzene	ND	ug/L	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0
Ethylbenzene	ND	ug/L	1.0
Xylenes (total)	ND	ug/L	1.0
Styrene	ND	ug/L	1.0
Bromoform	ND	ug/L	1.0
1-Methylethylbenzene	ND	ug/L	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
1,2,3-Trichloropropane	ND	ug/L	1.0
n-Propylbenzene	ND	ug/L	1.0
Bromobenzene	ND	ug/L	1.0
1,3,5-Trimethylbenzene	ND	ug/L	1.0
2-Chlorotoluene	ND	ug/L	1.0
4-Chlorotoluene	ND	ug/L	1.0
tert-Butylbenzene	ND	ug/L	1.0
1,2,4-Trimethylbenzene	ND	ug/L	1.0
sec-Butylbenzene	ND	ug/L	1.0
Isopropyltoluene	ND	ug/L	1.0

ND = Not Detected

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Quanterra Environmental Services

Test: 8260-A
Matrix: AQUEOUS

Method 8260 - Volatile Organics (cont.)

QC Run: 20 MAY 97-BDX

Date Analyzed: 20 MAY 97

Analyte	Result	Units	Reporting Limit
1,3-Dichlorobenzene	ND	ug/L	1.0
1,4-Dichlorobenzene	ND	ug/L	1.0
n-Butylbenzene	ND	ug/L	1.0
1,2-Dichlorobenzene	ND	ug/L	1.0
1,2-Dibromo-3-chloro-propane (DBCP)	ND	ug/L	1.0
1,2,4-Trichlorobenzene	ND	ug/L	1.0
Hexachlorobutadiene	ND	ug/L	1.0
Naphthalene	ND	ug/L	1.0
1,2,3-Trichlorobenzene	ND	ug/L	1.0
Acetone	ND	ug/L	10
2-Butanone	ND	ug/L	10
4-Methyl-2-pentanone	ND	ug/L	10
2-Hexanone	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0

Surrogate	Recovery	Acceptable Range
1,2-Dichloroethane-d4	106	80 -120
Toluene-d8	105	88 -110
Bromofluorobenzene	106	86 -115

ND = Not Detected

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Quanterra Environmental Services

Test: 8260-A
Matrix: AQUEOUS

Method 8260 - Volatile Organics (cont.)

QC Run: 21 MAY 97-BCX

Date Analyzed: 21 MAY 97

Analyte	Result	Units	Reporting Limit
Dichlorodifluoromethane	ND	ug/L	1.0
Chloromethane	ND	ug/L	1.0
Vinyl chloride	ND	ug/L	1.0
Bromomethane	ND	ug/L	1.0
Chloroethane	ND	ug/L	1.0
Trichlorofluoromethane	ND	ug/L	1.0
1,1-Dichloroethene	ND	ug/L	1.0
Methylene chloride	ND	ug/L	1.0
trans-1,2-Dichloroethene	ND	ug/L	1.0
1,1-Dichloroethane	ND	ug/L	1.0
2,2-Dichloropropane	ND	ug/L	1.0
cis-1,2-Dichloroethene	ND	ug/L	1.0
Chloroform	ND	ug/L	1.0
Bromochloromethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	1.0
1,1-Dichloropropene	ND	ug/L	1.0
Carbon tetrachloride	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
Benzene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
Bromodichloromethane	ND	ug/L	1.0
Dibromomethane	ND	ug/L	1.0
Toluene	ND	ug/L	1.0
1,1,2-Trichloroethane	ND	ug/L	1.0
1,2-Dibromoethane (EDB)	ND	ug/L	1.0
1,3-Dichloropropane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	1.0
Dibromochloromethane	ND	ug/L	1.0
Chlorobenzene	ND	ug/L	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0
Ethylbenzene	ND	ug/L	1.0
Xylenes (total)	ND	ug/L	1.0
Styrene	ND	ug/L	1.0
Bromoform	ND	ug/L	1.0
1-Methylethylbenzene	ND	ug/L	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
1,2,3-Trichloropropane	ND	ug/L	1.0
n-Propylbenzene	ND	ug/L	1.0
Bromobenzene	ND	ug/L	1.0
1,3,5-Trimethylbenzene	ND	ug/L	1.0
2-Chlorotoluene	ND	ug/L	1.0
4-Chlorotoluene	ND	ug/L	1.0
tert-Butylbenzene	ND	ug/L	1.0
1,2,4-Trimethylbenzene	ND	ug/L	1.0
sec-Butylbenzene	ND	ug/L	1.0
Isopropyltoluene	ND	ug/L	1.0

ND = Not Detected

METHOD BLANK REPORT (cont.)
Volatile Organics by GC/MS
Project: 125886

Quanterra Environmental Services

Test: 8260-A
Matrix: AQUEOUS

Method 8260 - Volatile Organics (cont.)

