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GROUNDWATER MONITORING
DATA SUMMARY REPORT
THIRD QUARTER, 1992

DOUGLAS AIRCRAFT COMPANY C-6 FACILITY
TORRANCE, CALIFORNIA

K/J 924010.00
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GROUNDWATER MONITORING DATA SUMMARY REPORT
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1.0 INTRODUCTION

The Douglas Aircraft Company (DAC) C-6 Facility is located at 19503 South Normandie Avenue, Torrance, California (Figure 1). Quarterly groundwater sampling is being conducted in response to the California Regional Water Quality Control Board - Los Angeles Region correspondence addressed to DAC and dated 7 April 1992. This report summarizes laboratory analytical data generated through the chemical analyis of groundwater samples collected during the period of 21-23 September 1992.

2.0 QUARTERLY MONITORING PROGRAM

Third Quarter 1992 groundwater sampling was performed in accordance with standard sampling procedures. Static water level depths were measured on 21 September 1992 prior to initiating purging of groundwater from any observation wells.

Groundwater samples were collected from the following wells and chemically analyzed for volatile organic compounds (VOCs) by EPA Method 8240:

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. Table 2 summarizes the results of chemical analysis of groundwater samples and duplicates. Table 3 summarizes available measured groundwater elevations to date. 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 by using an electrical submersible pump that was temporarily installed into 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 preceeding readings: pH, electrical conductivity, temperature and clarity. Purged groundwater was stored onsite in DOT approved 55 gallon barrels pending the results of laboratory analysis of samples.

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

One blind duplicate groundwater sample was collected each day from selected observation wells for Quality Control purposes. Duplicates were collected in four HCl-preserved vials and identified by inserting the collection date after "DW-". For example, a duplicate sample collected on 21 September 1992 was identified as "DW-061692". No further sample identification was provided to the laboratory.

2.2 Field QA/QC Procedures

To verify that the groundwater samples were not exposed to analytes during storage and transportation to the analytical laboratory and that decontamination of sampling equipment was satisfactory to prevent cross-contamination of groundwater samples, trip blanks and field (equipment) blanks were chemically analyzed for VOCs. One trip blank was placed in the ice-cooled storage/transportation chest when the first groundwater sample was collected, and transported to the laboratory with the day's samples. Trip blanks were identified following a similar protocol to that used for duplicate water samples. For example, a trip blank prepared on 21 September 1992 was identified as "TB-092192".

Following decontamination of the bailer by steam-cleaning, and prior to collection of groundwater samples from successive wells, a field blank was prepared for laboratory analysis. Each field blank was prepared by pouring Reagent Grade II (Milli-Que) water, prepared by the analytical laboratory, through the bailer and discharge spigot and collecting the rinsate in one 40-ml vial preserved with HCl. Field blanks were identified following a similar protocol to that used for duplicate water samples. For example, a field blank prepared on 21 September 1992 was identified as "FB-092192". The well sampled following field blank preparation was recorded.

All groundwater, duplicate, trip blank and field blank samples were transported in ice-cooled chests to West Coast Analytical Services, Inc. Santa Fe Springs, 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 21 September 1992 (Table 3 and Appendix B). An estimated potentiometric surface map for the shallow zone is presented as Figure 4. The groundwater gradient in the shallow zone was generally south-southeast with a southerly trough-like depression in the vicinity of observation wells WCC-7S and WCC-12S based on September 1992 measurements. Prior reports prepared by Woodward-Clyde Consultants (WCC, Phase II Report, May 1988; Phase III Report, March 1990) have indicated a generally southeast gradient direction, which is similar to current estimated conditions. Insufficient data (two wells) are available to define the groundwater gradient in the deeper zone.

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3.2 Analytical Data

The results of chemical analysis of groundwater and duplicate samples are summarized on Table 2. Duplicate groundwater samples are indicated by an asterisk and are presented with the "original" groundwater sample. This table includes cumulative analytical data for all monitoring wells and includes 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 that TCE concentrations have increased from 21,000 micrograms per liter (ug/L) to 28,000 ug/L coming onto DAC's property.

- Background concentrations of TCE in the shallow zone upgradient wells, WCC-10S, WCC-2S and WCC-11S, have generally increased to 120 ug/L, 100 ug/L and 120 ug/l, respectively. In addition, numerous additional chemicals were detected in groundwater samples for the first time, and at relatively low concentrations (1-96 ug/L). These compounds are denoted by a double asterisk in Table 2.

- TCE and other VOC concentrations (Table 2), in samples collected from shallow zone downgradient wells WCC-5S and WCC-9S, and WCC-12S, in conjunction with groundwater elevation data, indicate that the groundwater gradient and attendant chemical transport is in a generally southerly direction in the vicinity of Building 36 (Figures 3 and 4). The data do not suggest chemical migration offsite.

- TCE and other VOC concentrations (Table 2), in samples collected from the two deeper zone wells (WCC-1D and WCC-3D), indicate a decrease in concentrations from previous sampling round.

- Low concentrations of Tetrahydrofuran and Freon-TF were detected in two field blanks (FB-092192) and FB-092292) at low concentrations (1-6 ug/L). Tetrahydrofuran was also detected in one lab blank (09239, 10 ug/L). Methylene Chloride was detected in all samples including field and laboratory blanks. Tetrahydrofuran, Freon-TF and Methylene Chloride are most likely laboratory contaminants.

OBSERVATION WELL CONSTRUCTION DETAILS
GROUNDWATER MONITORING DATA SUMMARY REPORT
SECOND QUARTER, 1992
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
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Well	Date Constructed	Well Diameter (inches)	Total Depth of Borehole (Feet)	Depth of Screened Interval (Feet)	Depth to top of Sand Filter Pack (Feet)	Well Casing Material and Slot Size	Hydrogeologic Unit Screened
WCC-1S[1]	03-26-87	2	91	78-88	72	Schedule 40 PVC 0.020-Inch Slots	Shallow
WCC-2S[1]	10-28-87	4	90.5	70-90	63	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-3S[1]	10-26-87	4	92.0	69-89	64	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-4S[1]	10-27-87	4	91.5	70.5-90.5	65	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-5S[1]	11-24-87	4	91	60.5-91	58.5	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-6S[2]	09-22-89	4	91	60-90	N/A[3]	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-7S[2]	06-08-89	4	90.5	60-90	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-8S[2]	06-12-89	4	90	59.5-89.5	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-9S[2]	09/21/89	4	91.5	60-90	55	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-10S[2]	06-07-89	4	90.8	60-90	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-11S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-12S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
DAC-P1	09-25-89	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-1D[2]	06-30-89	4	140	120-140	115	Schedule 40 PVC 0.010-Inch Slots	Deeper
WCC-3D[2]	06-27-89	4	140	120-140	114	Schedule 40 PVC 0.010-Inch Slots	Deeper

Notes:
1. Data taken from Woodward-Clyde Consultants Phase II Report, May 1988
2. Data taken from Woodward-Clyde Consultants Phase III Report, March 1990
3. Not Available

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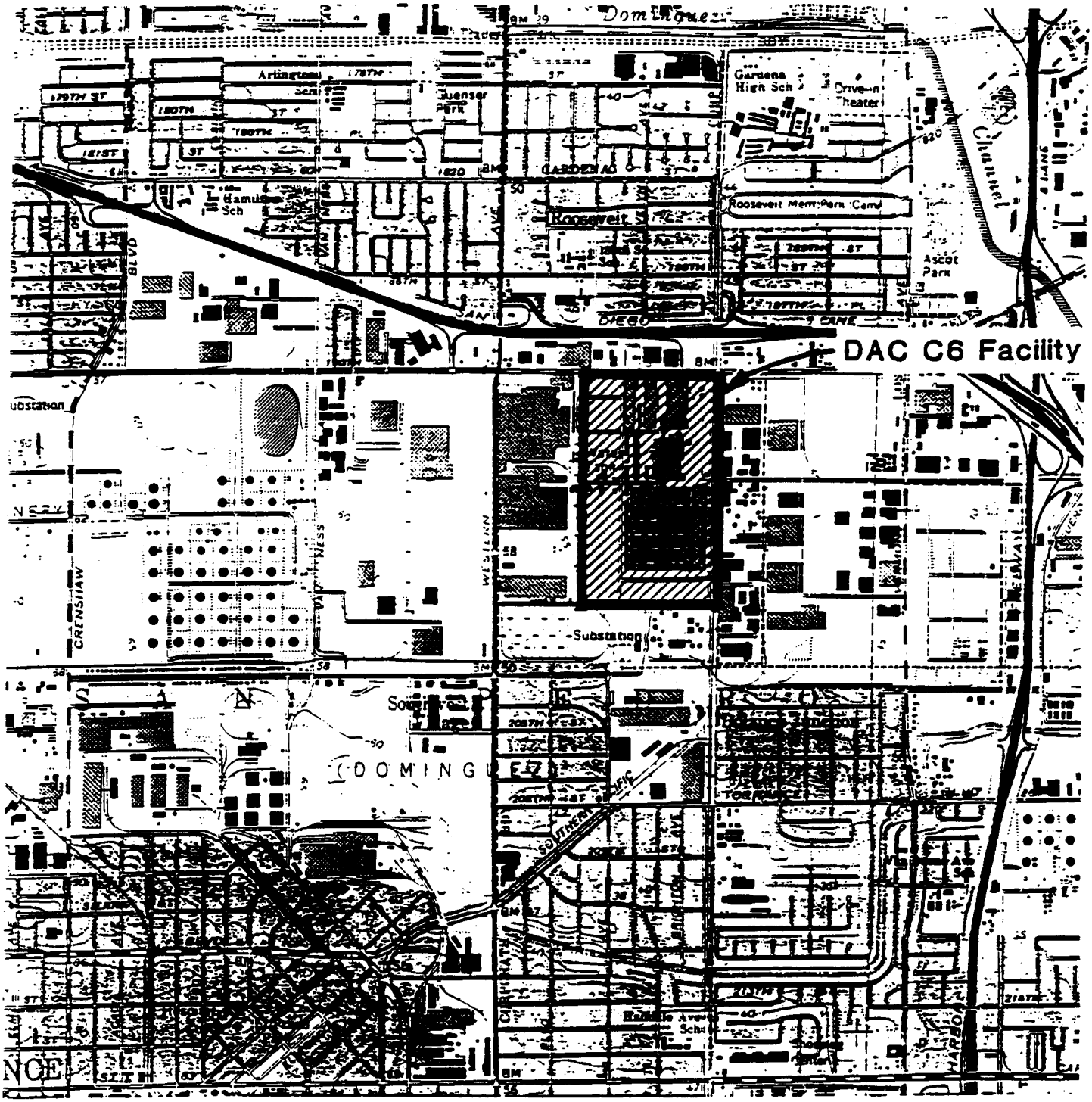

N

0 1,000 2,000 FEET

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

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McDonnell Douglas Corporation
DAC C6 Facility

Site Vicinity Map

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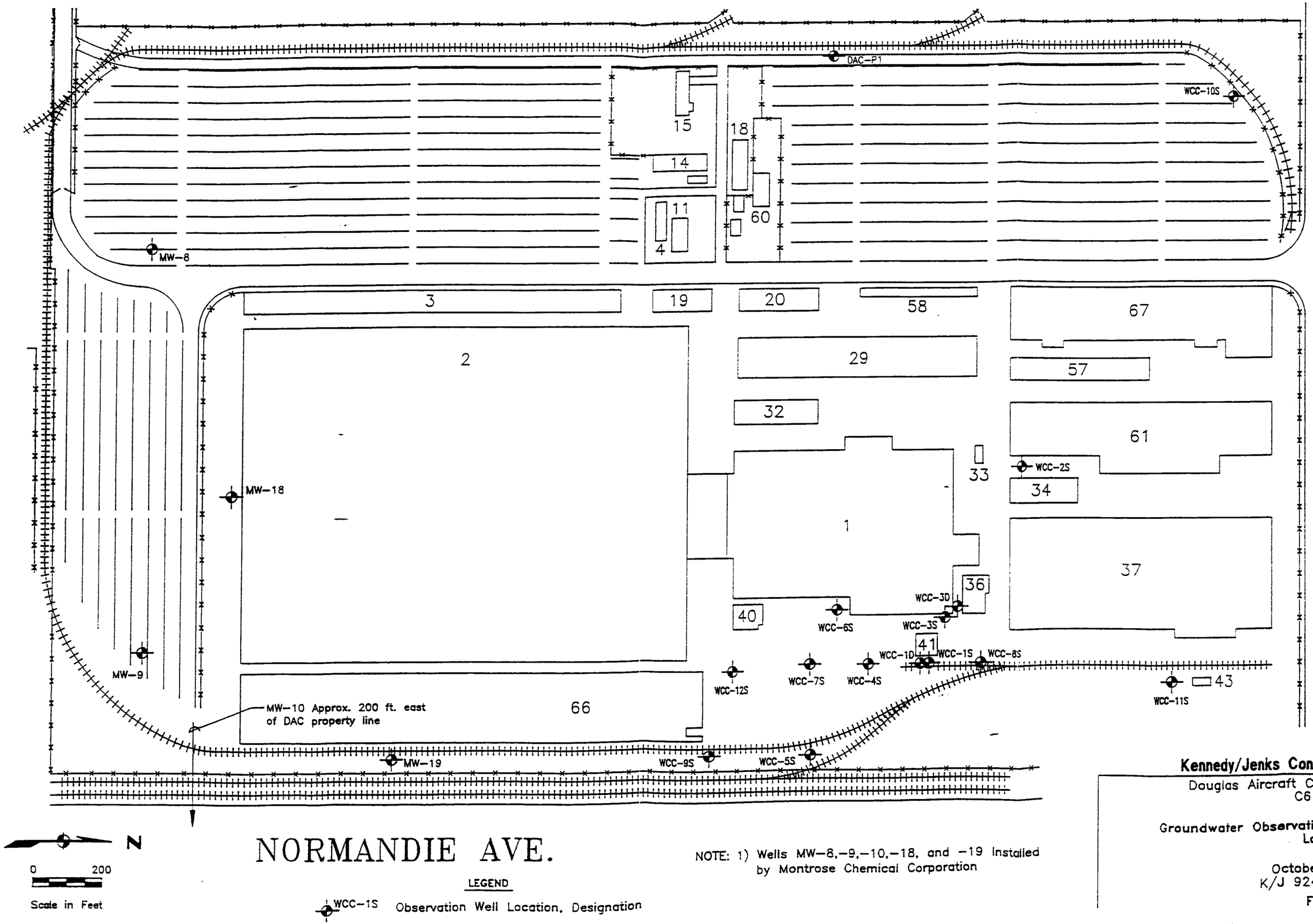
Figure 1



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

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Douglas Aircraft Company
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Groundwater Observation Well Locations

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Figure 2

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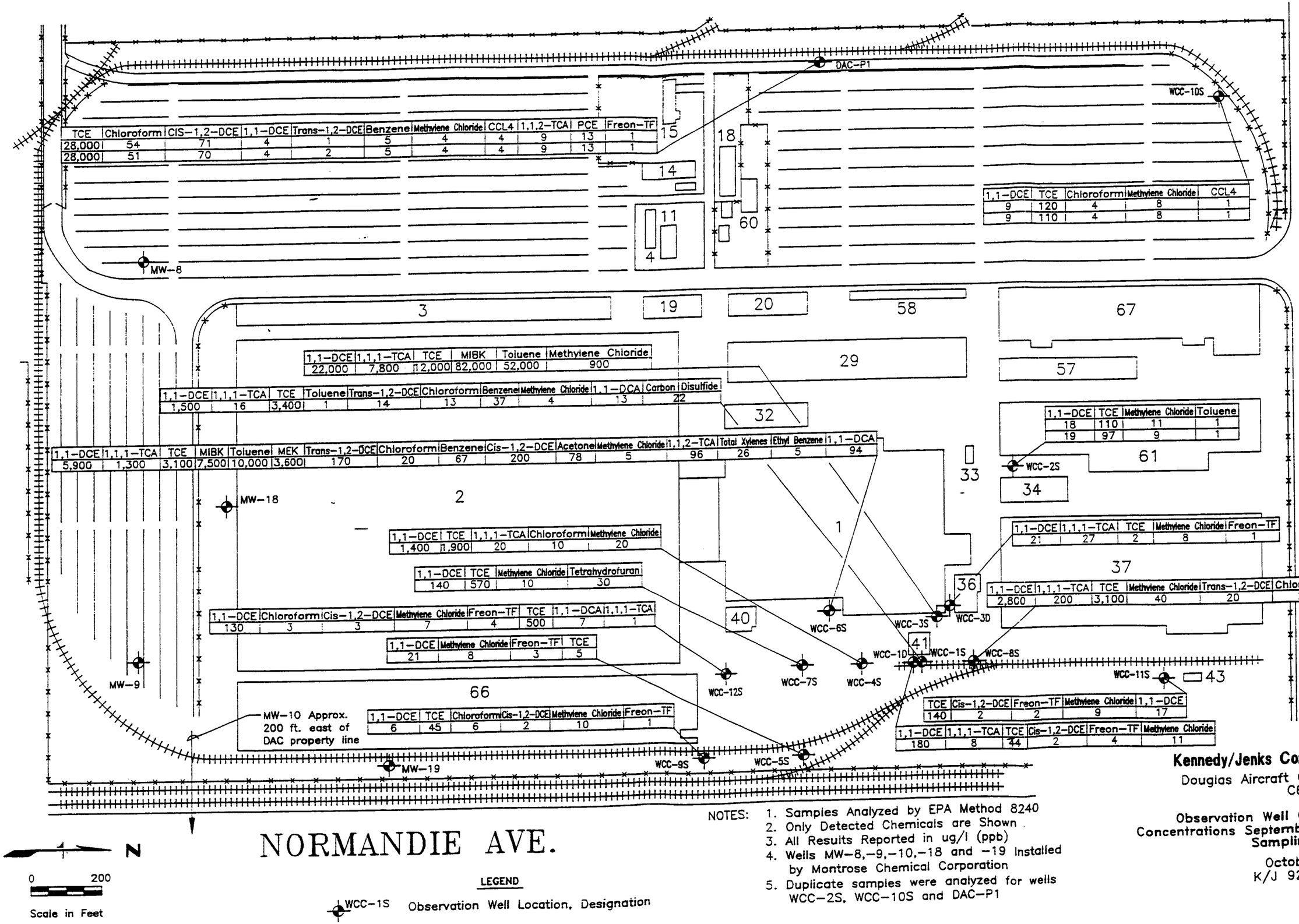

TCE	Chloroform	CIS-1,2-DCE	1,1-DCE	Trans-1,2-DCE	Benzene	Methylene Chloride	CCL4	1,1,2-TCA	PCE	Freon-TF
28,000	54	71	4	1	5	4	4	9	13	1
28,000	51	70	4	2	5	4	4	9	13	1

1,1-DCE	TCE	Chloroform	Methylene Chloride	CCL4
9	120	4	8	1
9	110	4	8	1

1,1-DCE	1,1,1-TCA	TCE	MIBK	Toluene	Methylene Chloride
22,000	7,800	12,000	82,000	52,000	900

1,1-DCE	1,1,1-TCA	TCE	Toluene	Trans-1,2-DCE	Chloroform	Benzene	Methylene Chloride	1,1-DCA	Carbon Disulfide
1,500	16	3,400	1	14	13	37	4	13	22

1,1-DCE	1,1,1-TCA	TCE	MIBK	Toluene	MEK	Trans-1,2-DCE	Chloroform	Benzene	Cis-1,2-DCE	Acetone	Methylene Chloride	1,1,2-TCA	Total Xylenes	Ethyl Benzene	1,1-DCA
5,900	1,300	3,100	7,500	10,000	3,600	170	20	67	200	78	5	96	26	5	94

1,1-DCE	TCE	Methylene Chloride	Toluene
18	110	11	1
19	97	9	1

1,1-DCE	TCE	1,1,1-TCA	Chloroform	Methylene Chloride
1,400	1,900	20	10	20

1,1-DCE	1,1,1-TCA	TCE	Methylene Chloride	Freon-TF
21	27	2	8	1

1,1-DCE	TCE	Methylene Chloride	Tetrahydrofuran
140	570	10	30

1,1-DCE	1,1,1-TCA	TCE	Methylene Chloride	Trans-1,2-DCE	Chloroform
2,800	200	3,100	40	20	20