QC Run: 21 MAY 97-BCX

Date Analyzed: 21 MAY 97

Analyte	Result	Units	Reporting Limit
1,3-Dichlorobenzene	ND	ug/L	1.0
1,4-Dichlorobenzene	ND	ug/L	1.0
n-Butylbenzene	ND	ug/L	1.0
1,2-Dichlorobenzene	ND	ug/L	1.0
1,2-Dibromo-3-chloro-propane (DBCP)	ND	ug/L	1.0
1,2,4-Trichlorobenzene	ND	ug/L	1.0
Hexachlorobutadiene	ND	ug/L	1.0
Naphthalene	ND	ug/L	1.0
1,2,3-Trichlorobenzene	ND	ug/L	1.0
Acetone	ND	ug/L	10
2-Butanone	ND	ug/L	10
4-Methyl-2-pentanone	ND	ug/L	10
2-Hexanone	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0

Surrogate	Recovery	Acceptable Range
1,2-Dichloroethane-d4	98	80 -120
Toluene-d8	100	88 -110
Bromofluorobenzene	98	86 -115

ND = Not Detected

APPENDIX B

GROUNDWATER PURGE AND SAMPLE FORMS

Daily Inspection Report No. _____ **Kennedy/Jenks/Chilton**

Contractor ——

Supt. on Job Rus Purcell

Weather Clear

Temperature 80 °F Max 70 °F Min

Work Hours 0650 to 1630 Memos Issued

Photos ——

Special Conditions, Delays, Changes ——

Sheet 1 of 2

Date 5/6/97

Project DAC

K/J/C Job No. 944016.02

Accidents Damage ——

Sampling, Testing See notes

Visitors to Site ——

Work Report (Work done, Personnel/Equipment working)

650 Arrived at site. Began prepairing to purge + sample monitor wells.

710 Began measuring water levels in wells.

Well #	Water	T.D.	Well #	Water	T.D.
WCC-5S	63.03	89.25	WCC-1S	~~83.40~~ 65.28	83.40
WCC-9S	62.11	89.00	WCC-3D	64.90	138.52
WCC-1D	65.32	135.50	WCC-3S	65.82	88.05
WCC-10S	64.90	~~88.74~~ 89.35	WCC-6S	65.85	89.05
WCC-2S	64.95	88.74	DAC-P1	66.64	89.95
WCC-11S	63.85	89.10			
WCC-12S	62.07	90.10			
WCC-7S	65.48	88.80			
WCC-8S	65.12	89.00			
WCC-4S	64.43	89.56			

Distribution: Inspection File (orig)
Field File

By [signature]

Daily Inspection Report

Kennedy/Jenks Consultants

200 New Stine Road, Suite 115
Bakersfield, California 93309
805-835-9785
FAX 805-831-5196

Job Title DAC Job No. 944016.02

Date 5/6/97 Sheet 2 of 2

1000 Noticed that IT Corp. is no longer on site. I began making preperations to order drums from an outside vender. I also used IT's decon facility on past monitoring events so ~~it~~ I will have to build a decon pad + find water + power.

1030 Enviro Supply in Fountain Valley can ~~sup~~ deliver 11 drums to site today at 1 O'clock + 9 more tomorrow morning.
Left site to buy supplies for decon.

1:00 Returned to site.
1530 Courier arrival at site with drums.
1630 Left site.

Inspector

F-4
Rev. 11/91

Daily Inspection Report No. _____ **Kennedy/Jenks/Chilton**

Contractor —

Supt. on Job Rus Purcell

Weather Clear

Temperature 85 °F Max 75 °F Min

Work Hours 7 AM to 1720 PM Memos Issued

Photos —

Special Conditions, Delays, Changes —

Sheet 1 of 1

Date 5/7/97

Project

K/J/C Job No. 944016.02

Accidents Damage —

Sampling, Testing See notes

Visitors to Site —

Work Report (Work done, Personnel/Equipment working)

0700 Arrived at DAC. Began prepairing to purge + sample Monitor Wells.

1020 Finished decon before First well + began setting pump into well # WCC-55.

Decon consists of steamcleaning the exterior of the pump, hose + lead then pumping First soapy water then fresh water through pump + hose.