1,1-DCE	Chloroform	Cis-1,2-DCE	Methylene Chloride	Freon-TF	TCE	1,1-DCA	1,1,1-TCA
130	3	3	7	4	500	7	1

1,1-DCE	Methylene Chloride	Freon-TF	TCE
21	8	3	5

1,1-DCE	TCE	Chloroform	Cis-1,2-DCE	Methylene Chloride	Freon-TF
6	45	6	2	10	1

TCE	Cis-1,2-DCE	Freon-TF	Methylene Chloride	1,1-DCE
140	2	2	9	17

1,1-DCE	1,1,1-TCA	TCE	Cis-1,2-DCE	Freon-TF	Methylene Chloride
180	8	44	2	4	11

NOTES:
1. Samples Analyzed by EPA Method 8240
2. Only Detected Chemicals are Shown
3. All Results Reported in ug/l (ppb)
4. Wells MW-8,-9,-10,-18 and -19 Installed by Montrose Chemical Corporation
5. Duplicate samples were analyzed for wells WCC-2S, WCC-10S and DAC-P1

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Observation Well Chemical Concentrations September 1992 Sampling Event

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Figure 3

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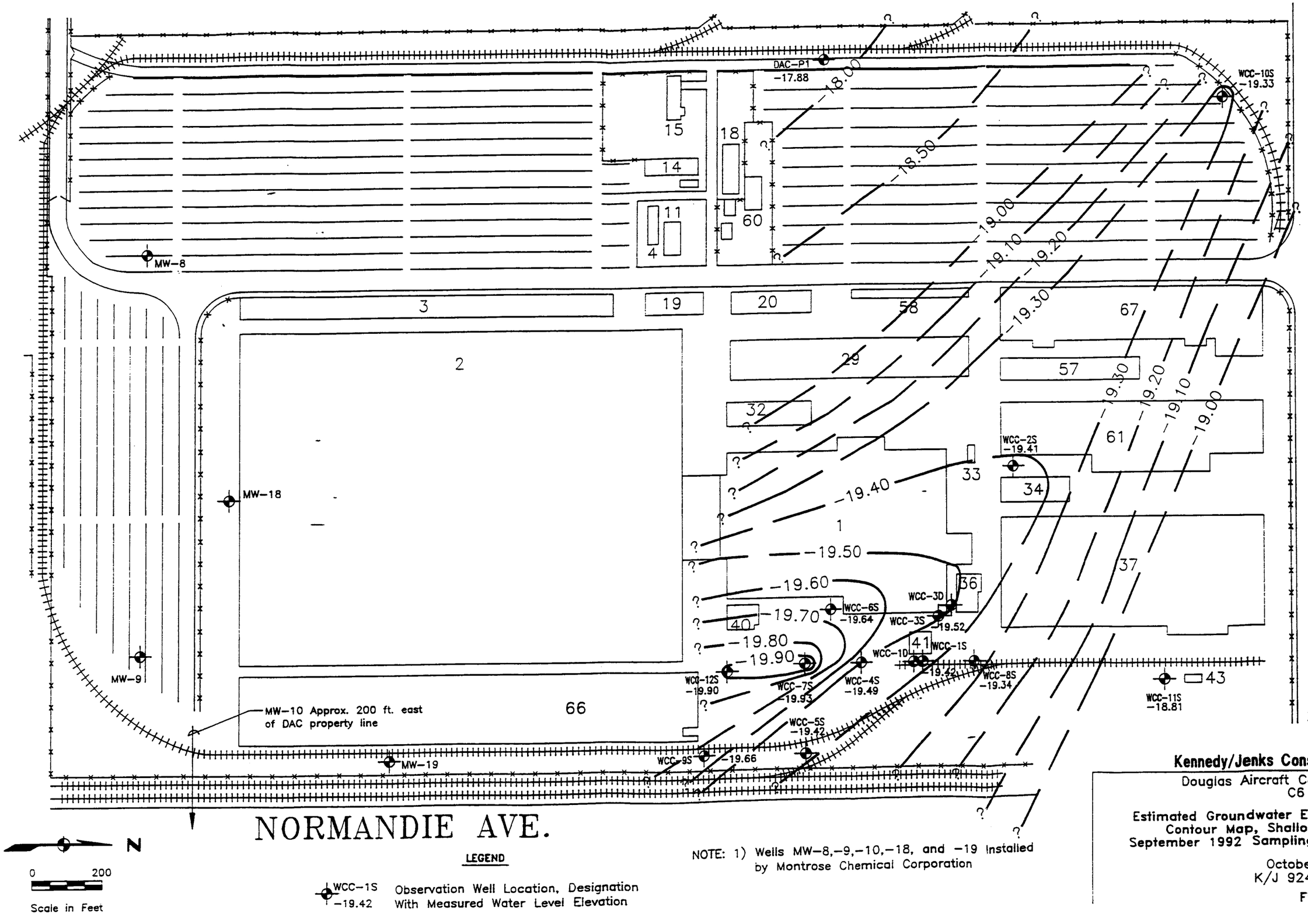

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TABLE 3

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SUMMARY OF GROUNDWATER ELEVATION DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
THIRD QUARTER 1992
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.00

Observation Well	Reference Point[1] Elevation (*Feet Above MSL)	Water Level Elevation (*Feet Above Mean Sea Level)			
		11/13/87[2]	10/18/89[3]	06/15/92	09/21/92
WCC-1S	50.70	-21.63	-19.48	-19.20	-19.42
WCC-2S	50.59	-19.72	-19.06	-19.15	-19.41
WCC-3S	51.19	-21.56	-19.42	-19.24	-19.52
WCC-4S	49.69	-21.77	-19.59	-19.22	-19.49
WCC-5S	48.22	NA[4]	-19.70	-19.13	-19.42
WCC-6S	50.95	NA	-19.70	-19.40	-19.64
WCC-7S	48.29	NA	-20.07	-19.63	-19.93
WCC-8S	50.56	NA	-19.35	-19.11	-19.34
WCC-9S	47.01	NA	-20.07	-19.44	-19.66
WCC-10S	51.12	NA	-18.42	-18.94	-19.33
WCC-11S	49.97	NA	NA	-17.62	-18.81
WCC-12S	46.92	NA	NA	-19.60	-19.90
DAC-P1	52.44	NA	NA	-17.76	-17.88
WCC-1D	50.45	NA	-19.51	-19.55	-19.92
WCC-3D	51.18	NA	-19.38	-19.39	-19.71

Notes:
1 Reference point is north side, top of well casing
2 Data taken from Woodward-Clyde Consultants Phase II Report, May 1988
3 Data taken from Woodward-Clyde Consultants Phase III Report, March, 1990
4 Not available

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT

COMPOUNDS DETECTED BY EPA METHOD 8240 - All results are reported in µg/L (ppb)

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	trans-1,2-DCE	Chloroform	Toluene	Benzene	cis-1,2-DCE	MEK	Acetone	Total Xylenes***	Freon-TF***	Methlyene*** Chloride	Tetra-*** Hydrofuran	Carbon Tetra-Chloride**	1,1,2-TCA**	PCE**	Carbon** Disulfide	Ethyl-** Benzene
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	<30	<30	<30	<30	41	-	-	-	-	-	-	-	-	-	-	-
	11/18/91	1,300	-	-	3,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/17/92	1,700	<50	<50	3,800	<100	<50	<50	<50	<50	<5	<100	<300	-	-	-	-	-	-	-	-	-
	09/23/92	1,500	13	16	3,400	<5	14	13	1	37	<1	<5	<5	<1	<1	4	<5	<1	<1	<1	22	<1
WCC-2S	11/02/87	5	-	5	14	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/12/87	2	-	1	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/89	<1	<1	<1	5	<5	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	<1	<1	<1	3	<5	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-
	11/19/91	30	-	8	110	-	-	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/16/92	30	<5	<5	100	<10	<5	<5	<5	<5	<5	<10	<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	<5/<5	<1/<1	<1/1	11/9	<5/<5	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
WCC-3S	11/02/87	38,000	-	110,000	10,000	54,000	-	-	80,000	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/12/87	88,000	1,000	54,000	11,000	70,000	1,000	-	140,000	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/89	18,000	<500	56,000	7,700	<3,000	660	<500	32,000	<500	<500	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	56,000	<1,000	78,000	6,000	<5,000	<1,000	<1,000	56,000	<1,000	<1,000	-	-	-	-	-	-	-	-	-	-	-
	11/14/91	12,000	400	6,900	7,900	70,000	550	250	27,000	-	550	12,000	-	-	-	-	-	-	-	-	-	-
	06/17/92	25,000	<5,000	13,000	13,000	100,000	<5,000	<5,000	51,000	<5,000	<5,000	<10,000	<30,000	<500	<500	900	<3,000	<500	<500	<500	<500	<500
	09/23/92	22,000	<500	7,800	12,000	82,000	<500	<500	52,000	<500	<500	<3,000	<3,000									
WCC-4S	11/02/87	360	-	14	700	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/12/87	1,200	-	35	690		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/13/89	170	<3	11	270	-	<3	<3	<3	<3	10	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	360	<5	7	410	<20	<5	<5	<5	<5	15	-	-	-	-	-	-	-	-	-	-	-
	11/18/91	1,000	-	20	2,200	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/17/92	920	<25	<25	1,500	<50	<25	<25	<25	<25	<25	<50	<150	<10	<10	20	<50	<10	<10	<10	<10	<10
	09/23/92	1,400	<10	20	1,900	<50	<10	10	<10	<10	<10	<50	<50									
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	<1/<1	<1/<1	<1/<1	<1/<1	6/6	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	<1	<1	12	<5	<1	<1	<1	<1	<1	4	-	-	-	-	-	-	-	-	-	-	-
	11/19/91	20	-	-	8	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/15/92	28	<5	<5	7	<10	<5	<5	<5	<5	<5	<10	<10	-	-	-	-	-	-	-	-	-
	09/21/92	21	<1	<1	5	<5	<1	<1	<1	<1	<1	<5	<5	<1	3	8	<5	<1	<1	<1	<1	<1
WCC-6S	10/06/89	210	4	130	140	<5	7	<1	<1	<1	12	-	-	-	-	-	-	-	-	-	-	-
	11/19/91	5,800	-	5,000	3,000	17,000	-	-	35,000	-	-	21,000	-	-	-	-	-	-	-	-	-	-
	06/17/92	5,400	<500	2,100	3,000	7,600	<500	<500	15,000	<500	<500	6,300	<3,000	-	-	-	-	-	-	-	-	-
	09/23/92	5,900	94	1,300	3,100	7,500	170	20	10,000	67	200	3,600	78	26	<1	5	<5	<1	96	<1	<1	5
WCC-7S	07/13/89	850	<10	110	1,300	<50	11	<10	<10	<10	26	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	1,100	<30	66	1,400	<100	<30	<30	<30	<30	31	-	-	-	-	-	-	-	-	-	-	-
	11/18/91	390	-	-	1,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/17/92	230	<5	<5	560	<10	<5	<5	<5	<5	<5	<10	<30	<5	<5	10	30	<5	<5	<5	<5	<5
	09/23/92	140	<5	<5	570	<30	<5	<5	<5	<5	<5	<30	<30									

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT

COMPOUNDS DETECTED BY EPA METHOD 8240 - All results are reported in µg/L (ppb)

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	trans-1,2-DCE	Chloroform	Toluene	Benzene	cis-1,2-DCE	MEK	Acetone	Total Xylenes[3]	Freon-TF[4]	Methlyene Chloride***	Tetra-hydrofuran***	Carbon-tetra-Chloride***	1,1,2-TCA***	PCE***	Carbon Disulfide***	Ethyl Benzene***
WCC-8S	07/13/89	430	<5	160	240	<30	9	<5	<5	<5	7	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	820	<5	130	430	<30	<5	<5	<5	<5	7	-	-	-	-	-	-	-	-	-	-	-
	11/15/91	2,600	-	400	3,000	-	40	25	120	-	40	-	-	-	-	-	-	-	-	-	-	-
	*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	<150/<300	-	-	-	-	-	-	-	-	-
	09/23/92	2,300	<20	200	3,100	<100	20	20	<20	<20	<20	<100	<100	<20	<20	40	<100	<20	<20	<20	<20	<20
WCC-9S	10/06/89	<1	<1	<1	15	<5	<1	<1	<1	<1	7	-	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/15/92	7	<5	<5	42	<10	<5	<5	<5	<5	<5	<10	<30	-	-	-	-	-	-	-	-	-
	09/21/92	6	<1	<1	45	<5	<1	6	<1	<1	2	<5	<5	<1	1	10	<5	<1	<1	<1	<1	<1
WCC-10S	*07/13/89	2/1	<1/<1	<1/<1	86/87	<5/<5	<1/<1	3/3	<1/<1	<1/<1	<1/<1	-	-	-	-	-	-	-	-	-	-	-
	08/23/89	4	<1	<1	81	5	<1	4	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-
	11/20/91	-	-	-	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/16/92	10	<5	<5	120	<10	<5	<5	<5	<5	<5	13	35	-	-	-	-	-	-	-	-	-
	*09/21/92	9/9	<1/<1	<1/<1	120/110	<5/<5	<1/<1	4/4	<1/<1	<1/<1	<1/<1	<5/<5	<5/<5	<1/<1	<1/<1	8/8	<5/<5	1/1	<1/<1	<1/<1	<1/<1	<1/<1
WCC-11S	11/15/91	10	-	-	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/16/92	21	<5	<5	120	<10	<5	<5	<5	<5	<5	<10	<10	-	-	-	-	-	-	-	-	-
	09/21/92	17	<1	<1	140	<5	<1	<1	<1	<1	2	<5	<5	<1	2	9	<5	<1	<1	<1	<1	<1
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	<10/<10	-	-	-	-	-	-	-	-	-
	09/22/92	130	7	1	500	<5	<1	3	<1	<1	3	<5	<5	<1	4	7	<5	<1	<1	<1	<1	<1
DAC-P1	10/09/89	<200	<200	<200	17,000	<1,000	<200	<200	<200	<200	<200	<1,000	<1,000	-	-	-	-	-	-	-	-	-
	06/17/92	<5	<5	<5	21,000	<10	<5	10	<5	<5	13	<10	<30	-	-	-	-	-	-	-	-	-
	*09/23/92	4/4	<1/<1	<1/<1	28000/28000	<5/<5	1/2	54/51	<1/<1	5/5	71/70	<5/<5	<5/<5	<1/<1	1/1	4/4	<5/<5	4/4	9/9	13/13	<1/<1	<1/<1
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	<50/<50	-	-	-	-	-	-	-	-	-
	09/22/92	180	<1	8	44	<5	<1	<1	<1	<1	2	<5	<5	<1	4	11	<5	<1	<1	<1	<1	<1
WCC-3D	07/25/89	<1	<1	49	4	<5	<1	<1	3	<1	11	-	-	-	-	-	-	-	-	-	-	-
	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	8	<5	<5	<10	<30	-	-	-	-	-	-	-	-	-
	09/22/92	21	<1	27	2	<5	<1	<1	<1	<1	<1	<5	<5	<1	1	8	<5	<1	<1	<1	<1	<1

Notes:
1 -Not Detected (Detection limit not specified)
2 *Duplicate sample also analyzed
3 **Compounds first detected September 1992 sampling
4 ***Potential Laboratory Contaminants

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: DACP1-2
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92 MATRIX: WATER
DATE EXTRACTED: 09/24/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/24/92 RUN NUMBER: 22433T1
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	5.		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	4.		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	54.		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	4.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	71.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	1.		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	1.		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	4.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	13.		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	9.		1.
79-01-6	TRICHLOROETHYLENE	28000.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	106	103	94
CONTROL LIMITS	86-121	84-115	83-112

BOE-C6-0072259

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: DACP1-2
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/24/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/24/92	RUN NUMBER:	22433T1
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

BOE-C6-0072260

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: DW-092392
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92 MATRIX: WATER
DATE EXTRACTED: 09/24/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/24/92 RUN NUMBER: 22433T2
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	5.		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	4.		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	51.		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	4.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	70.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	2.		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	1.		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	4.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	13.		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	9.		1.
79-01-6	TRICHLOROETHYLENE	28000.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	108	98	94
CONTROL LIMITS	86-121	84-115	83-112

WCAS

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: DW-092392
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/24/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/24/92	RUN NUMBER:	22433T2
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

WCAS

BOE-C6-0072262

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: FB-092392
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92
DATE EXTRACTED: 09/25/92
DATE ANALYZED: 09/25/92
INSTRUMENT ID: TRI01

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22433T13
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	ND		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	4.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	102	96	84
CONTROL LIMITS	86-121	84-115	83-112

WCAS

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: FB-092392
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/25/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/25/92	RUN NUMBER:	22433T13
INSTRUMENT ID:	TRI01	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

BOE-C6-0072264

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: TB-092392
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92
DATE EXTRACTED: 09/25/92
DATE ANALYZED: 09/25/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22433T14
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		1.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		1.
67-66-3	CHLOROFORM	ND		5.
74-87-3	CHLOROMETHANE	ND		1.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	3.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	104	97	87
CONTROL LIMITS	86-121	84-115	83-112

BOE-C6-0072265

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: TB-092392
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/25/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/25/92	RUN NUMBER:	22433T14
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC1S-2
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/24/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/24/92	RUN NUMBER:	22433T5
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	37.		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	22.		1.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	13.		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	13.		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	1500.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	27.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	14.		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	4.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	1.		1.
71-55-6	1,1,1-TRICHLOROETHANE	16.		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	3400.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	102	97	94
CONTROL LIMITS	86-121	84-115	83-112

BOE-C6-0072267

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC1S-2
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92 MATRIX: WATER
DATE EXTRACTED: 09/24/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/24/92 RUN NUMBER: 22433T5
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

Please note Page # 11 MISSING

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	37.		1.
75-27-4	BROMODICHLOROMETHANE	---		1.
75-25-2	BROMOFORM			1.
74-83-9	BROMOMETHANE			5.
78-93-3	2-BUTANONE			5.
75-15-0	CARBON DISU			1.
56-23-5	CARBON TETR			1.
108-90-7	CHLOROBENZE			1.
75-00-3	CHLOROETHAN			5.
67-66-3	CHLOROFORM	3.		1.
74-87-3	CHLOROMETHA			5.
108-41-8	CHLOROTOLUE	.D		1.
124-48-1	DIBROMOCHLO	ND		1.
95-50-1	1,2-DICHLOR	ND		1.
541-73-1	1,3-DICHLOR	ND		1.
106-46-7	1,4-DICHLOR	ND		1.
75-34-3	1,1-DICHLOR	13.		1.
107-06-2	1,2-DICHLOR	ND		1.
75-35-4	1,1-DICHLOR	1500.		1.
156-59-4	CIS-1,2-DICH	27.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	14.		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	4.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	1.		1.
71-55-6	1,1,1-TRICHLOROETHANE	16.		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	3400.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	102	97	94
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC3S-2
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92 MATRIX: WATER
DATE EXTRACTED: 09/29/92 SAMPLE AMOUNT: 10UL
DATE ANALYZED: 09/29/92 RUN NUMBER: 22433T35
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		3000.
71-43-2	BENZENE	ND		500.
75-27-4	BROMODICHLOROMETHANE	ND		500.
75-25-2	BROMOFORM	ND		500.
74-83-9	BROMOMETHANE	ND		3000.
78-93-3	2-BUTANONE (MEK)	ND		3000.
75-15-0	CARBON DISULFIDE	ND		500.
56-23-5	CARBON TETRACHLORIDE	ND		500.
108-90-7	CHLOROBENZENE	ND		500.
75-00-3	CHLOROETHANE	ND		3000.
67-66-3	CHLOROFORM	ND		500.
74-87-3	CHLOROMETHANE	ND		3000.
108-41-8	CHLOROTOLUENE	ND		500.
124-48-1	DIBROMOCHLOROMETHANE	ND		500.
95-50-1	1,2-DICHLOROBENZENE	ND		500.
541-73-1	1,3-DICHLOROBENZENE	ND		500.
106-46-7	1,4-DICHLOROBENZENE	ND		500.
75-34-3	1,1-DICHLOROETHANE	ND		500.
107-06-2	1,2-DICHLOROETHANE	ND		500.
75-35-4	1,1-DICHLOROETHYLENE	22000.		500.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		500.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		500.
78-87-5	1,2-DICHLOROPROPANE	ND		500.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		500.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		500.
100-41-4	ETHYLBENZENE	ND		500.
106-93-4	ETHYLENE DIBROMIDE	ND		500.
76-13-1	FREON-TF	ND		500.
119-78-6	2-HEXANONE	ND		3000.
75-09-2	METHYLENE CHLORIDE	900.	B	500.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	82000.		3000.
100-42-5	STYRENE	ND		500.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		500.
127-18-4	TETRACHLOROETHYLENE	ND		500.
109-99-9	TETRAHYDROFURAN	ND		3000.
108-88-3	TOLUENE	52000.		500.
71-55-6	1,1,1-TRICHLOROETHANE	7800.		500.
79-00-5	1,1,2-TRICHLOROETHANE	ND		500.
79-01-6	TRICHLOROETHYLENE	12000.		500.
75-69-4	TRICHLOROFLUOROMETHANE	ND		500.
108-05-4	VINYL ACETATE	ND		3000.
75-01-4	VINYL CHLORIDE	ND		3000.
1330-20-7	TOTAL XYLENES	ND		500.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	110	109	82**
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC3S-2
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/29/92	SAMPLE AMOUNT:	10UL
DATE ANALYZED:	09/29/92	RUN NUMBER:	22433T35
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC4S-2
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92 MATRIX: WATER
DATE EXTRACTED: 09/29/92 SAMPLE AMOUNT: 500UL
DATE ANALYZED: 09/29/92 RUN NUMBER: 22433T34
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		50.
71-43-2	BENZENE	ND		10.
75-27-4	BROMODICHLOROMETHANE	ND		10.
75-25-2	BROMOFORM	ND		10.
74-83-9	BROMOMETHANE	ND		50.
78-93-3	2-BUTANONE (MEK)	ND		50.
75-15-0	CARBON DISULFIDE	ND		10.
56-23-5	CARBON TETRACHLORIDE	ND		10.
108-90-7	CHLOROBENZENE	ND		10.
75-00-3	CHLOROETHANE	ND		50.
67-66-3	CHLOROFORM	10.		10.
74-87-3	CHLOROMETHANE	ND		50.
108-41-8	CHLOROTOLUENE	ND		10.
124-48-1	DIBROMOCHLOROMETHANE	ND		10.
95-50-1	1,2-DICHLOROBENZENE	ND		10.
541-73-1	1,3-DICHLOROBENZENE	ND		10.
106-46-7	1,4-DICHLOROBENZENE	ND		10.
75-34-3	1,1-DICHLOROETHANE	ND		10.
107-06-2	1,2-DICHLOROETHANE	ND		10.
75-35-4	1,1-DICHLOROETHYLENE	1400.		10.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		10.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		10.
78-87-5	1,2-DICHLOROPROPANE	ND		10.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		10.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		10.
100-41-4	ETHYLBENZENE	ND		10.
106-93-4	ETHYLENE DIBROMIDE	ND		10.
76-13-1	FREON-TF	ND		10.
119-78-6	2-HEXANONE	ND		50.
75-09-2	METHYLENE CHLORIDE	20.	B	10.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		50.
100-42-5	STYRENE	ND		10.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		10.
127-18-4	TETRACHLOROETHYLENE	ND		10.
109-99-9	TETRAHYDROFURAN	ND		50.
108-88-3	TOLUENE	ND		10.
71-55-6	1,1,1-TRICHLOROETHANE	20.		10.
79-00-5	1,1,2-TRICHLOROETHANE	ND		10.
79-01-6	TRICHLOROETHYLENE	1900.		10.
75-69-4	TRICHLOROFLUOROMETHANE	ND		10.
108-05-4	VINYL ACETATE	ND		50.
75-01-4	VINYL CHLORIDE	ND		50.
1330-20-7	TOTAL XYLENES	ND		10.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	108	103	83
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC4S-2
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/29/92	SAMPLE AMOUNT:	500UL
DATE ANALYZED:	09/29/92	RUN NUMBER:	22433T34
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

BOE-C6-0072272

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC6S-2
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92
DATE EXTRACTED: 09/24/92
DATE ANALYZED: 09/25/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22433T10
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	78.		5.
71-43-2	BENZENE	67.		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	3600.		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	20.		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	94.		1.
107-06-2	1,2-DICHLOROETHANE	84.		1.
75-35-4	1,1-DICHLOROETHYLENE	5900.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	200.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	170.		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	5.		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	5.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	7500.		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	10000.		1.
71-55-6	1,1,1-TRICHLOROETHANE	1300.		1.
79-00-5	1,1,2-TRICHLOROETHANE	96.		1.
79-01-6	TRICHLOROETHYLENE	3100.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	26.		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	103	100	93
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC6S-2
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/24/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/25/92	RUN NUMBER:	22433T10
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	C7 KETONE	VOA	10.
2	UNIDENTIFIED COMPOUND	VOA	10.

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC7S-2
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/29/92	SAMPLE AMOUNT:	1ML
DATE ANALYZED:	09/29/92	RUN NUMBER:	22433T31
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		30.
71-43-2	BENZENE	ND		5.
75-27-4	BROMODICHLOROMETHANE	ND		5.
75-25-2	BROMOFORM	ND		5.
74-83-9	BROMOMETHANE	ND		30.
78-93-3	2-BUTANONE (MEK)	ND		30.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		5.
108-90-7	CHLOROBENZENE	ND		5.
75-00-3	CHLOROETHANE	ND		30.
67-66-3	CHLOROFORM	ND		5.
74-87-3	CHLOROMETHANE	ND		30.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		5.
95-50-1	1,2-DICHLOROBENZENE	ND		5.
541-73-1	1,3-DICHLOROBENZENE	ND		5.
106-46-7	1,4-DICHLOROBENZENE	ND		5.
75-34-3	1,1-DICHLOROETHANE	ND		5.
107-06-2	1,2-DICHLOROETHANE	ND		5.
75-35-4	1,1-DICHLOROETHYLENE	140.		5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		5.
78-87-5	1,2-DICHLOROPROPANE	ND		5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		5.
100-41-4	ETHYLBENZENE	ND		5.
106-93-4	ETHYLENE DIBROMIDE	ND		5.
76-13-1	FREON-TF	ND		5.
119-78-6	2-HEXANONE	ND		30.
75-09-2	METHYLENE CHLORIDE	10.	B	5.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		30.
100-42-5	STYRENE	ND		5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		5.
127-18-4	TETRACHLOROETHYLENE	ND		5.
109-99-9	TETRAHYDROFURAN	ND		30.
108-88-3	TOLUENE	ND		5.
71-55-6	1,1,1-TRICHLOROETHANE	ND		5.
79-00-5	1,1,2-TRICHLOROETHANE	ND		5.
79-01-6	TRICHLOROETHYLENE	570.		5.
75-69-4	TRICHLOROFLUOROMETHANE	ND		5.
108-05-4	VINYL ACETATE	ND		30.
75-01-4	VINYL CHLORIDE	ND		30.
1330-20-7	TOTAL XYLENES	ND		5.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	104	97	90
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC7S-2
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/29/92	SAMPLE AMOUNT:	1ML
DATE ANALYZED:	09/29/92	RUN NUMBER:	22433T31
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC8S-2
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92 MATRIX: WATER
DATE EXTRACTED: 09/29/92 SAMPLE AMOUNT: 250UL
DATE ANALYZED: 09/29/92 RUN NUMBER: 22433T30
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		100.
71-43-2	BENZENE	ND		20.
75-27-4	BROMODICHLOROMETHANE	ND		20.
75-25-2	BROMOFORM	ND		20.
74-83-9	BROMOMETHANE	ND		100.
78-93-3	2-BUTANONE (MEK)	ND		100.
75-15-0	CARBON DISULFIDE	ND		20.
56-23-5	CARBON TETRACHLORIDE	ND		20.
108-90-7	CHLOROBENZENE	ND		20.
75-00-3	CHLOROETHANE	ND		100.
67-66-3	CHLOROFORM	20.		20.
74-87-3	CHLOROMETHANE	ND		100.
108-41-8	CHLOROTOLUENE	ND		20.
124-48-1	DIBROMOCHLOROMETHANE	ND		20.
95-50-1	1,2-DICHLOROBENZENE	ND		20.
541-73-1	1,3-DICHLOROBENZENE	ND		20.
106-46-7	1,4-DICHLOROBENZENE	ND		20.
75-34-3	1,1-DICHLOROETHANE	ND		20.
107-06-2	1,2-DICHLOROETHANE	ND		20.
75-35-4	1,1-DICHLOROETHYLENE	2800.		20.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		20.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	20.		20.
78-87-5	1,2-DICHLOROPROPANE	ND		20.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		20.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		20.
100-41-4	ETHYLBENZENE	ND		20.
106-93-4	ETHYLENE DIBROMIDE	ND		20.
76-13-1	FREON-TF	ND		20.
119-78-6	2-HEXANONE	ND		100.
75-09-2	METHYLENE CHLORIDE	40.	B	20.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		100.
100-42-5	STYRENE	ND		20.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		20.
127-18-4	TETRACHLOROETHYLENE	ND		20.
109-99-9	TETRAHYDROFURAN	ND		100.
108-88-3	TOLUENE	ND		20.
71-55-6	1,1,1-TRICHLOROETHANE	200.		20.
79-00-5	1,1,2-TRICHLOROETHANE	ND		20.
79-01-6	TRICHLOROETHYLENE	3100.		20.
75-69-4	TRICHLOROFLUOROMETHANE	ND		20.
108-05-4	VINYL ACETATE	ND		100.
75-01-4	VINYL CHLORIDE	ND		100.
1330-20-7	TOTAL XYLENES	ND		20.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	96	92	84
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC8S-2
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/29/92	SAMPLE AMOUNT:	250UL
DATE ANALYZED:	09/29/92	RUN NUMBER:	22433T30
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED:	09/24/92	MATRIX:	WATER
DATE EXTRACTED:	09/24/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/24/92	RUN NUMBER:	VBLK281
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	5.
71-43-2	BENZENE	ND	1.
75-27-4	BROMODICHLOROMETHANE	ND	1.
75-25-2	BROMOFORM	ND	1.
74-83-9	BROMOMETHANE	ND	5.
78-93-3	2-BUTANONE (MEK)	ND	5.
75-15-0	CARBON DISULFIDE	ND	1.
56-23-5	CARBON TETRACHLORIDE	ND	1.
108-90-7	CHLOROBENZENE	ND	1.
75-00-3	CHLOROETHANE	ND	5.
67-66-3	CHLOROFORM	ND	1.
74-87-3	CHLOROMETHANE	ND	5.
108-41-8	CHLOROTOLUENE	ND	1.
124-48-1	DIBROMOCHLOROMETHANE	ND	1.
95-50-1	1,2-DICHLOROBENZENE	ND	1.
541-73-1	1,3-DICHLOROBENZENE	ND	1.
106-46-7	1,4-DICHLOROBENZENE	ND	1.
75-34-3	1,1-DICHLOROETHANE	ND	1.
107-06-2	1,2-DICHLOROETHANE	ND	1.
75-35-4	1,1-DICHLOROETHYLENE	ND	1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	1.
78-87-5	1,2-DICHLOROPROPANE	ND	1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1.
100-41-4	ETHYLBENZENE	ND	1.
106-93-4	ETHYLENE DIBROMIDE	ND	1.
76-13-1	FREON-TF	ND	1.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	3.	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	5.
100-42-5	STYRENE	ND	1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	1.
127-18-4	TETRACHLOROETHYLENE	ND	1.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	1.
71-55-6	1,1,1-TRICHLOROETHANE	ND	1.
79-00-5	1,1,2-TRICHLOROETHANE	ND	1.
79-01-6	TRICHLOROETHYLENE	ND	1.
75-69-4	TRICHLOROFLUOROMETHANE	ND	1.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	5.
1330-20-7	TOTAL XYLENES	ND	1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	100	95	93
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/24/92	MATRIX:	WATER
DATE EXTRACTED:	09/24/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/24/92	RUN NUMBER:	VBLK281
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

BOE-C6-0072280

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/25/92 MATRIX: WATER
DATE EXTRACTED: 09/25/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/25/92 RUN NUMBER: VBLK282
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	5.
71-43-2	BENZENE	ND	1.
75-27-4	BROMODICHLOROMETHANE	ND	1.
75-25-2	BROMOFORM	ND	1.
74-83-9	BROMOMETHANE	ND	5.
78-93-3	2-BUTANONE (MEK)	ND	5.
75-15-0	CARBON DISULFIDE	ND	1.
56-23-5	CARBON TETRACHLORIDE	ND	1.
108-90-7	CHLOROBENZENE	ND	1.
75-00-3	CHLOROETHANE	ND	5.
67-66-3	CHLOROFORM	ND	1.
74-87-3	CHLOROMETHANE	ND	5.
108-41-8	CHLOROTOLUENE	ND	1.
124-48-1	DIBROMOCHLOROMETHANE	ND	1.
95-50-1	1,2-DICHLOROBENZENE	ND	1.
541-73-1	1,3-DICHLOROBENZENE	ND	1.
106-46-7	1,4-DICHLOROBENZENE	ND	1.
75-34-3	1,1-DICHLOROETHANE	ND	1.
107-06-2	1,2-DICHLOROETHANE	ND	1.
75-35-4	1,1-DICHLOROETHYLENE	ND	1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	1.
78-87-5	1,2-DICHLOROPROPANE	ND	1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1.
100-41-4	ETHYLBENZENE	ND	1.
106-93-4	ETHYLENE DIBROMIDE	ND	1.
76-13-1	FREON-TF	ND	1.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	2.	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	5.
100-42-5	STYRENE	ND	1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	1.
127-18-4	TETRACHLOROETHYLENE	ND	1.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	1.
71-55-6	1,1,1-TRICHLOROETHANE	ND	1.
79-00-5	1,1,2-TRICHLOROETHANE	ND	1.
79-01-6	TRICHLOROETHYLENE	ND	1.
75-69-4	TRICHLOROFLUOROMETHANE	ND	1.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	5.
1330-20-7	TOTAL XYLENES	ND	1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	103	98	91
CONTROL LIMITS	86-121	84-115	83-112

BOE-C6-0072281

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/25/92	MATRIX:	WATER
DATE EXTRACTED:	09/25/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/25/92	RUN NUMBER:	VBLK282
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22433

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/29/92 MATRIX: WATER
DATE EXTRACTED: 09/29/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/29/92 RUN NUMBER: VBLK286
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	5.
71-43-2	BENZENE	ND	1.
75-27-4	BROMODICHLOROMETHANE	ND	1.
75-25-2	BROMOFORM	ND	1.
74-83-9	BROMOMETHANE	ND	5.
78-93-3	2-BUTANONE (MEK)	ND	5.
75-15-0	CARBON DISULFIDE	ND	1.
56-23-5	CARBON TETRACHLORIDE	ND	1.
108-90-7	CHLOROBENZENE	ND	1.
75-00-3	CHLOROETHANE	ND	5.
67-66-3	CHLOROFORM	ND	1.
74-87-3	CHLOROMETHANE	ND	5.
108-41-8	CHLOROTOLUENE	ND	1.
124-48-1	DIBROMOCHLOROMETHANE	ND	1.
95-50-1	1,2-DICHLOROBENZENE	ND	1.
541-73-1	1,3-DICHLOROBENZENE	ND	1.
106-46-7	1,4-DICHLOROBENZENE	ND	1.
75-34-3	1,1-DICHLOROETHANE	ND	1.
107-06-2	1,2-DICHLOROETHANE	ND	1.
75-35-4	1,1-DICHLOROETHYLENE	ND	1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	1.
78-87-5	1,2-DICHLOROPROPANE	ND	1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1.
100-41-4	ETHYLBENZENE	ND	1.
106-93-4	ETHYLENE DIBROMIDE	ND	1.
76-13-1	FREON-TF	ND	1.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	1.	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	5.
100-42-5	STYRENE	ND	1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	1.
127-18-4	TETRACHLOROETHYLENE	ND	1.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	1.
71-55-6	1,1,1-TRICHLOROETHANE	ND	1.
79-00-5	1,1,2-TRICHLOROETHANE	ND	1.
79-01-6	TRICHLOROETHYLENE	ND	1.
75-69-4	TRICHLOROFLUOROMETHANE	ND	1.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	5.
1330-20-7	TOTAL XYLENES	ND	1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	96	92	88
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22433

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/29/92	MATRIX:	WATER
DATE EXTRACTED:	09/29/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/29/92	RUN NUMBER:	VBLK286
INSTRUMENT ID:	TRI01	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

WEST COAST ANALYTICAL SERVICE, INC.

KENNEDY/JENKS CONSULTANTS
Mr. Joseph Montoya

Job # 22433
September 30, 1992

LABORATORY REPORT

WEST COAST ANALYTICAL SERVICE

MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY AND RPD SUMMARY

SAMPLE: WCC7S-2
MATRIX: WATER
UNITS : UG/L (PPB)

VOLATILE COMPOUNDS

COMPOUND	CONC SPIKED	CONC SAMPLE	CONC MS	%REC MS	CONC MSD	%REC MSD	RPD
1,1-DICHLOROETHYLENE	250.	144.	380.	94	364.	88	4
BENZENE	250.	ND	254.	102	246.	98	3
TRICHLOROETHYLENE	250.	571.	942.	N/A	939.	N/A	0
TOLUENE	250.	ND	259.	104	258.	103	0
CHLOROBENZENE	250.	ND	215.	86	209.	84	3

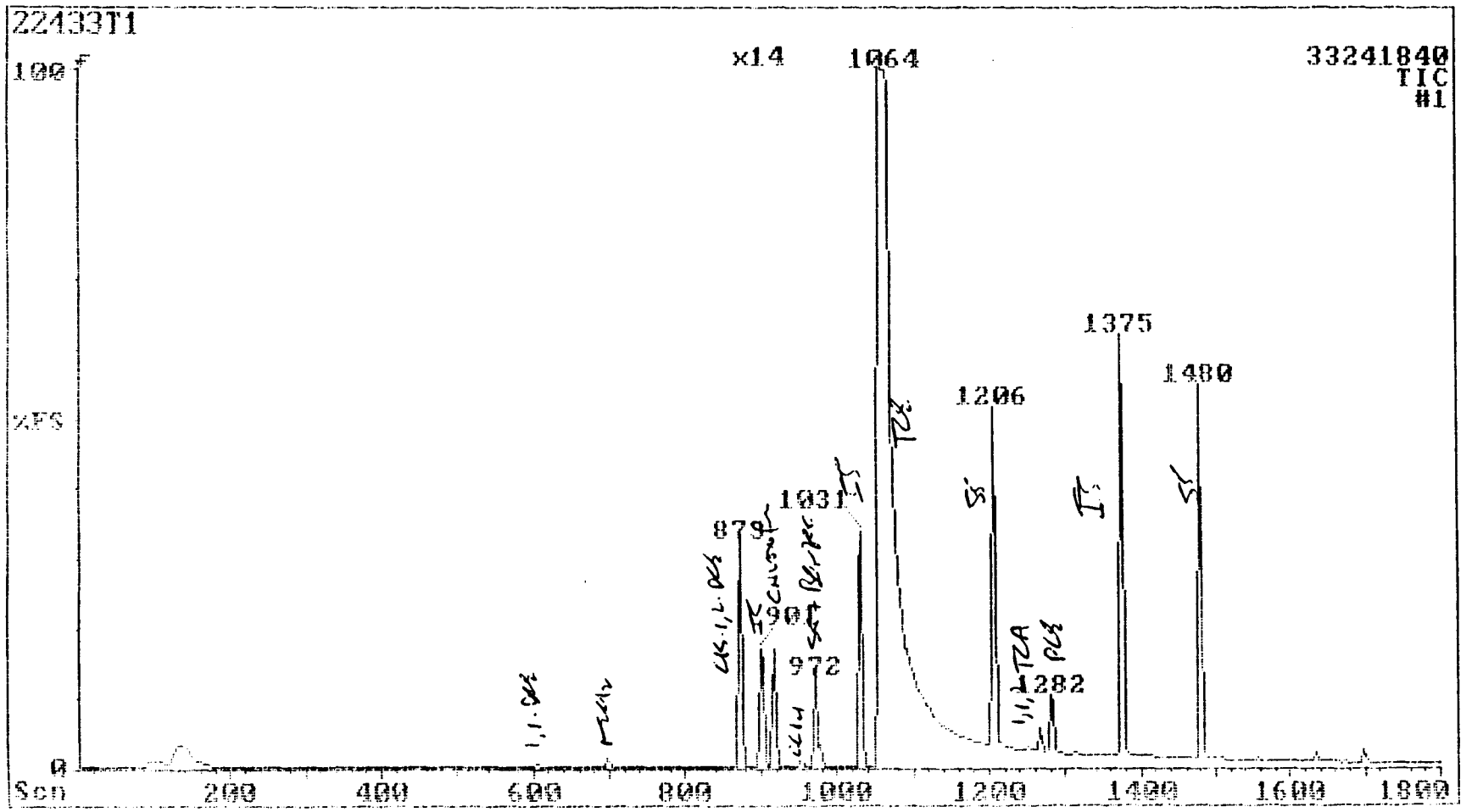
N/A - Spike amount insufficient due to level found in sample.