Decon is performed before every well.

1615 Began purgeing WCC-25. Note: Original Crisby box was broken but has been replaced. The well casing elevation is unchanged. Collected duplicate sample from this well. Initial water from well was very black.

1720 Finished Final decon + left site.

Distribution: Inspection File (orig)
Field File

By

F-3
Rev. 9/86

BOE-C6-0097102

Groundwater Purge and Sample Form Date: 5/7/97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-5S

PROJECT NUMBER: 944016.02

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 63.03

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1055

PURGE DEPTH (FT) 77'

TIME END PURGE: 1118

TIME SAMPLED: 1120

COMMENTS: 1118 - Slowed purge rate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3 = 50 CASING VOLUME (GAL)
	89.25		63.03		26.22		0.16	0.64	1.44		16.78

TIME	1059	1105	1113	1115	1118		
VOLUME PURGED (GAL)	10 gal.	20 gal.	30 gal.	40 gal.	50 gal.		
PURGE RATE (GPM)	2	2	5	5	5		
TEMPERATURE (°C)	80.0	77.9	76.4	75.5	75.4		
pH	7.50	7.23	7.23	7.31	7.19		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1661.	1512.	1423.	1396.	1365.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Slightly Yel.	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	77'	77'	77'	77'	77'		
DEPTH TO WATER DURING PURGE (FT)			63.60	63.59	63.60		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

F-43.1 (5-89)

Groundwater Purge and Sample Form Date: 5-7-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-5S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1120 COMMENTS:

DEPTH SAMPLED (FT): 77'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC5S-18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 50 gal. COMMENTS:

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 79 °F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5/7/97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WEC-9S

PROJECT NUMBER: 944016.02 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 62.11 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1252 PURGE DEPTH (FT) 75'

TIME END PURGE: 1307

TIME SAMPLED: 1312

COMMENTS: 1307 - slowed purgerate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3 = 51 CASING VOLUME (GAL)
	89.00		62.11		26.89		0.16	0.64	1.44		17.2

TIME	1255	1257	1300	1303	1307		
VOLUME PURGED (GAL)	10gal.	20gal.	30gal.	40gal.	52gal.		
PURGE RATE (GPM)	3.4	3.4	3.4	3.4	3.4		
TEMPERATURE (°C)	79.2	77.9	75.6	74.5	74.3		
pH	7.64	7.63	7.75	7.54	7.60		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1413.	1038.	1022.	1023.	1029.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	semi Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	63.30	63.55	63.62	63.64	63.65		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-7-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-9S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1312 COMMENTS:

DEPTH SAMPLED (FT): 75'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC9S-18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 52 gal. COMMENTS:

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 80 °F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-7-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-1D

PROJECT NUMBER: 944016.02 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.32 MEASURING POINT DESCRIPTION: Top of ~~Casing~~ Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1355 PURGE DEPTH (FT) 100'

TIME END PURGE: 1439

TIME SAMPLED: 1445

COMMENTS: 1439 - Slowed purge rate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x3 = 135 CASING VOLUME (GAL)
	135.50		65.32		70.18		0.16	0.64	1.44		44.9

TIME	1358	1410	1418	1422	1430	1435	1439
VOLUME PURGED (GAL)	10gal.	40gal.	60gal.	~~100~~ 80 gal.	100 gal.	120 gal.	135 gal.
PURGE RATE (GPM)	3	3	3	3	3	3	3
TEMPERATURE (°C)	78.7	75.7	74.7	76.1	75.9	76.8	75.8
pH	7.83	7.62	7.70	7.67	7.71	7.87	7.69
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	714.	769.	703.	704.	692.	697.	686.
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	Clear
ODOR	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	100'	100'	100'	100'	100'	100'	100'
DEPTH TO WATER DURING PURGE (FT)	69.02	69.06	69.08	69.09	70.88	70.99	71.00
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-7-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-1D

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1445 COMMENTS:

DEPTH SAMPLED (FT): 100'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC1D-18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 135 gal. COMMENTS:

DISPOSAL METHOD: Drum storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 3 drums

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 80°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-7-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-10S

PROJECT NUMBER: 944016.02

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 64.90

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1515

PURGE DEPTH (FT) 75'