WATER QUALITY CONTROL LIMITS

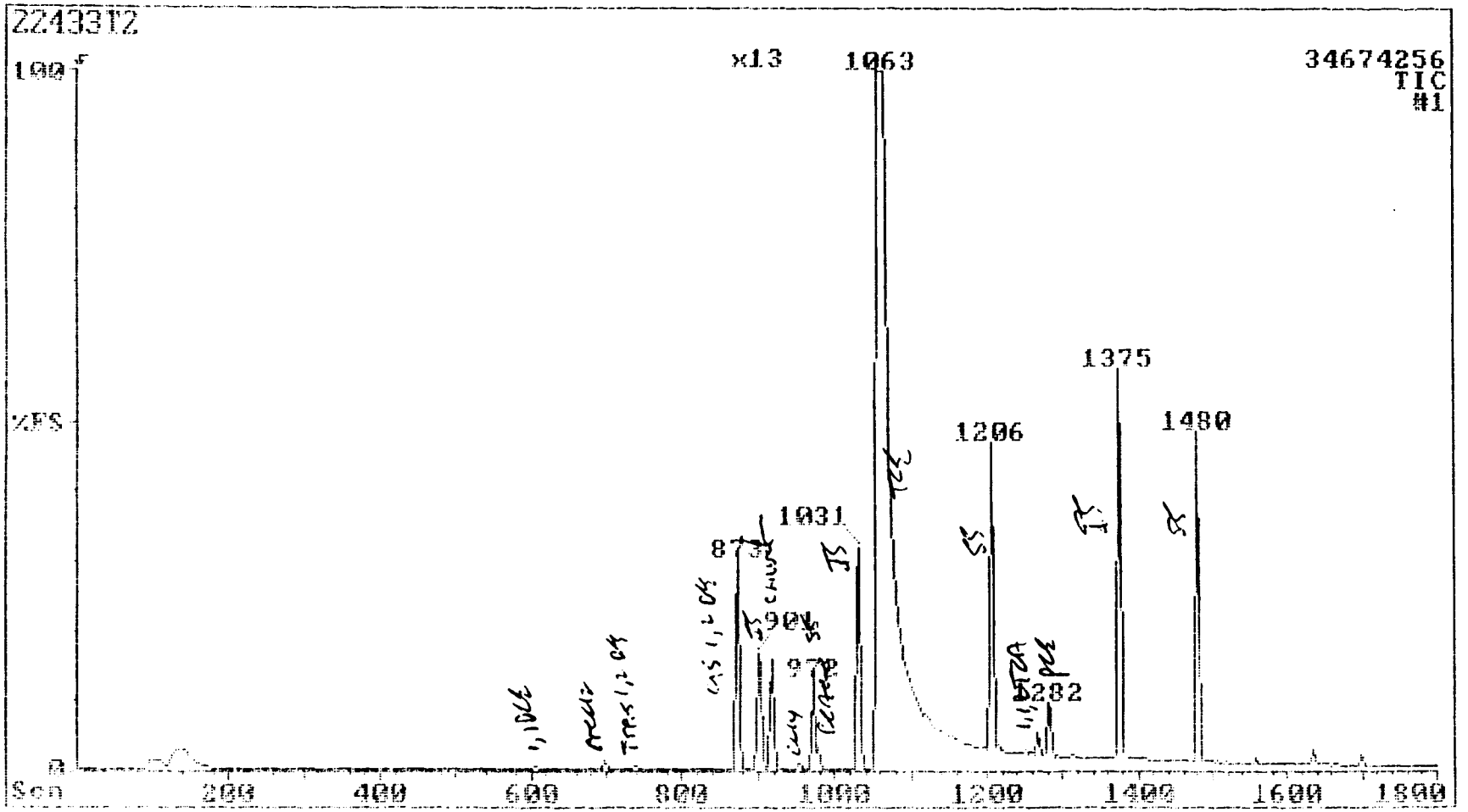
	% RECOVERY		RPD	
	WARNING	CONTROL	WARNING	CONTROL
1,1-DICHLOROETHYLENE	51-155	25-182	24	36
BENZENE	73-125	60-138	14	19
TRICHLOROETHYLENE	59-120	44-135	13	19
TOLUENE	80-116	71-125	13	19
CHLOROBENZENE	82-109	75-115	10	15

Date Analyzed: 9/29/92

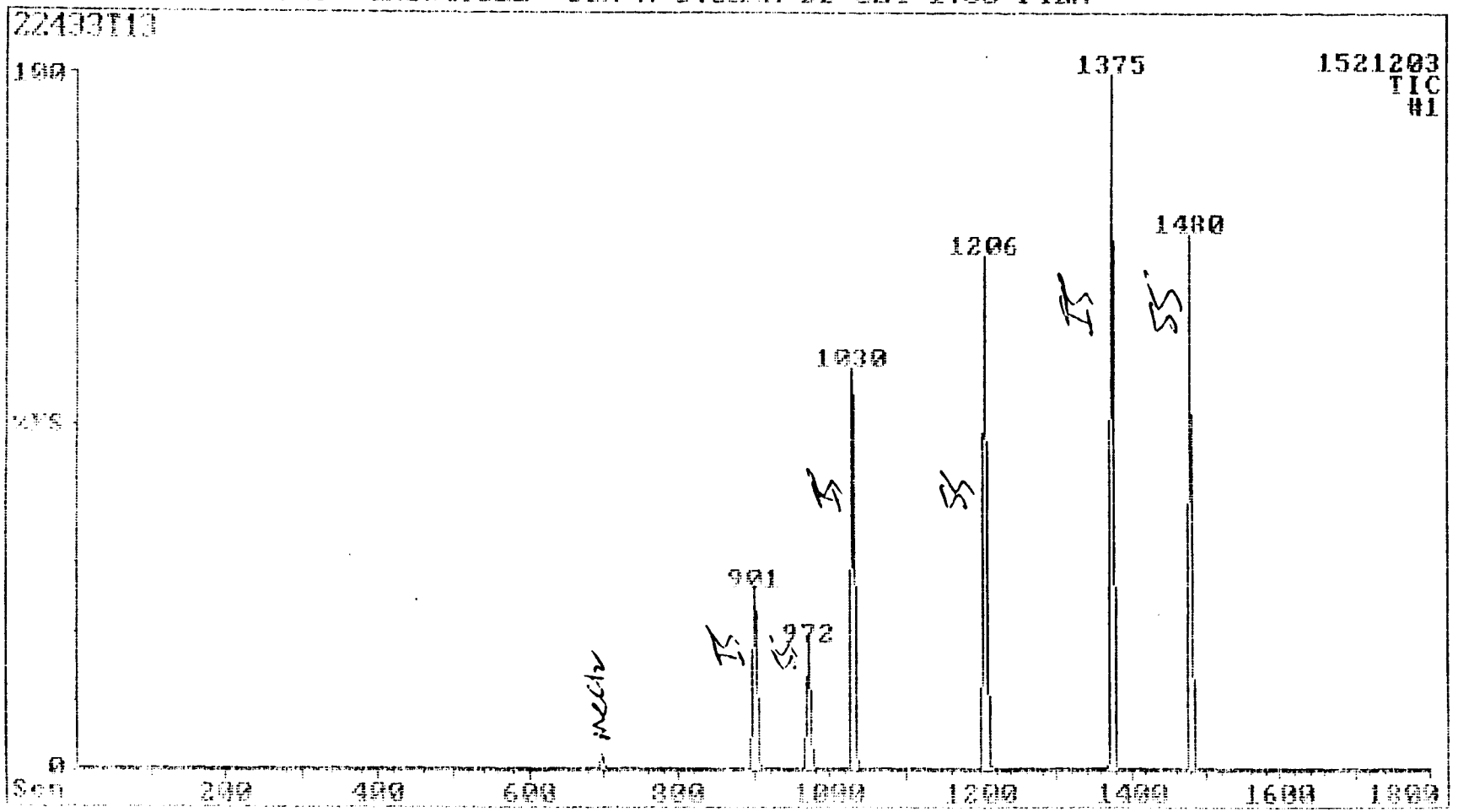
24-Sep-92 18:37 TRI01 KENNEDY/JENKS DACP1-2 5ML
DATA FILE:22433T1 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



24-Sep-92 19:15 TRI01 KENNEDY/JENKS DW-092392 5ML
DATA FILE:22433T2 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

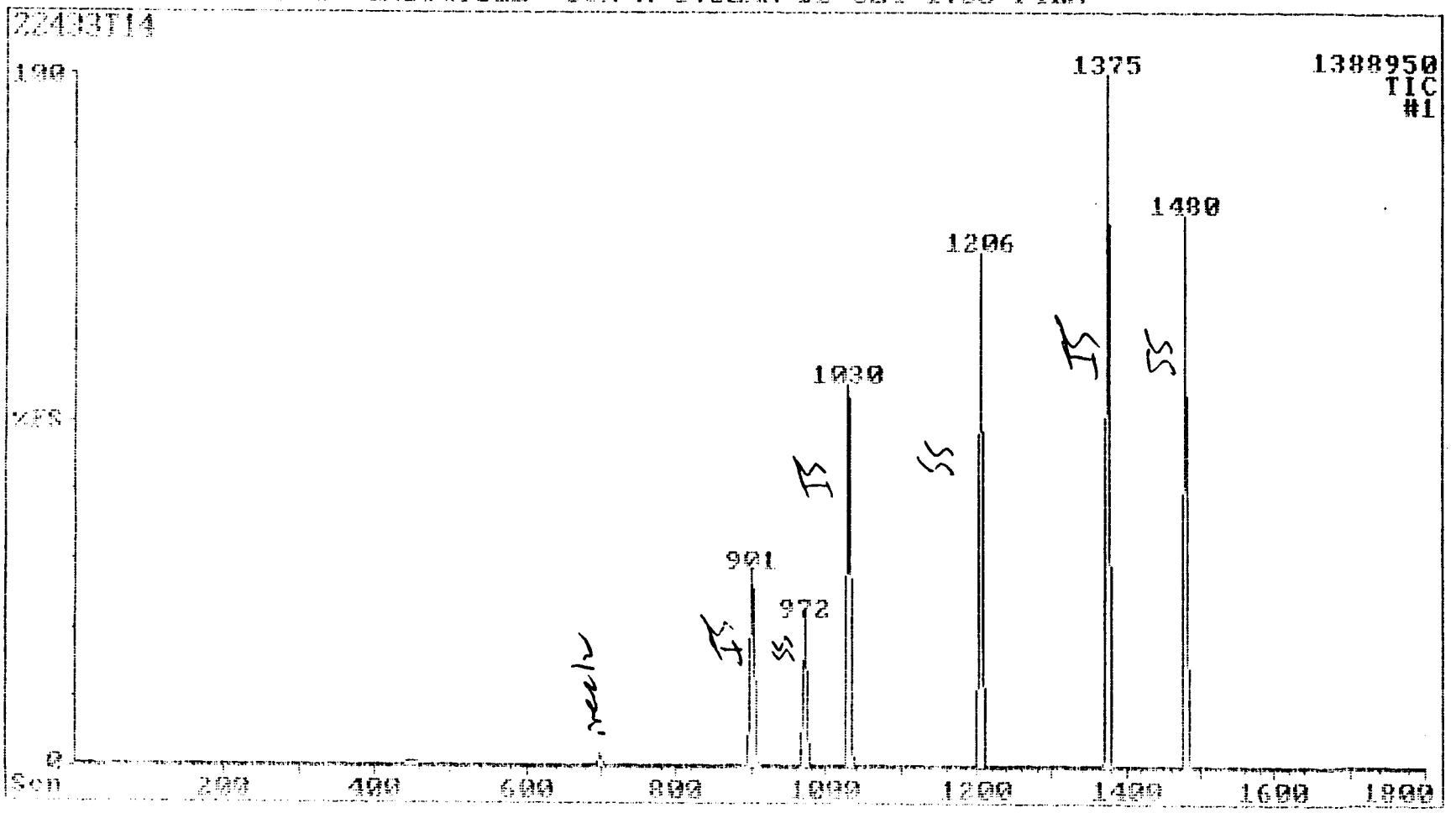


25-Sep-92 09:59 TRI01 KENNEDY/JENKS FB-092392 5ML
DATA FILE:22433T13 GRS#4952E 30M X 0.32MM DB-624 1.8U FILM



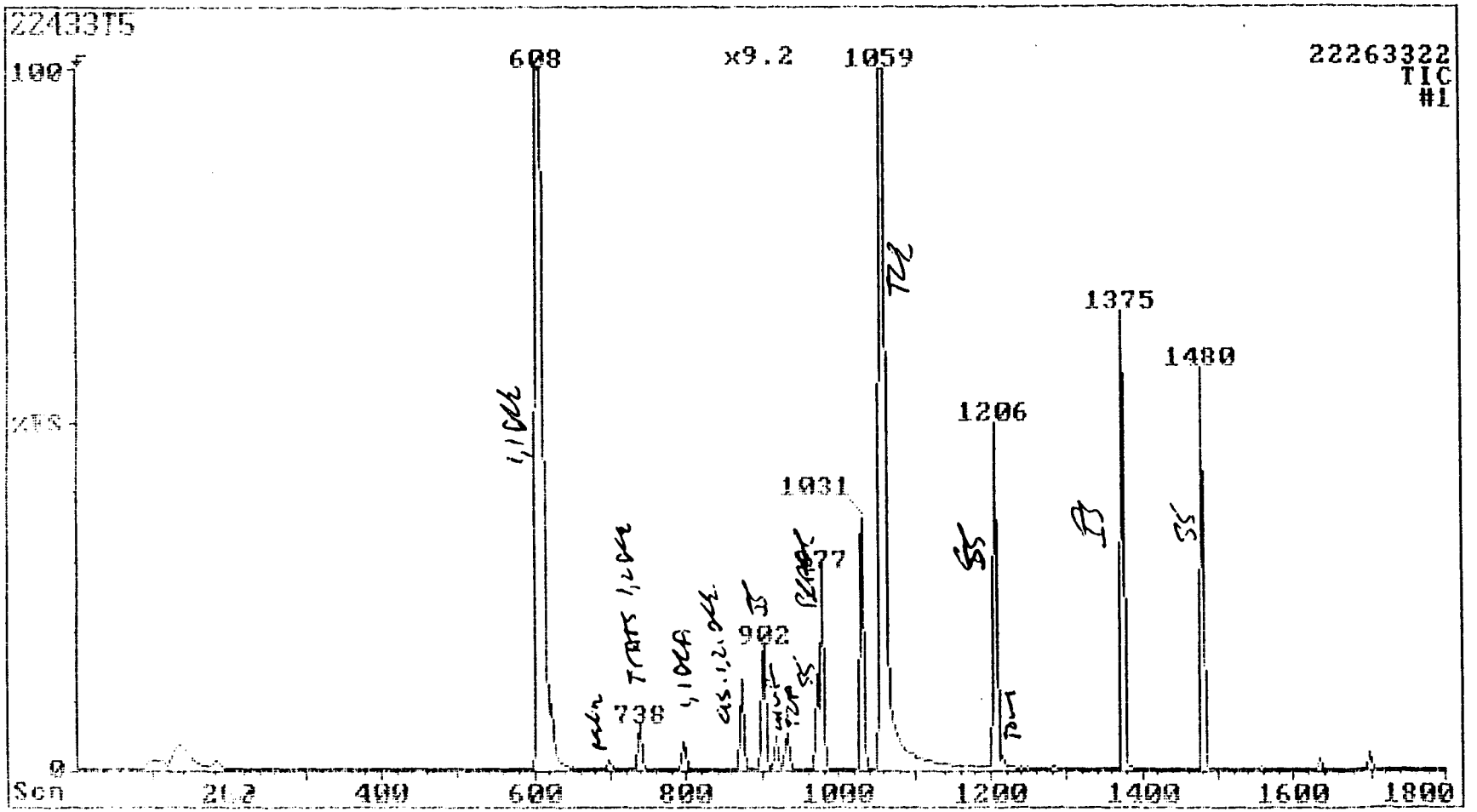
BOE-C6-0072288

25-Sep-92 10:39 TRIO1 KENNEDY/JENKS TB-092392 5ML
DATA FILE:22433T14 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



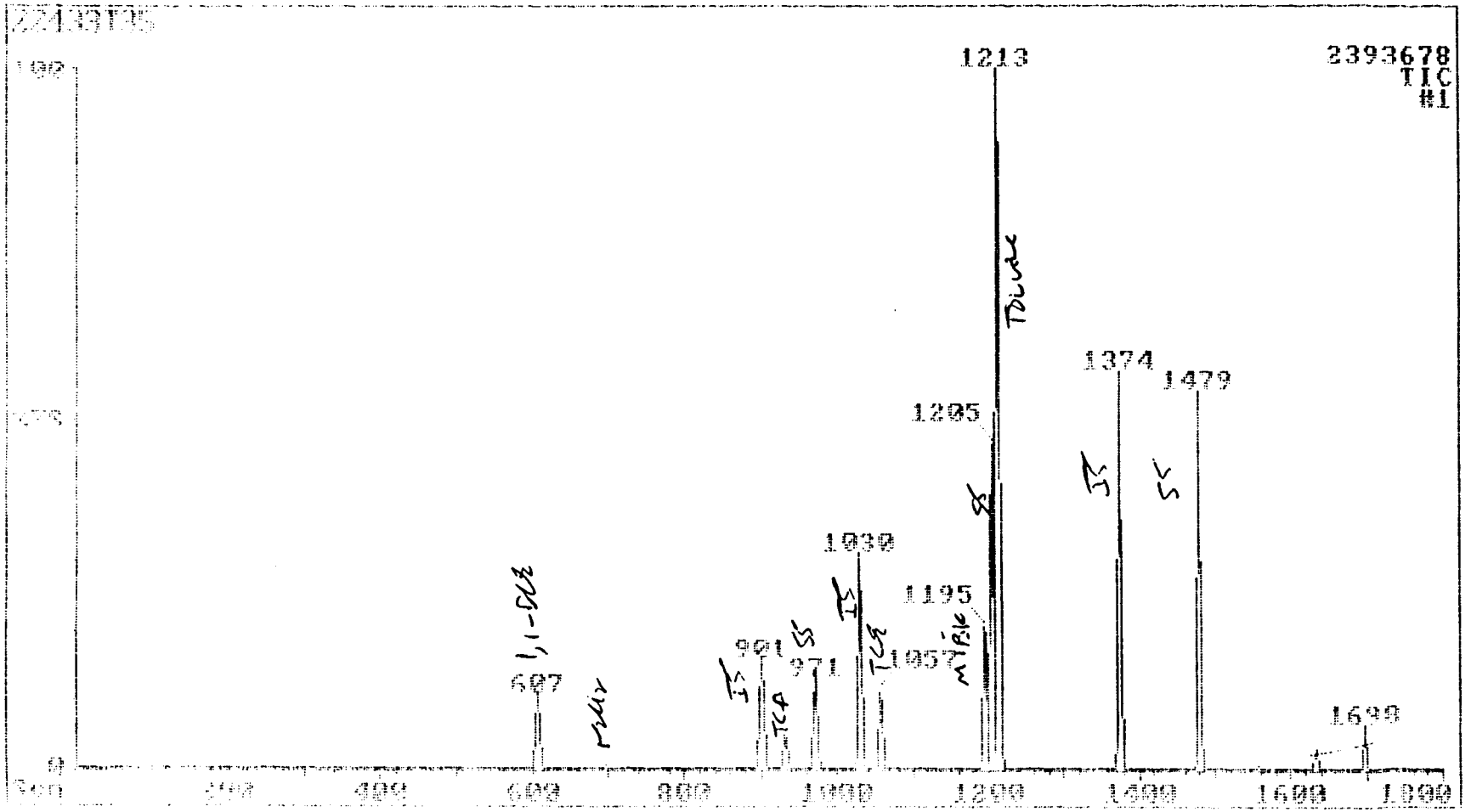
BOE-C6-0072289

24-Sep-92 21:08 TRI01 KENNEDY/JENKS WCC1S-2 5ML
DATA FILE:22433T5 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



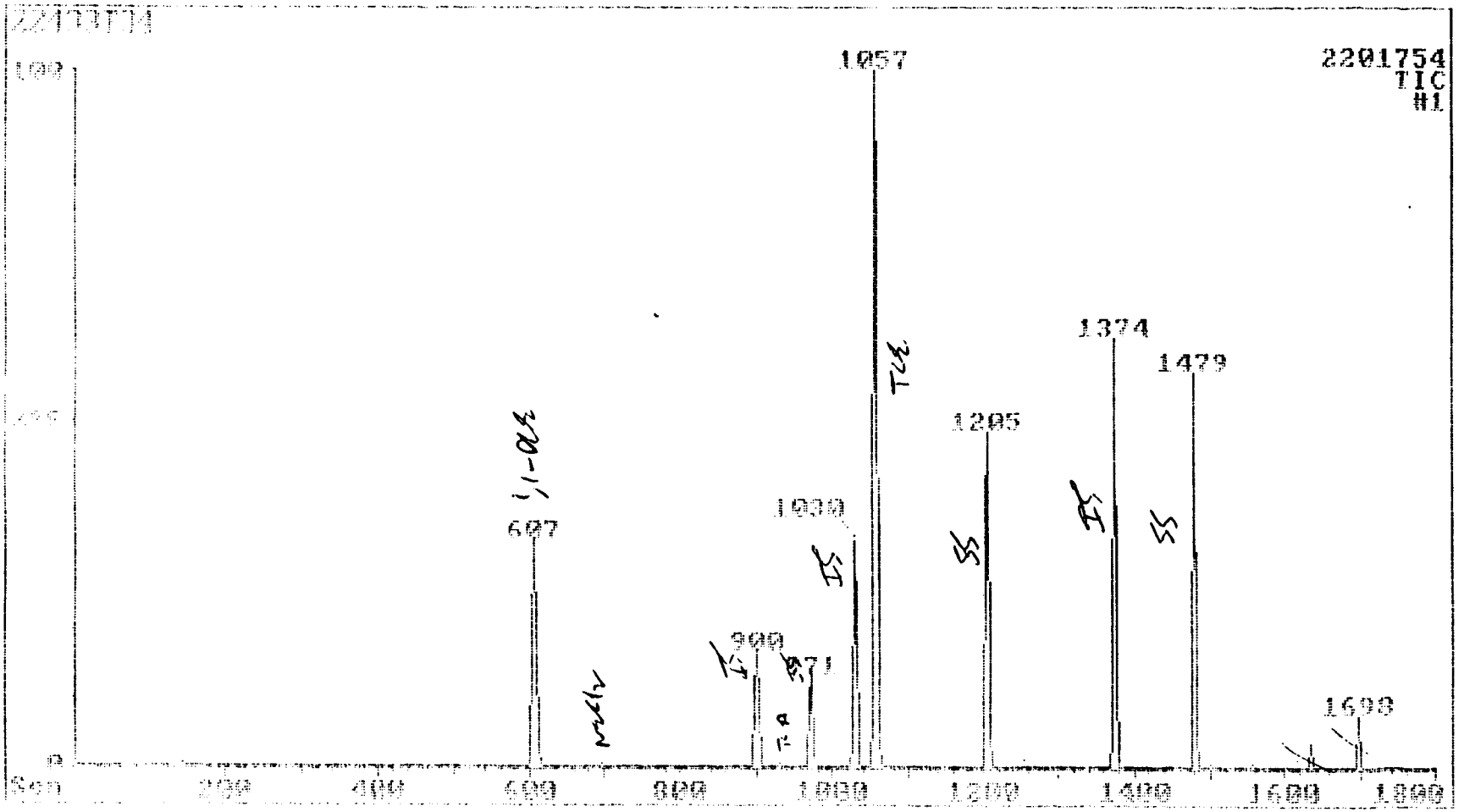
BOE-C6-0072290

29-Sep-92 20:12 TB101 KENNEDY/JENKS WCC3S-2 10UL
DATA FILE:22403T35 GRS#4052F 30M X 0.32MM DB-624 1.8U FILM



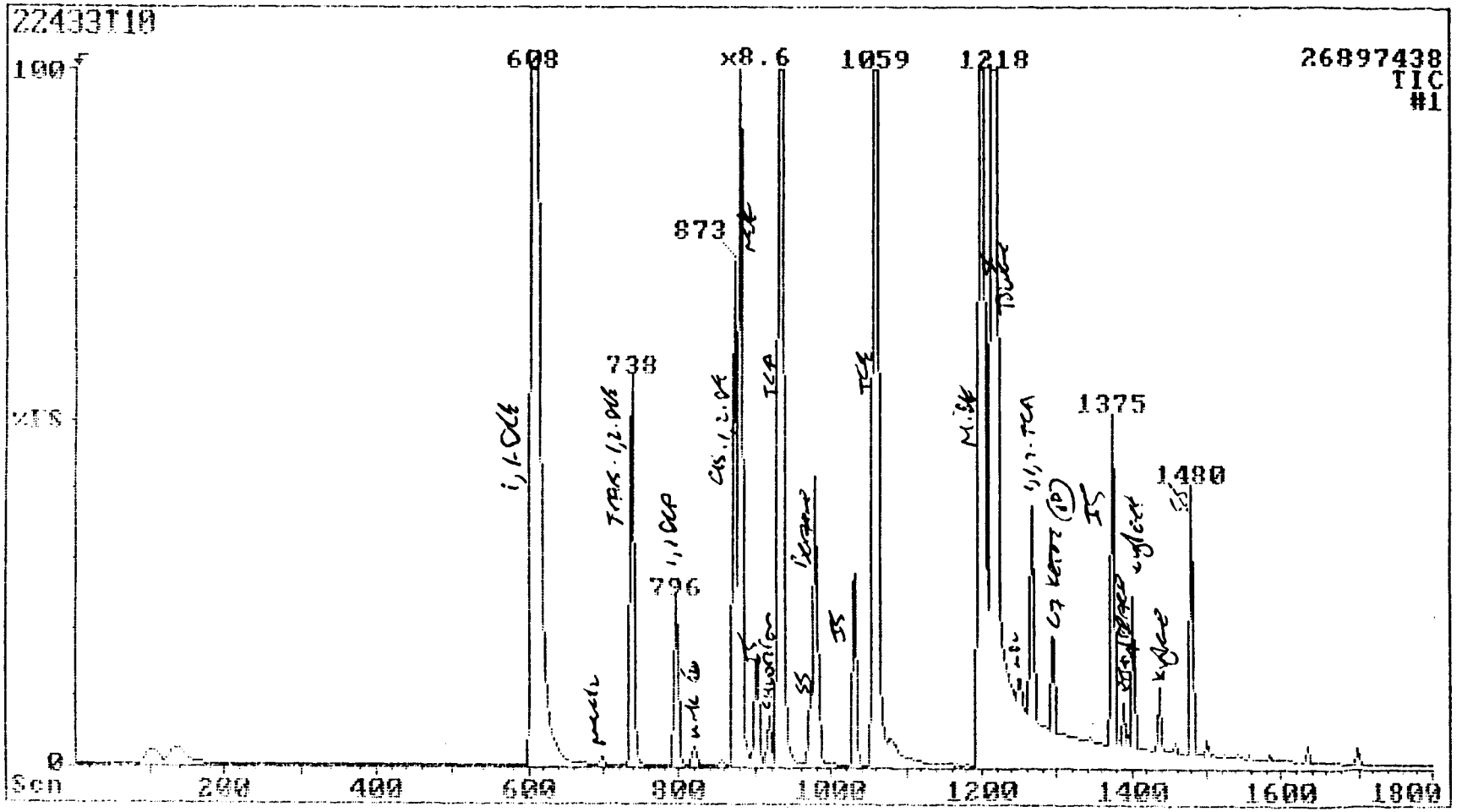
BOE-C6-0072291

23-Sep-92 19:34 TRI01 KENNEDY/JENKS WCC4S-2 500UL
DATA FILE:2243T34 GRS#4052F 30M X 0.32MM DB-624 1.8U FILM



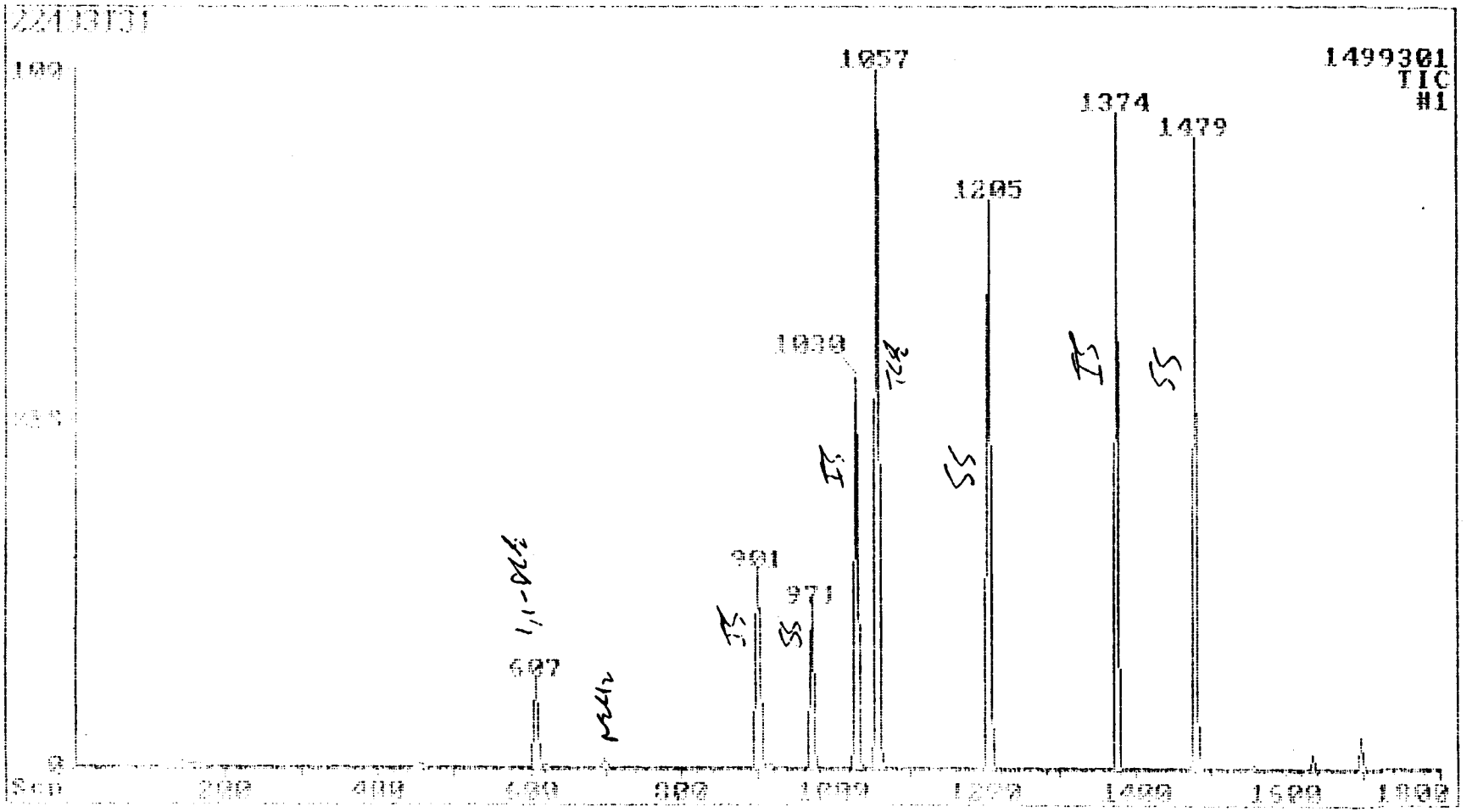
BOE-C6-0072292

25-Sep-92 00:17 TRI01 KENNEDY/JENKS WCC6S-2 5ML
DATA FILE:22433T10 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



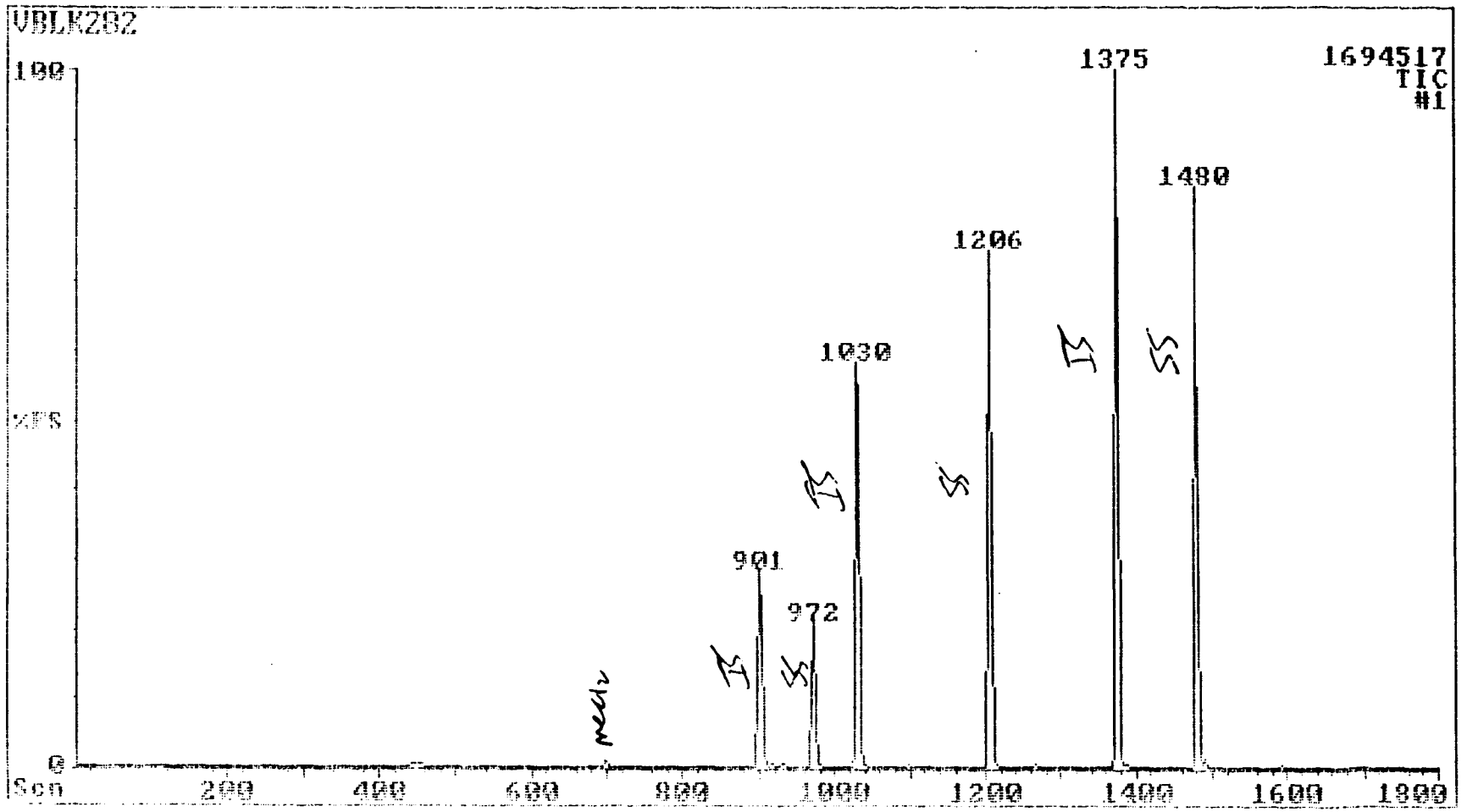
BOE-C6-0072293

29-Sep-92 17:41 TRI01 KENNEDY/JENKS VCC7S-2 1ML
DATA FILE:22433T31 GRS#4052F 30M X 0.32MM DB-624 1.8U FILM



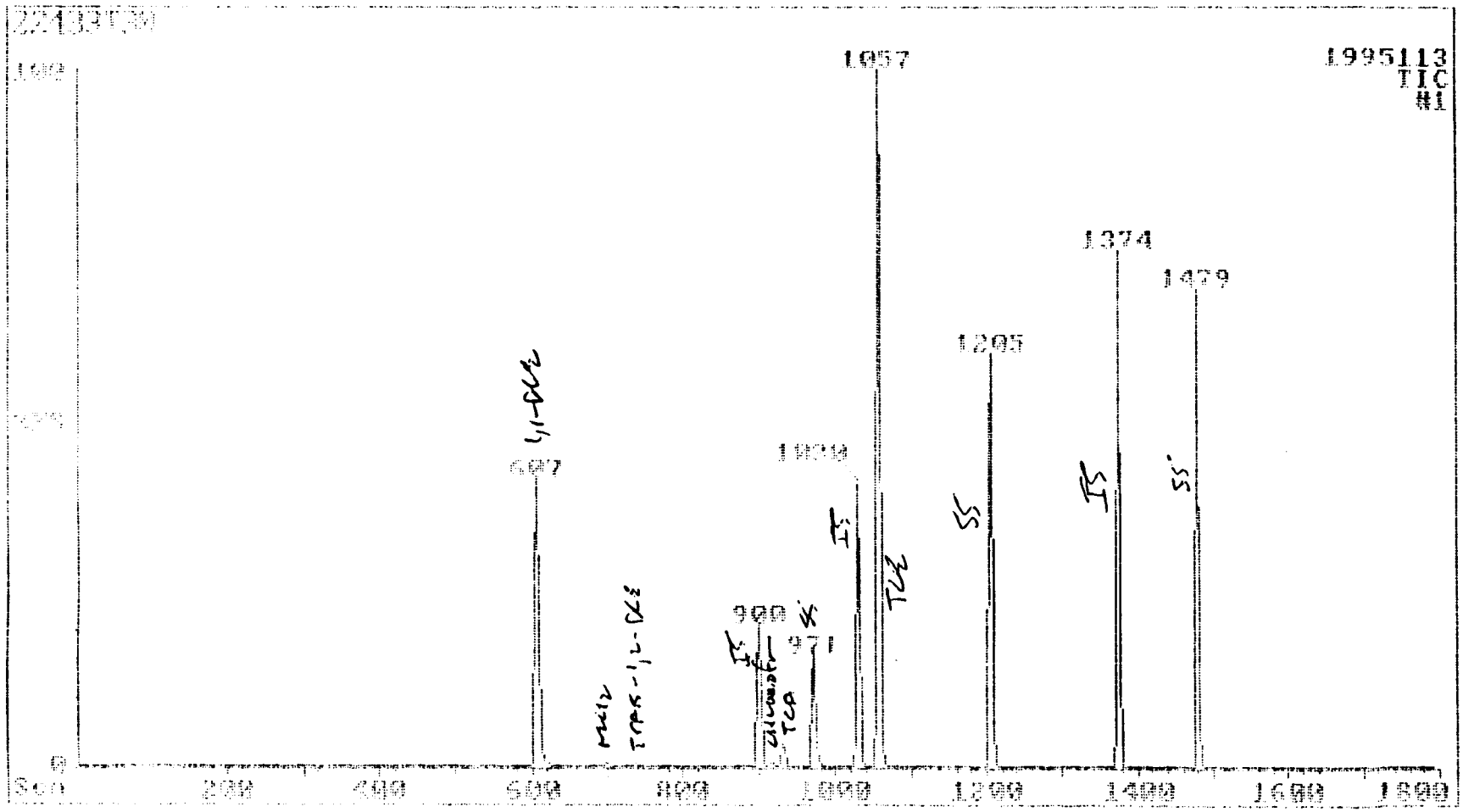
BOE-C6-0072294

25-Sep-92 09:11 TRI01 LAB BLANK 0916-232-1
DATA FILE:VBLK282 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