TIME END PURGE: 1524

TIME SAMPLED: 1528

COMMENTS: 1524 - Slowed purgerate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x 3 = 38 CASING VOLUME (GAL)
	89.35		64.90		19.95		0.16	0.64	1.44		12.7

TIME	1518	1520	1522	1524			
VOLUME PURGED (GAL)	10	20	30	40			
PURGE RATE (GPM)	5	5	5	5			
TEMPERATURE (°C)	76.8	75.6	74.9	75.2			
pH	7.68	7.58	7.55	7.44			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	957.	937.	933.	933.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'			
DEPTH TO WATER DURING PURGE (FT)		67.51	67.55	67.57			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-7-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-10S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1528 COMMENTS:

DEPTH SAMPLED (FT): 75'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC10S-18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 40 gal. COMMENTS:

DISPOSAL METHOD: Drum storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: YES NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: YES NO

WELL CASING OK?: YES NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 81 °F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-7-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-2S

PROJECT NUMBER: 944016.02

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 64.90

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1600

PURGE DEPTH (FT) 77'

TIME END PURGE: 1609

TIME SAMPLED: 1615

COMMENTS: First water from well is black & has a sour ~~bat~~ hyd. odor
1609 - slowed purge rate to 200 ml/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	K3 = 45 CASING VOLUME (GAL)
	88.74		64.90		23.84		0.16	0.64	1.44		15.25

TIME	1602	1604	1606	1608	1609		
VOLUME PURGED (GAL)	10	20	30	40	45		
PURGE RATE (GPM)	5	5	5	5	5		
TEMPERATURE (°C)	76.8	75.9	75.0	74.6	74.2		
pH	7.38	7.16	7.16	7.19	7.12		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1937.	1693.	1553	1514.	1500.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Black	dark grey	grey	light grey	light grey		
ODOR	Sour Hyd. odor	→					
DEPTH OF PURGE INTAKE (FT)	77'	77'	77'	77'	77'		
DEPTH TO WATER DURING PURGE (FT)		69.00	69.75	69.88	69.89		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-7-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC 2S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1615 COMMENTS: Duplicate sample collected from WCC-2S.

DEPTH SAMPLED (FT): 77'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC2S-18	3	VOA	HCL	—	120 mL	—	clear	YES	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 45 COMMENTS:

DISPOSAL METHOD: Drum storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS: Original box was destroyed during building demos. A new box has been installed.

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 78°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Daily Inspection Report No. _____ **Kennedy/Jenks/Chilton**

Contractor —

Supt. on Job Shane Scrimshire

Weather Clear

Temperature 82 °F Max 70 °F Min

Work Hours 0630 to 1700 Memos Issued

Photos —

Special Conditions, Delays, Changes —

Sheet 1 of 1

Date 5/8/97

Project

K/J/C Job No. 944016.02

Accidents Damage —

Sampling, Testing See notes

Visitors to Site —

Work Report (Work done, Personnel/Equipment working)

0630 Arrived at site. Performed first decon + began preparing to purge + sample wells.

0745 Began purging well # WCC-11S.
- Crisby box has been broken + lid is loose off over well. Casing is in good condition + well is cored with orange cones to prevent further damage.

1016 Noted that crisby box for well # WCC-8S is broken with only one bolt securing lid. Completion will have to be rebuilt.

1600 Collected sample from last well of the day (WCC-3S).
Will do final decon + leave site.

1700 Left site.

Distribution: Inspection File (orig)
Field File

By [signature]

F-3
Rev. 9/86

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-115

PROJECT NUMBER: 944016.02

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 63.85

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder

PURGE METHOD: Redi - Flow 2

TIME START PURGE: 0745

PURGE DEPTH (FT) 75'

TIME END PURGE: 0759

TIME SAMPLED: 0805

COMMENTS: 0759 - slowed purge rate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x 3 = 48 CASING VOLUME (GAL)
	89.10		63.85		25.25		0.16	0.64	1.44		16.16

TIME	0748	0751	0754	0757	0759		
VOLUME PURGED (GAL)	10gal.	20gal.	30gal.	40gal.	50gal.		
PURGE RATE (GPM)	3.3	3.3	3.3	3.3	3.3		
TEMPERATURE (°C)	70.7	70.4	70.4	70.5	70.2		
pH	7.46	7.43	7.22	7.21	7.19		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1163.	1172.	1186.	1194.	1197.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	75'	75'	75'	75'	75'		
DEPTH TO WATER DURING PURGE (FT)	69.05	69.29	69.45	69.51	69.54		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-11S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 0805 COMMENTS:

DEPTH SAMPLED (FT): 75'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC11S-18	3	VOA	HCL	—	120 mL	—	Clear	YES	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 50 gal. COMMENTS:

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL):

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 70°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

F-43.2 (5-89)

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-12S

PROJECT NUMBER: 944016.02 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 62.07 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder PURGE METHOD: Redi-Flow 2

TIME START PURGE: 0837 PURGE DEPTH (FT) 78'

TIME END PURGE: 0849

TIME SAMPLED: 0905

COMMENTS: 0849 - Slowed purge rate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X 3 = 53 CASING VOLUME (GAL)
	90.10		62.07		28.03		0.16	0.64	1.44		17.93

TIME	0841	0845	0847	0849			
VOLUME PURGED (GAL)	10gal.	30gal.	40gal.	55gal.			
PURGE RATE (GPM)	4.5	4.5	4.5	4.5			
TEMPERATURE (°C)	75.9	75.6	74.9	74.4			
pH	7.54	7.48	7.33	7.31			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1258.	1167.	1169.	1158.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'			
DEPTH TO WATER DURING PURGE (FT)	64.57	64.70	64.75	64.78			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-12S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 0905 COMMENTS:

DEPTH SAMPLED (FT): 78'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC12S-18	3	VOA	HCL	—	120mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 55 gal. COMMENTS: Noted on 5-9-97 that all water in drum has leaked from hole in bottom of drum.

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 72°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-7S

PROJECT NUMBER: 944016.02 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.48 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder PURGE METHOD: Redi-Flow

TIME START PURGE: 0925 PURGE DEPTH (FT) 77'

TIME END PURGE: 0942

TIME SAMPLED: 0948

COMMENTS: 0942 - slowed purge to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3=45 CASING VOLUME (GAL)
	88.80		65.48		23.32		0.16	0.64	1.44		14.91

TIME	0929	0936	0939	0942			
VOLUME PURGED (GAL)	10gal.	30gal.	40gal.	50gal			
PURGE RATE (GPM)	2.9	2.9	2.9	2.9			
TEMPERATURE (°C)	76.4	75.0	75.4	76.5			
pH	7.65	7.26	7.20	7.17			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1812.	1471.	1403.	1360.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	77'	77'	77'	77'			
DEPTH TO WATER DURING PURGE (FT)	64.35	64.41	64.44	64.65			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-75

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 0948 COMMENTS:

DEPTH SAMPLED (FT): 77'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAIN-ERS	CON-TAINER TYPE	PRESER-VATIVE	FIELD FILTRA-TION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUS-TODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC75-18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 50 COMMENTS:

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 75 °F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-8S

PROJECT NUMBER: 944016.02 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.12 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder PURGE METHOD: Redi - Flow - 2

TIME START PURGE: 1016 PURGE DEPTH (FT) 77'

TIME END PURGE: 1034

TIME SAMPLED: 1040

COMMENTS: 1034 - slowed purge to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X 3 = 45 CASING VOLUME (GAL)
	89.00		65.12		23.88		0.16	0.64	1.44		15.28

TIME	1019	1030	1032	1034			
VOLUME PURGED (GAL)	10gal.	30gal.	40gal.	50gal.			
PURGE RATE (GPM)	5	5	5	5			
TEMPERATURE (°C)	76.4	75.2	75.6	76.6			
pH	7.34	6.89	6.87	7.06			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1671.	1613.	1579.	1544.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	77'	77'	77'	77'			
DEPTH TO WATER DURING PURGE (FT)	66.30	66.43	66.46	66.47			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-8S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1040 COMMENTS:

DEPTH SAMPLED (FT): 77'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAIN-ERS	CON-TAINER TYPE	PRESER-VATIVE	FIELD FILTRA-TION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUS-TODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC8S-18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 50 gal. COMMENTS:

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 75°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-4S

PROJECT NUMBER: 944016.02 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 64.43 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1124 PURGE DEPTH (FT) 77'

TIME END PURGE: 1135

TIME SAMPLED: 1140

COMMENTS: 1135 - Slowed purge rate to 200 mL/min for sample collection

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3 = 48 CASING VOLUME (GAL)
	89.56		64.43		25.13		0.16	0.64	1.44		16