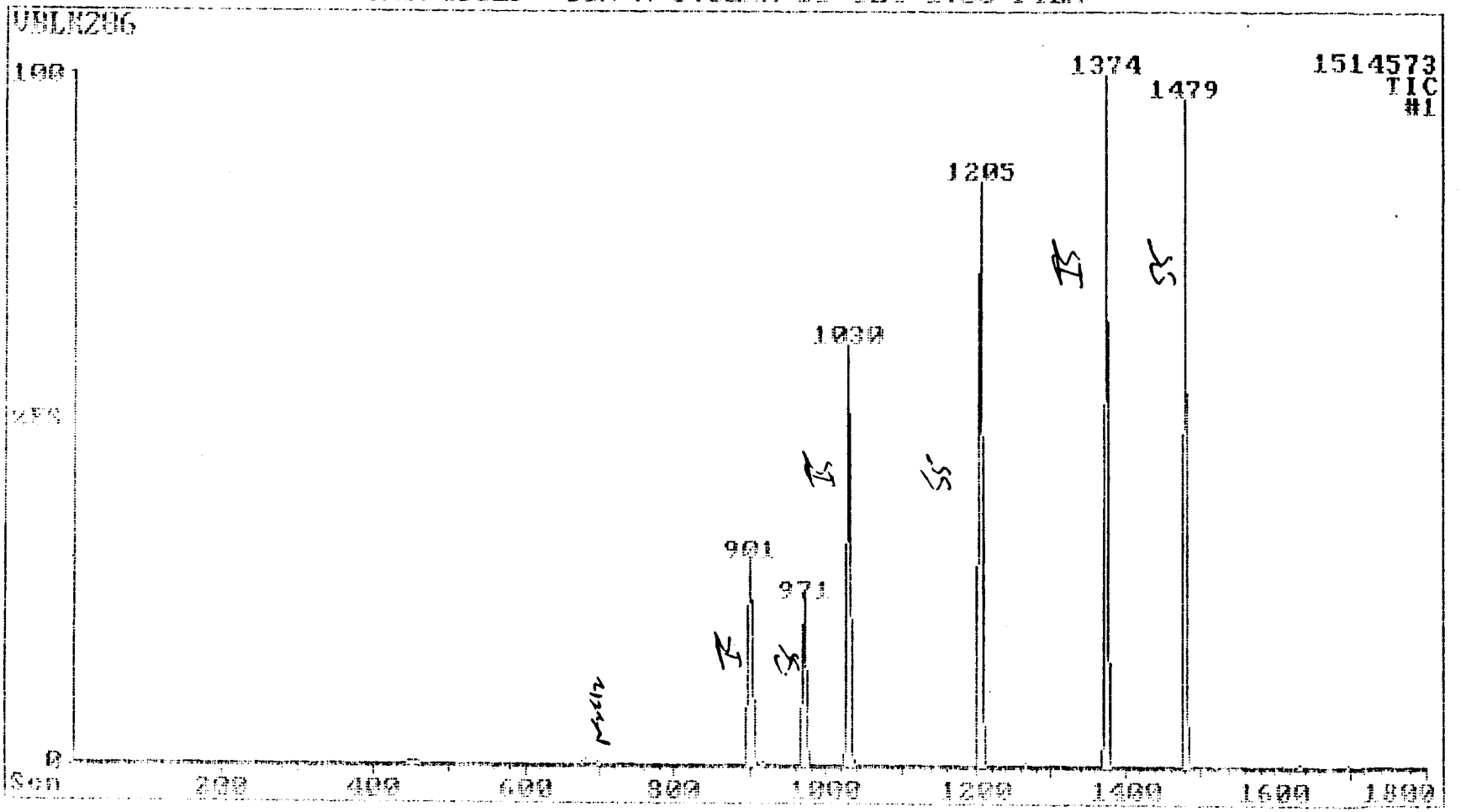


BOE-C6-0072295

29-Sep-92 14:59 TRIO1 KENNEDY/JENKS WCC8S-2 250UL
DATA FILE:22433T32 GRS#4052F 30M X 0.32MM DB-624 1.8U FILM



29-Sep-92 13:03 TRI01 LAB BLANK 0928-241-5
DATA FILE:VBLK286 GRS#4052F 30M X 0.32MM DB-624 1.8U FILM



BOE-C6-0072297

Abbreviations Summary

General Reporting Abbreviations:

B Blank - Indicates that the compound was found in both the sample and the blank. The sample value is reported without blank subtraction. If the sample value is less than 10X the blank value times the sample dilution factor, the compound may be present as a laboratory contaminant.

D Indicates that the sample was diluted, and consequently the surrogates were too dilute to accurately measure.

DL Detection Limit - Is the minimum value which we believe can be detected in the sample with a high degree of confidence, taking into account dilution factors and interferences. The reported detection limits are equal to or greater than Method Detection Limits (MDL) to allow for day to day and instrument to instrument variations in sensitivity.

J Indicates that the value is an estimate.

ND Not Detected - Indicates that the compound was not found in the sample at or above the detection limit.

ppm parts per million (billion) in liquids is usually equivalent
ppb to mg/l (ug/l), or in solids to mg/kg (ug/kg). In the gas phase it is equivalent to ul/l (ul/m^3).

TR Trace - Indicates that the compound was observed at a value less than our normal reported Detection Limit (DL), but we feel its presence may be important to you. These values are subject to large errors and low degrees of confidence.

kg kilogram	mg milligram	l liter	m meter
g gram	ug microgram	ul microliter	

QC Abbreviations:

Control Control Limits are determined from historical data for a QC parameter. The test value must be within this acceptable range for the test to be considered in control. Usually this range corresponds to the 99% confidence interval for the historical data.

% Error Percent Error - This is a measure of accuracy based on the analysis of a Laboratory Control Standard (LCS). An LCS is a reference sample of known value such as an NIST Standard Reference Material (SRM). The % Error is expressed in percent as the difference between the known value and the experimental value, divided by the known value. The LCS may simply be a solution based standard which confirms calibration (ICV or CCV - initial or continuing calibration verification), or it may be a reference sample taken through preparation and analysis.

Abbreviations Summary

General Reporting Abbreviations:

B — Blank - Indicates that the compound was found in both the sample and the blank. The sample value is reported without blank subtraction. If the sample value is less than 10X the blank value times the sample dilution factor, the compound may be present as a laboratory contaminant.

D — Indicates that the sample was diluted, and consequently the surrogates were too dilute to accurately measure.

DL — Detection Limit - Is the minimum value which we believe can be detected in the sample with a high degree of confidence, taking into account dilution factors and interferences. The reported detection limits are equal to or greater than Method Detection Limits (MDL) to allow for day to day and instrument to instrument variations in sensitivity.

J — Indicates that the value is an estimate.

ND — Not Detected - Indicates that the compound was not found in the sample at or above the detection limit.

ppm, ppb — parts per million (billion) in liquids is usually equivalent to mg/l (ug/l), or in solids to mg/kg (ug/kg). In the gas phase it is equivalent to ul/l (ul/m^3).

TR — Trace - Indicates that the compound was observed at a value less than our normal reported Detection Limit (DL), but we feel its presence may be important to you. These values are subject to large errors and low degrees of confidence.

kg kilogram	mg milligram	l liter	m meter
g gram	ug microgram	ul microliter	

QC Abbreviations:

Control — Control Limits are determined from historical data for a QC parameter. The test value must be within this acceptable range for the test to be considered in control. Usually this range corresponds to the 99% confidence interval for the historical data.

% Error — Percent Error - This is a measure of accuracy based on the analysis of a Laboratory Control Standard (LCS). An LCS is a reference sample of known value such as an NIST Standard Reference Material (SRM). The % Error is expressed in percent as the difference between the known value and the experimental value, divided by the known value. The LCS may simply be a solution based standard which confirms calibration (ICV or CCV - initial or continuing calibration verification), or it may be a reference sample taken through preparation and analysis.

APPENDIX A

LABORATORY DATA SHEETS

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: DW-092192
WCAS JOB #: 22412

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/21/92 MATRIX: WATER
DATE EXTRACTED: 09/23/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/23/92 RUN NUMBER: 22412T1
INSTRUMENT ID: TRI01 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	1.		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	4.		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	9.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	8.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	110.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	97	93	91
CONTROL LIMITS	86-121	84-115	83-112

BOE-C6-0072301

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: DW-092192
WCAS JOB #: 22412

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T1
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: FB-092192
WCAS JOB #: 22412

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T2
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	ND		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	2.		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	12.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	7.	B	5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	95	93	88
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: FB-092192
WCAS JOB #: 22412

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T2
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: TB-092192
WCAS JOB #: 22412

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T3
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		1.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		1.
67-66-3	CHLOROFORM	ND		5.
74-87-3	CHLOROMETHANE	ND		1.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	8.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	95	90	89
CONTROL LIMITS	86-121	84-115	83-112

WCAS

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: TB-092192
WCAS JOB #: 22412

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T3
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC5S-2
WCAS JOB #: 22412

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/21/92
DATE EXTRACTED: 09/23/92
DATE ANALYZED: 09/23/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22412T4
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		1.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		1.
67-66-3	CHLOROFORM	ND		5.
74-87-3	CHLOROMETHANE	ND		1.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	21.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	3.		1.
75-09-2	METHYLENE CHLORIDE	ND		5.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	8.	B	1.
100-42-5	STYRENE	ND		5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		1.
108-88-3	TOLUENE	ND		5.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	5.		1.
108-05-4	VINYL ACETATE	ND		1.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		5.
		ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	96	91	89
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC5S-2
WCAS JOB #: 22412

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T4
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC9S-2
WCAS JOB #: 22412

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/21/92
DATE EXTRACTED: 09/23/92
DATE ANALYZED: 09/23/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22412T7
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		1.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		1.
67-66-3	CHLOROFORM	6.		5.
74-87-3	CHLOROMETHANE	ND		1.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	6.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	2.		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	1.		1.
75-09-2	METHYLENE CHLORIDE	ND		5.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	10.	B	1.
100-42-5	STYRENE	ND		5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		1.
108-88-3	TOLUENE	ND		5.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	45.		1.
108-05-4	VINYL ACETATE	ND		1.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		5.
				1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	97	91	87
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC9S-2
WCAS JOB #: 22412

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T7
INSTRUMENT ID:	TRI01	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC10S-2
WCAS JOB #: 22412

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/21/92 MATRIX: WATER
DATE EXTRACTED: 09/23/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/23/92 RUN NUMBER: 22412T8
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		1.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	1.		1.
75-00-3	CHLOROETHANE	ND		1.
67-66-3	CHLOROFORM	ND		5.
74-87-3	CHLOROMETHANE	4.		1.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	9.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		1.
75-09-2	METHYLENE CHLORIDE	ND		5.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	8.	B	1.
100-42-5	STYRENE	ND		5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		1.
108-88-3	TOLUENE	ND		5.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	120.		1.
108-05-4	VINYL ACETATE	ND		1.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		5.
		ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	100	91	86
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC10S-2
WCAS JOB #: 22412

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T8
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC11S-2
WCAS JOB #: 22412

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/21/92 MATRIX: WATER
DATE EXTRACTED: 09/23/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/23/92 RUN NUMBER: 22412T9
INSTRUMENT ID: TRI01 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	ND		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	17.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	2.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	2.		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	9.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	140.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	97	92	85
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC11S-2
WCAS JOB #: 22412

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/21/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22412T9
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22412

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	VBLK278
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	5.
71-43-2	BENZENE	ND	1.
75-27-4	BROMODICHLOROMETHANE	ND	1.
75-25-2	BROMOFORM	ND	1.
74-83-9	BROMOMETHANE	ND	1.
78-93-3	2-BUTANONE (MEK)	ND	5.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	1.
108-90-7	CHLOROBENZENE	ND	1.
75-00-3	CHLOROETHANE	ND	1.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	1.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	1.
95-50-1	1,2-DICHLOROBENZENE	ND	1.
541-73-1	1,3-DICHLOROBENZENE	ND	1.
106-46-7	1,4-DICHLOROBENZENE	ND	1.
75-34-3	1,1-DICHLOROETHANE	ND	1.
107-06-2	1,2-DICHLOROETHANE	ND	1.
75-35-4	1,1-DICHLOROETHYLENE	ND	1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	1.
78-87-5	1,2-DICHLOROPROPANE	ND	1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1.
100-41-4	ETHYLBENZENE	ND	1.
106-93-4	ETHYLENE DIBROMIDE	ND	1.
76-13-1	FREON-TF	ND	1.
119-78-6	2-HEXANONE	ND	1.
75-09-2	METHYLENE CHLORIDE	ND	5.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	6.	1.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	1.
127-18-4	TETRACHLOROETHYLENE	ND	1.
109-99-9	TETRAHYDROFURAN	ND	1.
108-88-3	TOLUENE	10.	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	1.
79-00-5	1,1,2-TRICHLOROETHANE	ND	1.
79-01-6	TRICHLOROETHYLENE	ND	1.
75-69-4	TRICHLOROFLUOROMETHANE	ND	1.
108-05-4	VINYL ACETATE	ND	1.
75-01-4	VINYL CHLORIDE	ND	5.
1330-20-7	TOTAL XYLENES	ND	5.
		ND	1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	97	95	92
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22412

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	VBLK278
INSTRUMENT ID:	TRI01	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

WEST COAST ANALYTICAL SERVICE

MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY AND RPD SUMMARY

SAMPLE: WCC5S-2
MATRIX: WATER
UNITS : UG/L (PPB)

VOLATILE COMPOUNDS

COMPOUND	CONC SPIKED	CONC SAMPLE	CONC MS	%REC MS	CONC MSD	%REC MSD	RPD
1,1-DICHLOROETHYLENE	50.	21.	58.	73	56.	70	3
BENZENE	50.	ND	41.	82	42.	84	-2
TRICHLOROETHYLENE	50.	5.	54.	99	54.	99	0
TOLUENE	50.	ND	47.	94	47.	94	0
CHLOROBENZENE	50.	ND	49.	97	49.	97	0

WATER QUALITY CONTROL LIMITS

	% RECOVERY		RPD	
	WARNING	CONTROL	WARNING	CONTROL
1,1-DICHLOROETHYLENE	51-155	25-182	24	36
BENZENE	73-125	60-138	14	19
TRICHLOROETHYLENE	59-120	44-135	13	19
TOLUENE	80-116	71-125	13	19
CHLOROBENZENE	82-109	75-115	10	15

Date Analyzed: 9/23/92

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: DW-092292
WCAS JOB #: 22423

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED:	09/22/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22423T1
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	ND		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	19.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	1.		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	9.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	1.		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	97.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	101	99	93
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: DW-092292
WCAS JOB #: 22423

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/22/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22423T1
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: FB-092292
WCAS JOB #: 22423

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/22/92
DATE EXTRACTED: 09/23/92
DATE ANALYZED: 09/23/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22423T2
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	ND		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	1.		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	10.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	6.		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	101	98	93
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: FB-092292
WCAS JOB #: 22423

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/22/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22423T2
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

BOE-C6-0072321

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: TB-092292
WCAS JOB #: 22423

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/22/92
DATE EXTRACTED: 09/23/92
DATE ANALYZED: 09/23/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22423T3
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		1.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		1.
67-66-3	CHLOROFORM	ND		5.
74-87-3	CHLOROMETHANE	ND		1.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	9.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	ND		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	101	98	94
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: TB-092292
WCAS JOB #: 22423

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/22/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22423T3
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

ULTANTS SAMPLE: WCC1D-2

RGANICS (EPA 624/8240)

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22423T4
UNITS: UG/L (PPB)

	CONCENTRATION		DET LIMIT
	ND		5.
	ND		1.
NE	ND		1.
	ND		1.
	ND		5.
	ND		5.
	ND		1.
DE	ND		1.
	ND		1.
	ND		5.
	ND		1.
	ND		5.
	ND		1.
E	ND		1.
	ND		1.
NE	ND		1.
	ND		1.
	ND		1.
E	ND		1.
NE	180.		1.
YLENE	2.		1.
THYLENE	ND		1.
NE	ND		1.
PENE	ND		1.
ROPENE	ND		1.
	ND		1.
	ND		1.
	4.		1.
	ND		5.
E	11.	B	1.
E (MIBK)	ND		5.
	ND		1.
ROETHANE	ND		1.
	ND		1.
	ND		5.
	ND		1.
ANE	8.		1.
NE	ND		1.
	44.		1.
THANE	ND		1.
	ND		5.
	ND		5.
	ND		1.