TIME	1127	1131	1133	1135			
VOLUME PURGED (GAL)	10	30	40	50			
PURGE RATE (GPM)	5	5	5	5			
TEMPERATURE (°C)	76.1	74.6	75.2	75.7			
pH	7.08	7.04	7.08	7.07			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1712.	1480.	1437.	1390.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	77'	77'	77'	77'			
DEPTH TO WATER DURING PURGE (FT)	65.36	65.41	65.41	65.41			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-4S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1140 COMMENTS:

DEPTH SAMPLED (FT): 77

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAIN-ERS	CON-TAINER TYPE	PRESER-VATIVE	FIELD FILTRA-TION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUS-TODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC4S18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 50 gal. COMMENTS:

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 82°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-1S

PROJECT NUMBER: 944016.02 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.28 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1333 PURGE DEPTH (FT) 82'

TIME END PURGE: 1348

TIME SAMPLED: 1355

COMMENTS: 1348 - slowed purge to 200 mL/min for sample collection

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3 = 8.69 CASING VOLUME (GAL)
	83.40		65.28		18.12		0.16	0.64	1.44		2.8

TIME	1336	1340	1344	1346	1348		
VOLUME PURGED (GAL)	2gal.	5gal.	8gal.	10gal.	12gal.		
PURGE RATE (GPM)	.8	.8	.8	.8	.8		
TEMPERATURE (°C)	83.6	79.3	77.9	77.5	77.4		
pH	8.65	7.85	7.15	6.95	7.09		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	882.	1558.	1959.	1898.	1803.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Yellow, Silty	Yellow, Silty	Light Yellow	Light Yellow	Light Yellow		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	82'	82'	82'	82'	82'		
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-15

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1355 COMMENTS:

DEPTH SAMPLED (FT): 82'

SAMPLING EQUIPMENT: Red.-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC15-16	3	VOA	HCL	—	120 mL	—	Light Yellow	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 12 gal. COMMENTS:

DISPOSAL METHOD: Drum storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): Stored drum with WCC-3D.

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 82°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-3D

PROJECT NUMBER: 944016.02 PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 64.90 MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1408 PURGE DEPTH (FT) 100'

TIME END PURGE: 1522

TIME SAMPLED: 1530

COMMENTS: 1522 - Slowed purge to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x3 = 141 CASING VOLUME (GAL)
	138.52		64.90		73.62		0.16	0.64	1.44		47

TIME	1411	1443	1500	1512	1522		
VOLUME PURGED (GAL)	10gal.	60gal.	100gal.	120gal.	140gal.		
PURGE RATE (GPM)	1.9	1.9	1.9	1.9	1.9		
TEMPERATURE (°C)	76.4	74.9	79.0	75.0	75.0		
pH	7.46	7.37	7.41	7.36	7.36		
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	735.	696	721.	697.	699.		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear		
ODOR	NO	NO	NO	NO	NO		
DEPTH OF PURGE INTAKE (FT)	100'	100'	100'	100'	100'		
DEPTH TO WATER DURING PURGE (FT)	74.05	84.84	85.00	85.15	85.25		
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-3D

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1530 COMMENTS:

DEPTH SAMPLED (FT): 100'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC3D-18	3	VOA	HCL	—	120mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 140 COMMENTS:

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 3 drums

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 80°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

F-43.2 (5-89)

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-3S

PROJECT NUMBER: 944016.02

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 65.82

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 1546

PURGE DEPTH (FT) 77'

TIME END PURGE: 1555

TIME SAMPLED: 1600

COMMENTS: 1555 - Slowed Flowrate to 200 mL/min for sample collection.

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3 = 42 CASING VOLUME (GAL)
	88.05		65.82		22.23		0.16	0.64	1.44		14.22

TIME	1548	1550	1552	1555			
VOLUME PURGED (GAL)	10	20	30	45			
PURGE RATE (GPM)	5	5	5	5			
TEMPERATURE (°C)	74.1	74.3	74.4	74.0			
pH	6.82	6.59	6.61	6.58			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	3,340.	2,500.	1,840.	1,470.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	Strong Sour Odor	Solvent odor	→	→			
DEPTH OF PURGE INTAKE (FT)	77'	77'	77'	77'			
DEPTH TO WATER DURING PURGE (FT)	66.60	66.65	66.65	66.65			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-8-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-35

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 1600 COMMENTS:

DEPTH SAMPLED (FT): 77'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAIN-ERS	CON-TAINER TYPE	PRESER-VATIVE	FIELD FILTRA-TION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUS-TODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC35-18	3	VOA	HCL	—	120 mL	—	Clear	YES	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 45 gal. COMMENTS:

DISPOSAL METHOD: Drum Storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 80°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Daily Inspection Report No. _____ **Kennedy/Jenks/Chilton**

Contractor Maness

Supt. on Job Shane Scrimshine

Weather Clear

Temperature 80 °F Max 70 °F Min

Work Hours 0730 to 1100 Memos Issued

Photos —

Special Conditions, Delays, Changes —

Sheet 1 of 2

Date 5/9/97

Project DAC

K/J/C Job No. 9440016.02

Accidents Damage —

Sampling, Testing See notes

Visitors to Site Maness Forklift operator

Work Report (Work done, Personnel/Equipment working)

0730 Arrival at site, Performed first decon + began prepairing to purge + sample well # WCC-6S.
- Jay Knight + operator from Maness are already on site to move purge water drums to the storage area North of Building 185.

0813 Began purgeing WCC-6S.
Will collected Duplicate sample from this well.

0830 Collected sample # WCC6S-18 + Dup-050997.

0901 Finished decon + collected Equipment Blank # EB-050997 by pouring lab prepaired water over the clean pump assembly + collecting the rinsate in 3 - VOAS.

Distribution: Inspection File (orig)
Field File

By [signature]

F-3
Rev. 9/86

BOE-C6-0097130

Daily Inspection Report **Kennedy/Jenks Consultants**

200 New Stine Road, Suite 115
Bakersfield, California 93309
805-835-9785
FAX 805-831-5196

Job Title DAC Job No. 944016.02

Date 5/9/97 Sheet 2 of 2

0917 Bryan purging well # DAC-P1.

0950 Finished purge + collected sample # DACP1-18. Manress moved the last of the purge water drums to the storage area about 100' East of well DAC-P1 + left site. Jay Knight also left site.

1035 Courier from Quanterra Labs arrival on site. I relinquished samples to him.

1100 I left site after demobing decon station + double checking labels on drums.

Inspector

F-4
Rev. 11/91

Groundwater Purge and Sample Form Date: 5-9-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: WCC-65

PROJECT NUMBER: 944016.02

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 66.64

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 0813

PURGE DEPTH (FT) 77'

TIME END PURGE: 0822

TIME SAMPLED: 0830

COMMENTS:

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	x3 = 43 CASING VOLUME (GAL)
	89.05		66.64		22.41		0.16	0.64	1.44		14.35

TIME	0815	0817	0820	0822			
VOLUME PURGED (GAL)	10gal.	20gal.	35gal.	45gal.			
PURGE RATE (GPM)	5	5	5	5			
TEMPERATURE (°C)	71.9	73.2	74.2	74.0			
pH	7.44	7.27	7.12	7.06			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	1150.	1,200.	1,250.	1270.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	Strong sour odor	Sour odor	→	→			
DEPTH OF PURGE INTAKE (FT)	77'	77'	77'	77'			
DEPTH TO WATER DURING PURGE (FT)	67.60	67.68	67.75	67.77			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-9-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: WCC-6S

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 0830 COMMENTS: Duplicate + Equipment Blank samples collected at WCC-6S EB-050997 collected @ 0901

DEPTH SAMPLED (FT): 77'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAINERS	CONTAINER TYPE	PRESERVATIVE	FIELD FILTRATION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUSTODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
WCC6S-18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	
Dup-050997	"	"	"	"	"	"	"	"	"	
EB-050997	"	"	"	"	"	"	"	"	"	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 45 gal. COMMENTS:

DISPOSAL METHOD: Drum storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 69°F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

Groundwater Purge and Sample Form Date: 5-9-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC

WELL NUMBER: DAC -P1

PROJECT NUMBER: 944016.02

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 66.64

MEASURING POINT DESCRIPTION: Top of Casing

WATER LEVEL MEASUREMENT METHOD: Electric Sounder

PURGE METHOD: Redi-Flow 2

TIME START PURGE: 0917

PURGE DEPTH (FT) 88'

TIME END PURGE: 0947

TIME SAMPLED: 0950

COMMENTS: Purged at 88' because of slow recovery.