CA-d4	TOL-d8	BFB
	99	91
21	84-115	83-112

LE: WCC1D-2

OUNDS

IX: WATER
LE AMOUNT: 5ML
NUMBER: 22423T4
S: UG/L (PPB)

FRACTION	APPROXIMATE CONCENTRATION
VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC2S-2
WCAS JOB #: 22423

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/22/92
DATE EXTRACTED: 09/23/92
DATE ANALYZED: 09/23/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22423T5
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		1.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		1.
67-66-3	CHLOROFORM	ND		5.
74-87-3	CHLOROMETHANE	ND		1.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	ND		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	18.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	ND		1.
119-78-6	2-HEXANONE	ND		1.
75-09-2	METHYLENE CHLORIDE	ND		5.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	11.	B	1.
100-42-5	STYRENE	ND		5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		1.
108-88-3	TOLUENE	ND		5.
71-55-6	1,1,1-TRICHLOROETHANE	1.		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	ND		1.
75-69-4	TRICHLOROFLUOROMETHANE	110.		1.
108-05-4	VINYL ACETATE	ND		1.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		5.
				1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	104	100	95
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC2S-2
WCAS JOB #: 22423

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/22/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	22423T5
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC3D-2
WCAS JOB #: 22423

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/22/92 MATRIX: WATER
DATE EXTRACTED: 09/23/92 SAMPLE AMOUNT: 5ML
DATE ANALYZED: 09/24/92 RUN NUMBER: 22423T6
INSTRUMENT ID: TRIO1 UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		5.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		1.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		5.
67-66-3	CHLOROFORM	ND		1.
74-87-3	CHLOROMETHANE	ND		5.
108-41-8	CHLOROTOLUENE	ND		1.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	ND		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	21.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	1.		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	8.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	27.		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	2.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	102	99	96
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC3D-2
WCAS JOB #: 22423

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/22/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/24/92	RUN NUMBER:	22423T6
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC12S-2
WCAS JOB #: 22423

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/22/92
DATE EXTRACTED: 09/23/92
DATE ANALYZED: 09/24/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: 22423T7
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION		DET LIMIT
67-64-1	ACETONE	ND		5.
71-43-2	BENZENE	ND		1.
75-27-4	BROMODICHLOROMETHANE	ND		1.
75-25-2	BROMOFORM	ND		1.
74-83-9	BROMOMETHANE	ND		1.
78-93-3	2-BUTANONE (MEK)	ND		5.
75-15-0	CARBON DISULFIDE	ND		5.
56-23-5	CARBON TETRACHLORIDE	ND		1.
108-90-7	CHLOROBENZENE	ND		1.
75-00-3	CHLOROETHANE	ND		1.
67-66-3	CHLOROFORM	3.		5.
74-87-3	CHLOROMETHANE	ND		1.
108-41-8	CHLOROTOLUENE	ND		5.
124-48-1	DIBROMOCHLOROMETHANE	ND		1.
95-50-1	1,2-DICHLOROBENZENE	ND		1.
541-73-1	1,3-DICHLOROBENZENE	ND		1.
106-46-7	1,4-DICHLOROBENZENE	ND		1.
75-34-3	1,1-DICHLOROETHANE	7.		1.
107-06-2	1,2-DICHLOROETHANE	ND		1.
75-35-4	1,1-DICHLOROETHYLENE	130.		1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	3.		1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND		1.
78-87-5	1,2-DICHLOROPROPANE	ND		1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND		1.
100-41-4	ETHYLBENZENE	ND		1.
106-93-4	ETHYLENE DIBROMIDE	ND		1.
76-13-1	FREON-TF	4.		1.
119-78-6	2-HEXANONE	ND		5.
75-09-2	METHYLENE CHLORIDE	7.	B	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND		5.
100-42-5	STYRENE	ND		1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND		1.
127-18-4	TETRACHLOROETHYLENE	ND		1.
109-99-9	TETRAHYDROFURAN	ND		5.
108-88-3	TOLUENE	ND		1.
71-55-6	1,1,1-TRICHLOROETHANE	1.		1.
79-00-5	1,1,2-TRICHLOROETHANE	ND		1.
79-01-6	TRICHLOROETHYLENE	500.		1.
75-69-4	TRICHLOROFLUOROMETHANE	ND		1.
108-05-4	VINYL ACETATE	ND		5.
75-01-4	VINYL CHLORIDE	ND		5.
1330-20-7	TOTAL XYLENES	ND		1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	102	100	95
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: WCC12S-2
WCAS JOB #: 22423

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/22/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/24/92	RUN NUMBER:	22423T7
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22423

VOLATILE ORGANICS (EPA 624/8240)

DATE RECEIVED: 09/23/92
DATE EXTRACTED: 09/23/92
DATE ANALYZED: 09/23/92
INSTRUMENT ID: TRIO1

MATRIX: WATER
SAMPLE AMOUNT: 5ML
RUN NUMBER: VBLK279
UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	5.
71-43-2	BENZENE	ND	1.
75-27-4	BROMODICHLOROMETHANE	ND	1.
75-25-2	BROMOFORM	ND	1.
74-83-9	BROMOMETHANE	ND	1.
78-93-3	2-BUTANONE (MEK)	ND	5.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	1.
108-90-7	CHLOROBENZENE	ND	1.
75-00-3	CHLOROETHANE	ND	1.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	1.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	1.
95-50-1	1,2-DICHLOROBENZENE	ND	1.
541-73-1	1,3-DICHLOROBENZENE	ND	1.
106-46-7	1,4-DICHLOROBENZENE	ND	1.
75-34-3	1,1-DICHLOROETHANE	ND	1.
107-06-2	1,2-DICHLOROETHANE	ND	1.
75-35-4	1,1-DICHLOROETHYLENE	ND	1.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	1.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	1.
78-87-5	1,2-DICHLOROPROPANE	ND	1.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	1.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	1.
100-41-4	ETHYLBENZENE	ND	1.
106-93-4	ETHYLENE DIBROMIDE	ND	1.
76-13-1	FREON-TF	ND	1.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	11.	1.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	5.
100-42-5	STYRENE	ND	1.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	1.
127-18-4	TETRACHLOROETHYLENE	ND	1.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	1.
71-55-6	1,1,1-TRICHLOROETHANE	ND	1.
79-00-5	1,1,2-TRICHLOROETHANE	ND	1.
79-01-6	TRICHLOROETHYLENE	ND	1.
75-69-4	TRICHLOROFLUOROMETHANE	ND	1.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	5.
1330-20-7	TOTAL XYLENES	ND	1.

SURROGATE	1,2-DCA-d4	TOL-d8	BFB
PERCENT RECOVERY	100	97	94
CONTROL LIMITS	86-121	84-115	83-112

CLIENT: KENNEDY/JENKS CONSULTANTS SAMPLE: LAB BLANK
WCAS JOB #: 22423

TENTATIVELY IDENTIFIED COMPOUNDS

DATE RECEIVED:	09/23/92	MATRIX:	WATER
DATE EXTRACTED:	09/23/92	SAMPLE AMOUNT:	5ML
DATE ANALYZED:	09/23/92	RUN NUMBER:	VBLK279
INSTRUMENT ID:	TRIO1	UNITS:	UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

WEST COAST ANALYTICAL SERVICE

MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY AND RPD SUMMARY

QC BATCH #: 092392W
MATRIX : WATER
UNITS : UG/L (PPB)

VOLATILE COMPOUNDS

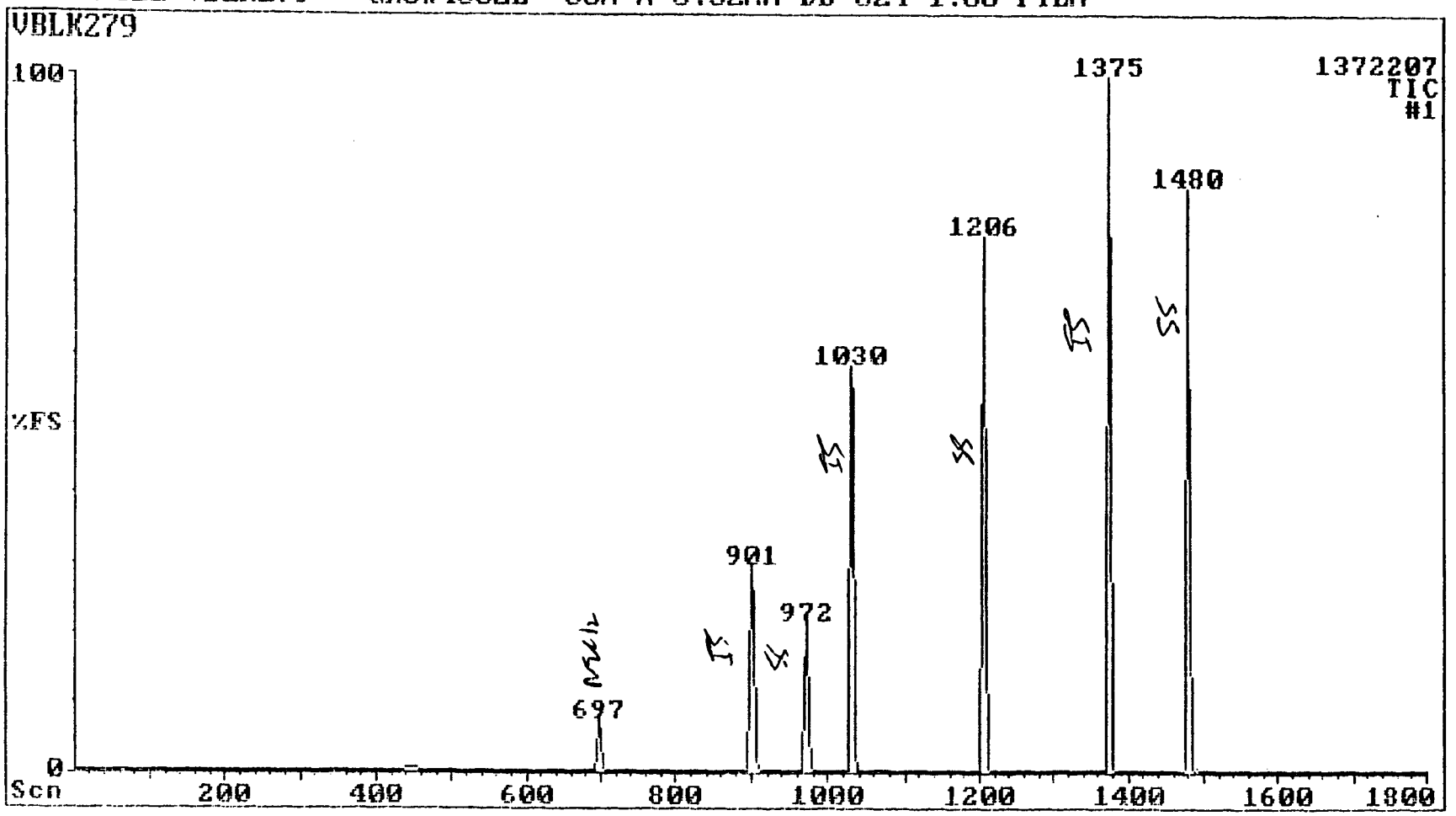
COMPOUND	CONC SPIKED	CONC SAMPLE	CONC MS	%REC MS	CONC MSD	%REC MSD	RPD
1,1-DICHLOROETHYLENE	50.	21.	58.	73	56.	70	3
BENZENE	50.	ND	41.	82	42.	84	-2
TRICHLOROETHYLENE	50.	5.	54.	99	54.	99	0
TOLUENE	50.	ND	47.	94	47.	94	0
CHLOROBENZENE	50.	ND	49.	97	49.	97	0

WATER QUALITY CONTROL LIMITS

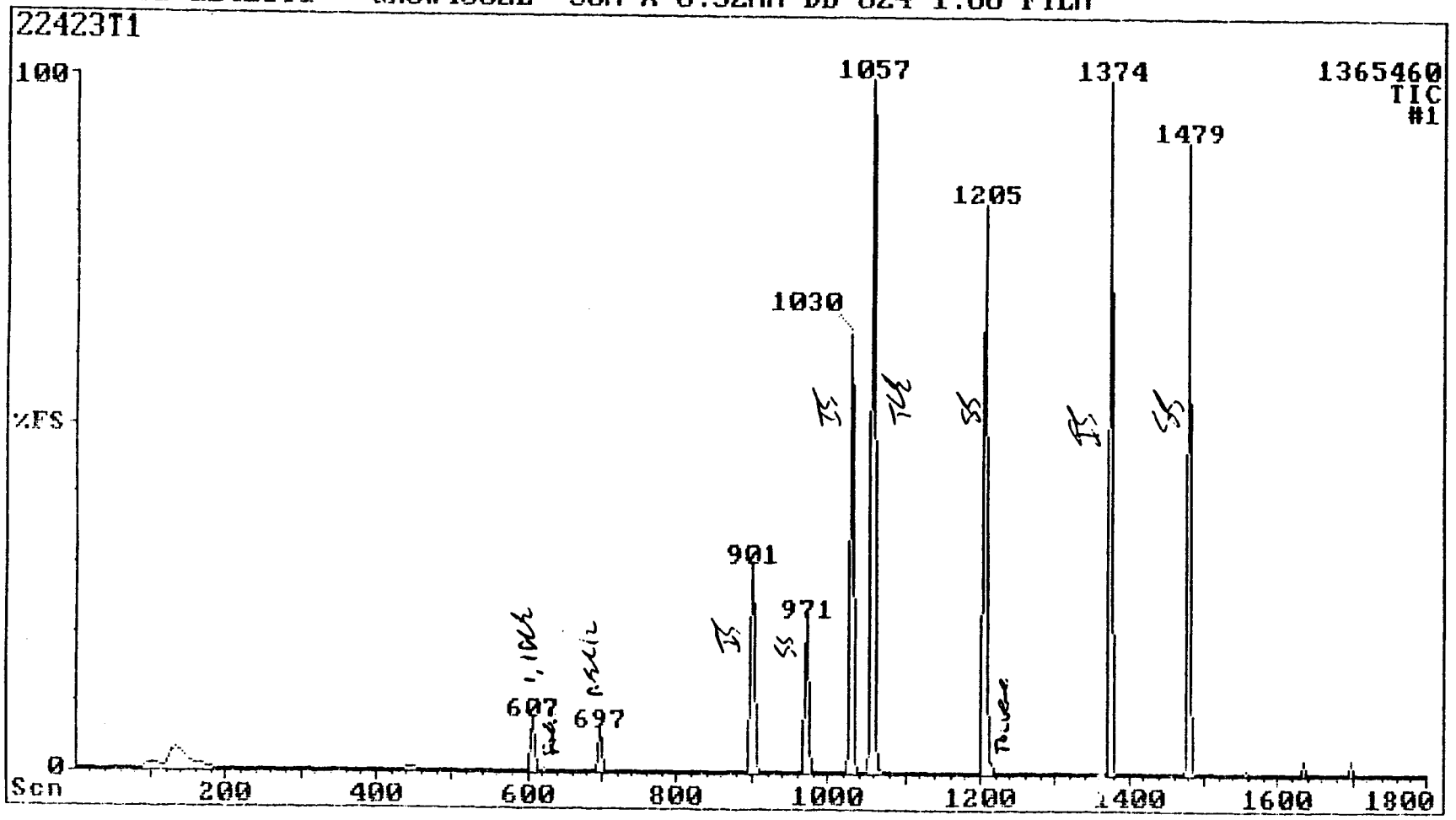
	% RECOVERY		RPD	
	WARNING	CONTROL	WARNING	CONTROL
1,1-DICHLOROETHYLENE	51-155	25-182	24	36
BENZENE	73-125	60-138	14	19
TRICHLOROETHYLENE	59-120	44-135	13	19
TOLUENE	80-116	71-125	13	19
CHLOROBENZENE	82-109	75-115	10	15

Date Analyzed: 9/23/92

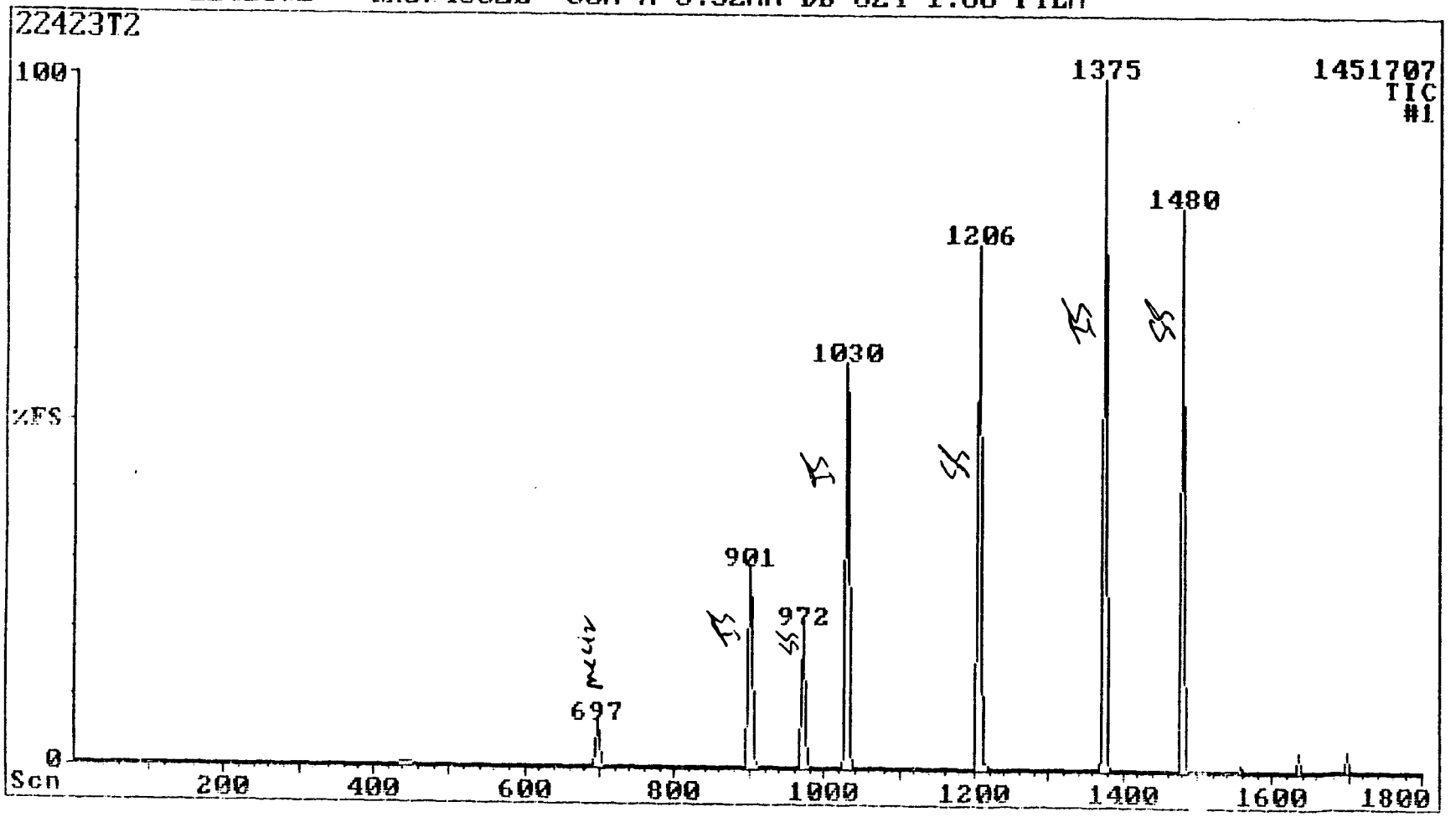
23-Sep-92 20:38 TRI01 LAB BLANK 0916-232-1
DATA FILE:VBLK279 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



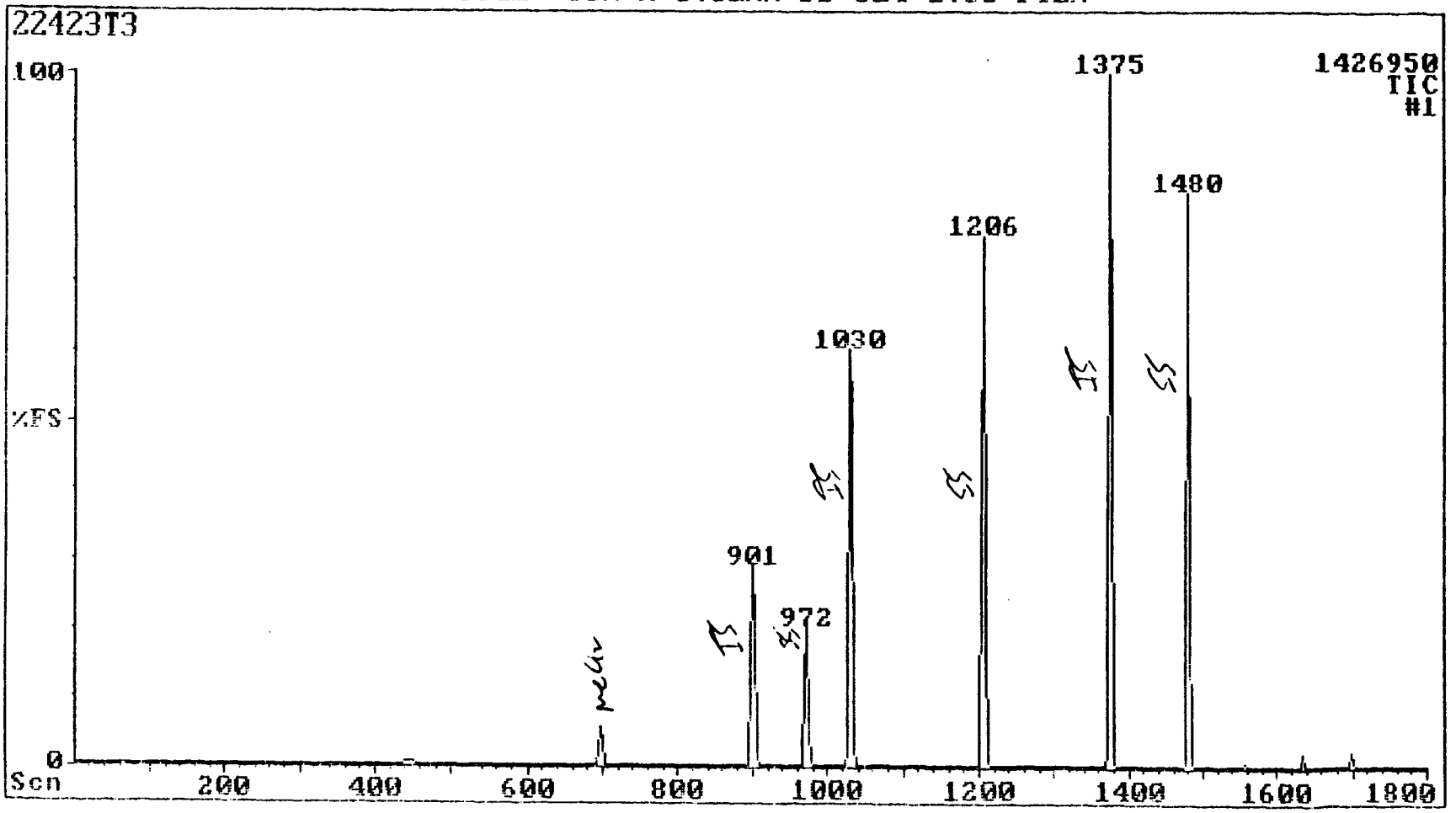
23-Sep-92 21:16 TRI01 KENNEDY/JENKS DW-092292 5ML
DATA FILE:22423T1 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