0947 - slowed purge to 200 mL/min for sample collection

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	-	DEPTH TO WATER (FT)	=	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN) 2	4	6	=	X3= 45 CASING VOLUME (GAL)
	89.95		66.64		23.31		0.16	0.64	1.44		14.91

TIME	0929	0936	0941	0947			
VOLUME PURGED (GAL)	10gal.	20gal.	35gal.	45gal.			
PURGE RATE (GPM)	.83	1.4	3	.6			
TEMPERATURE (°C)	79.8	75.5	75.0	74.9			
pH	7.06	7.08	7.02	6.88			
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	2040.	1920.	1930	2,000.			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	88'	88'	88'	88'			
DEPTH TO WATER DURING PURGE (FT)	67.76	69.34	69.72	69.94			
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form Date: 5-9-97 **Kennedy/Jenks Consultants**

PROJECT NAME: DAC WELL NUMBER: DAC-P1

PROJECT NUMBER: PERSONNEL: Shane Scrimshire

SAMPLE DATA:

TIME SAMPLED: 0950 COMMENTS:

DEPTH SAMPLED (FT): 88'

SAMPLING EQUIPMENT: Redi-Flow 2

SAMPLE NO.	NO. OF CONTAIN-ERS	CON-TAINER TYPE	PRESER-VATIVE	FIELD FILTRA-TION	VOLUME FILLED (ml or L)	TURBIDITY	COLOR	SHIPPED UNDER CHAIN-OF-CUS-TODY AT 4°C?	ANALYSIS REQUEST (METHOD)	COMMENTS
DACP1-18	3	VOA	HCL	—	120 mL	—	Clear	Yes	8260	

PURGE WATER DISPOSAL NOTES:

TOTAL DISCHARGE (GAL): 45 gal. COMMENTS:

DISPOSAL METHOD: Drum storage

DRUM DESIGNATION(S)/VOLUME PER (GAL): 1 drum

WELL HEAD CONDITIONS CHECKLIST (CIRCLE YES OR NO - IF NO, ADD COMMENTS):

WELL SECURITY DEVICES OK (BOLLARDS, CHRISTY LID, CASING LID AND LOCK)?: (YES) NO

INSIDE OF WELL HEAD AND OUTER CASING DRY?: (YES) NO

WELL CASING OK?: (YES) NO

COMMENTS:

GENERAL:

WEATHER CONDITIONS: Clear

TEMPERATURE (SPECIFY °C OR °F): 70 °F

PROBLEMS ENCOUNTERED DURING PURGING OR SAMPLING? NO

cc: Project Manager: Rus Purcell
Job File:
Other:

APPENDIX C

CHAIN-OF-CUSTODY RECORDS

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy / Jenks	Rus Purcell	5/~~6~~ 7/97	72881

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 2
2151 Michelson Dr. Suite 100	714-261-1577		

City	State	Zip Code	Site Contact	Lab Contact
Irvine	CA.	92612		

Project Name	Carrier/Waybill Number
DAC	

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 8260	Special Instructions/ Conditions of Receipt
WCC5S-18	5-~~6~~ 7-97	1120	X						X			X	
WCC9S-18	"	1312	X						X			X	
WCC1D-18	"	1445	X						X			X	
WCC10S-18	"	1528	X						X			X	
WCC2S-18	"	1615	X						X			X	
Dup-050797	"	—	X						X			X	
TB-050797	"	—	X						X			X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	5-9-97	1035	1. Received By: P Bautista	5-9-97	1035
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0097137

Chain of Custody Record

QUA-4124-1

Quanterra Environmental Services

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Rus Purcell	5-8-97	72882
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	
2151 Michelson Dr. Suite 100	714-261-1577		Page 2 of 2

City	State	Zip Code	Site Contact	Lab Contact
Irvine	CA.	92612		

Project Name	Carrier/Waybill Number
DAC	

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): 8260											Special Instructions/ Conditions of Receipt
WCC11S-18	5-8-97	0805	X							X				X											
WCC12S-18	"	0905	X							X				X											
WCC7S-18	"	0948	X							X				X											
WCC 8S-18	"	1040	X							X				X											
WCC 4S-18	"	1140	X							X				X											
WCC 1S-18	"	1355	X							X				X											
WCC 3D-18	"	1530	X							X				X											
WCC 3S-18	"	1600	X							X				X											
WCC 6S-18	5-9-97	0830	X							X				X											
DAC P1-18 SCS	"	0950	X							X				X											
Dup-050997	"	—	X							X				X											
EB-050997	"	0901	X							X				X											

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	5-9-97	1035	PBaulsla	5-9-97	1035
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0097138