23-Sep-92 21:54 TRI01 KENNEDY/JENKS FB-092292 5ML
DATA FILE:22423T2 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

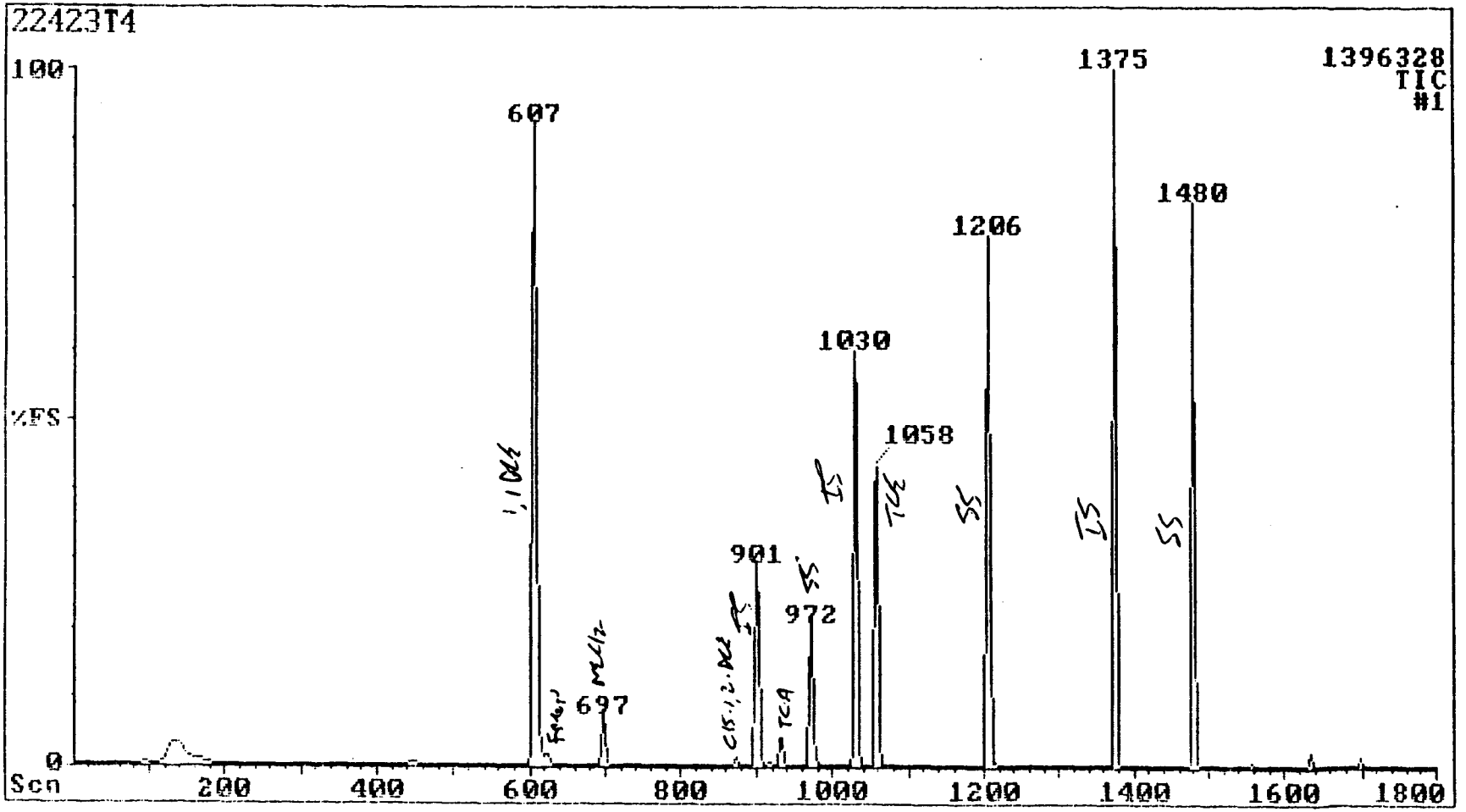


23-Sep-92 22:31 TRI01 KENNEDY/JENKS TB-092292 5ML
DATA FILE:22423T3 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

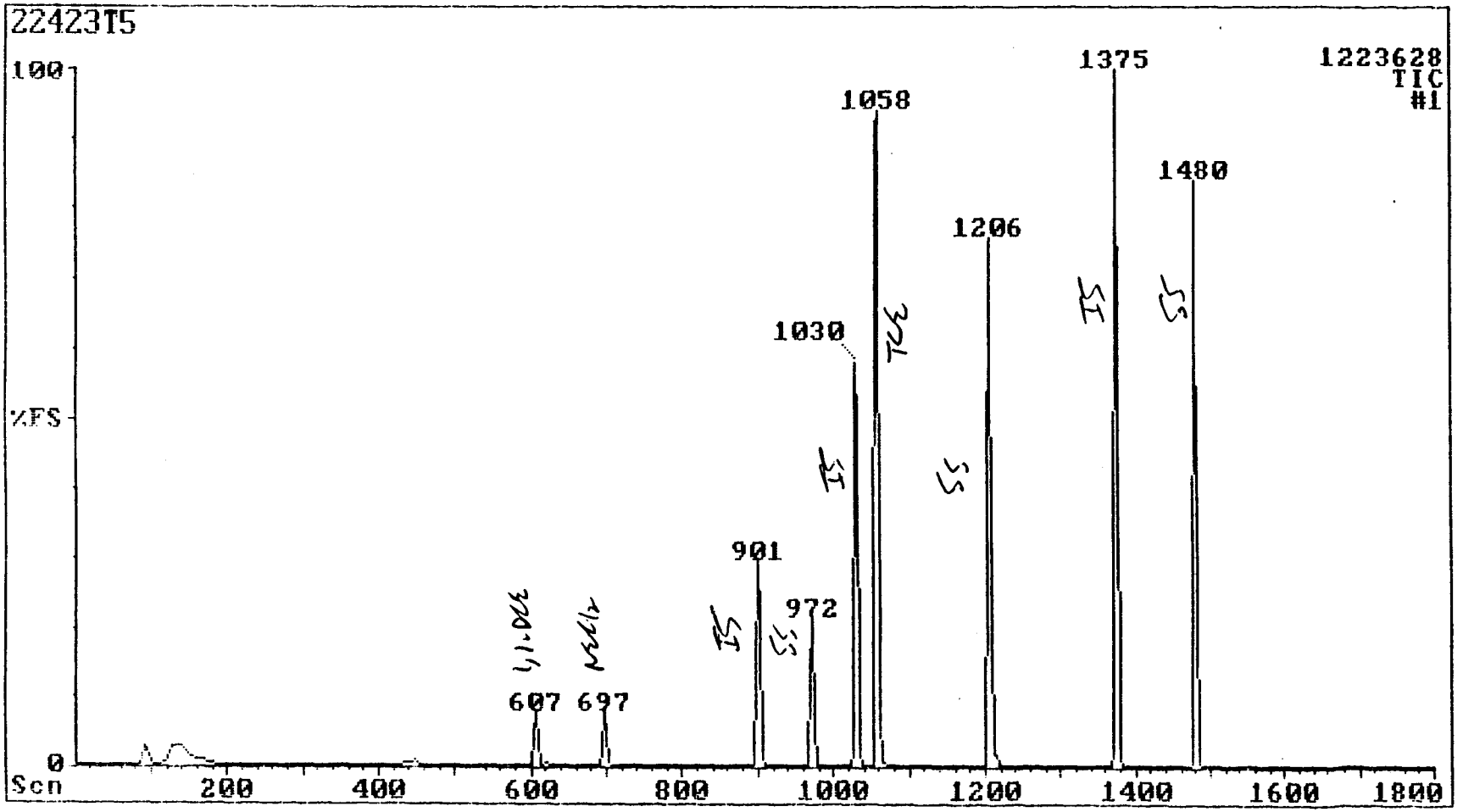


BOE-C6-0072337

23-Sep-92 23:09 TRI01 KENNEDY/JENKS WCC1D-2 5ML
DATA FILE:22423T4 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

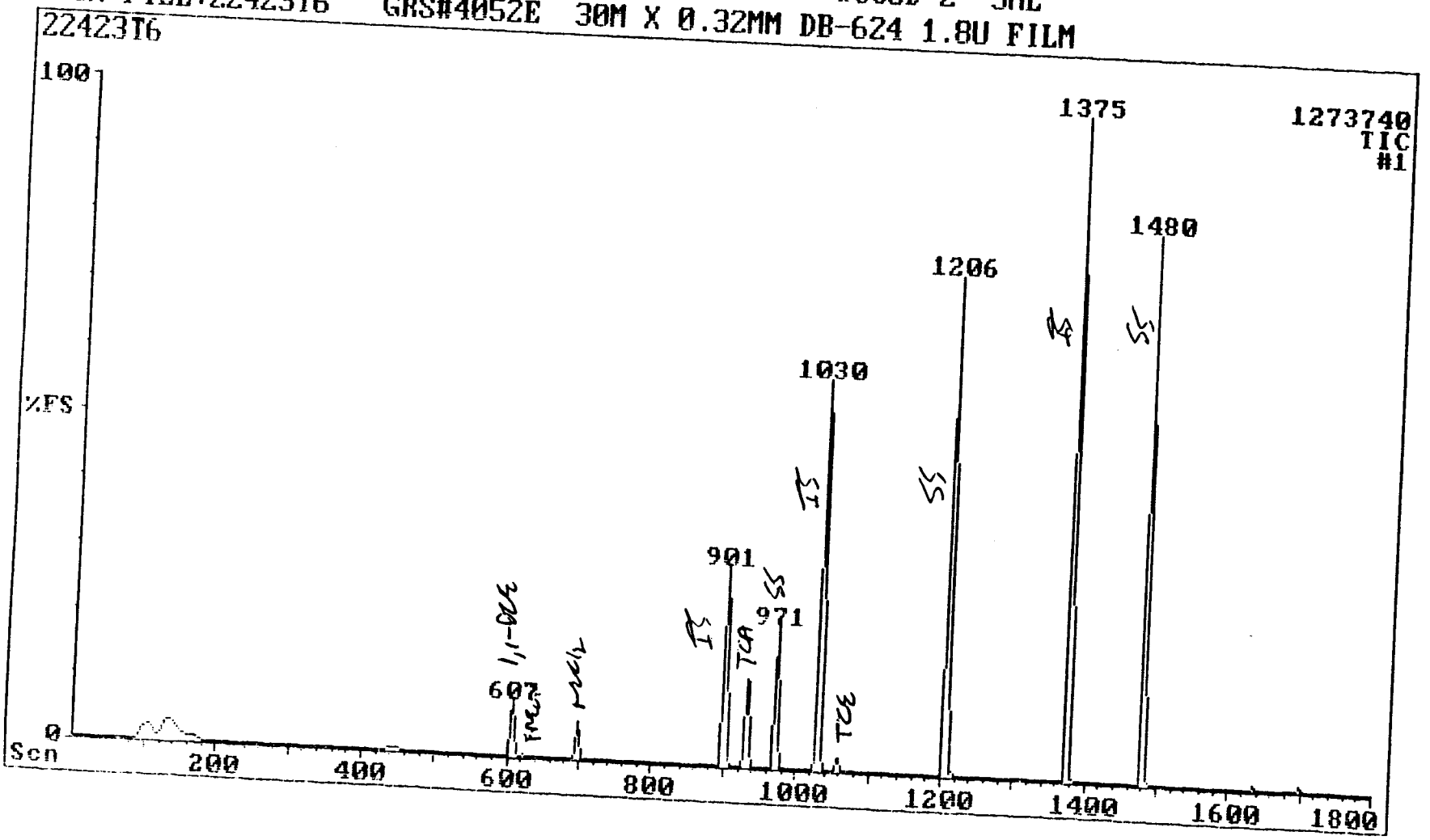


23-Sep-92 23:47 TRI01 KENNEDY/JENKS WCC2S-2 5ML
DATA FILE:22423T5 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

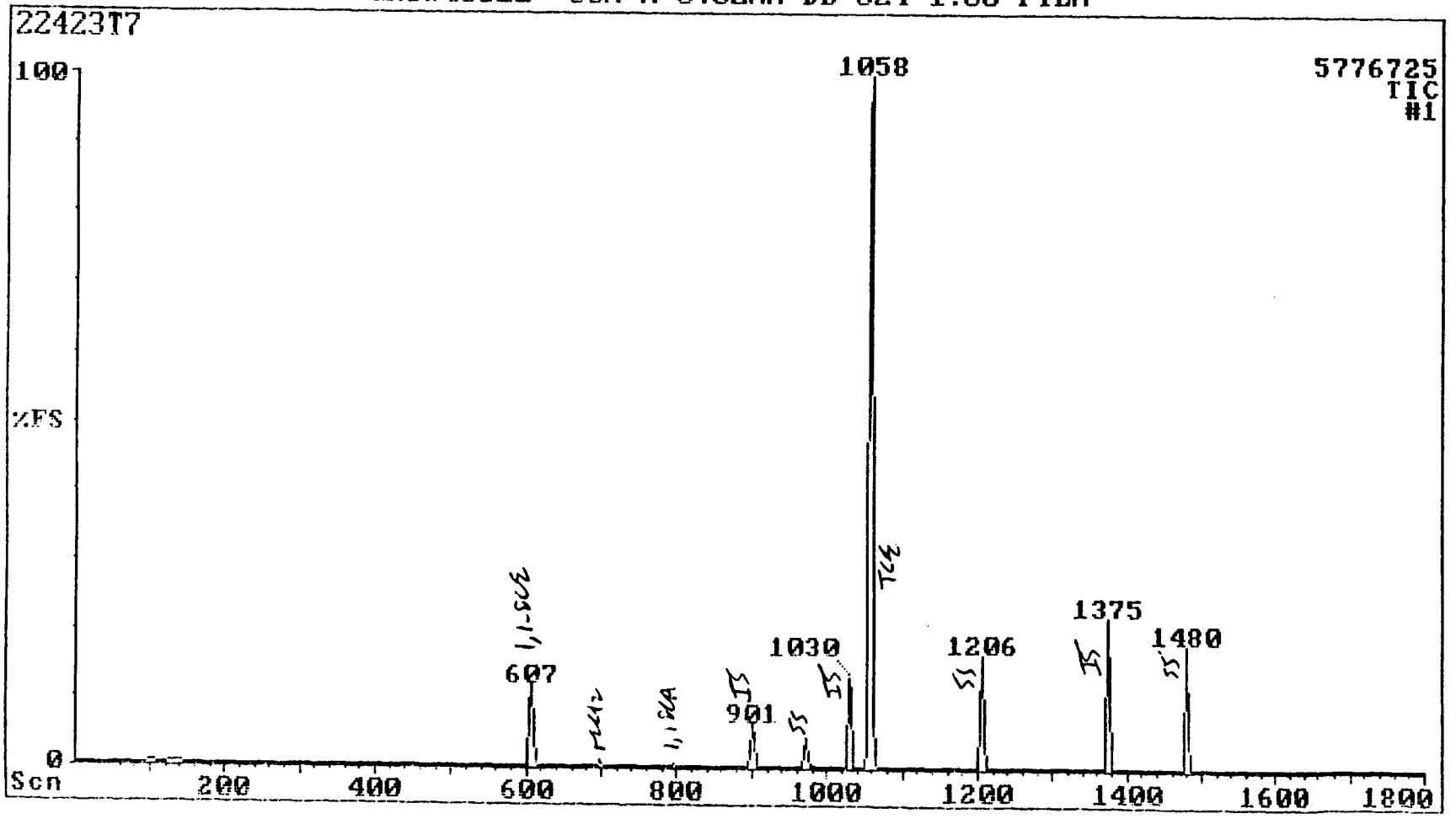


BOE-C6-0072339

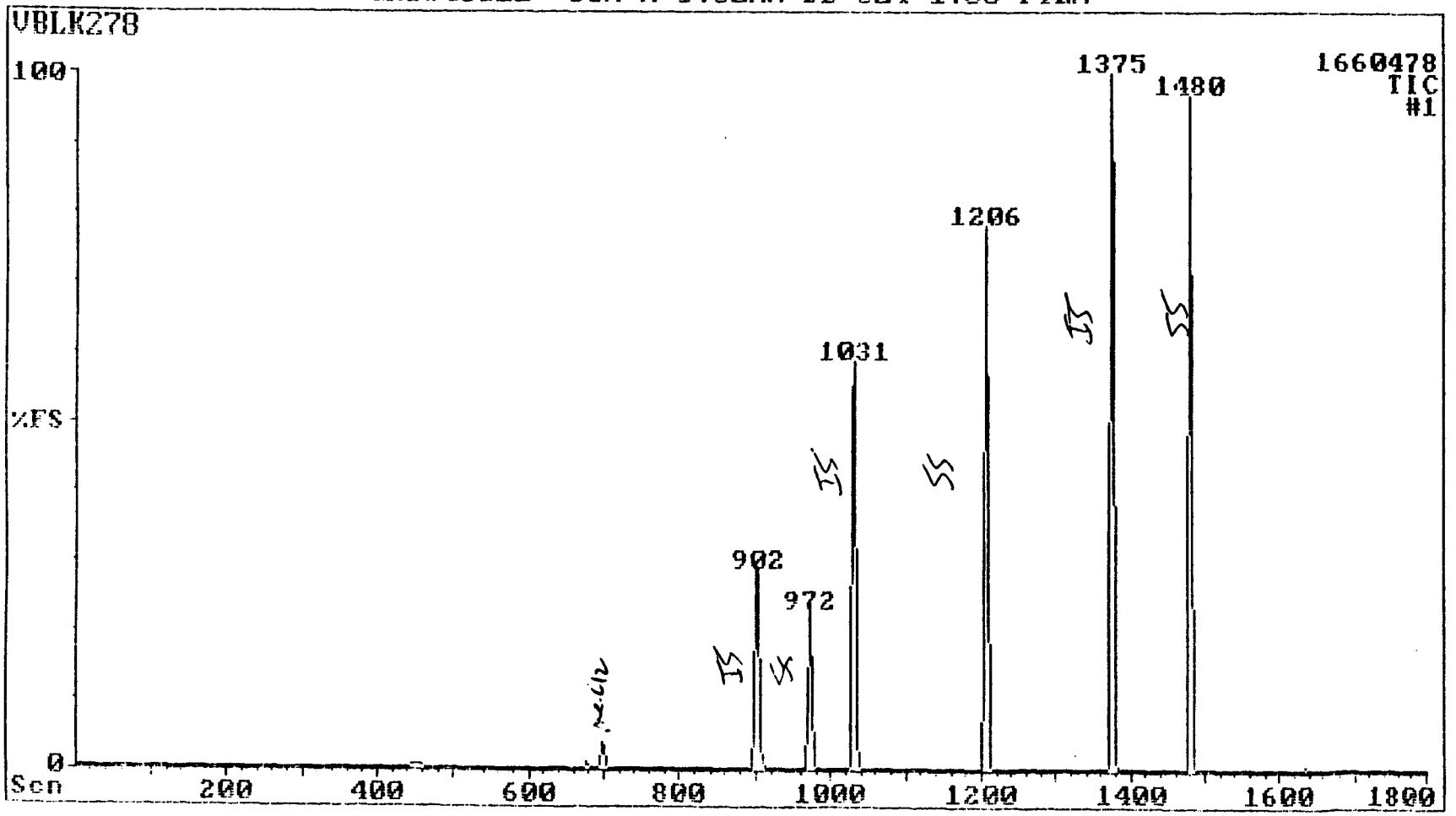
24-Sep-92 00:25 TRI01 KENNEDY/JENKS WCC3D-2 5ML
DATA FILE:22423T6 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



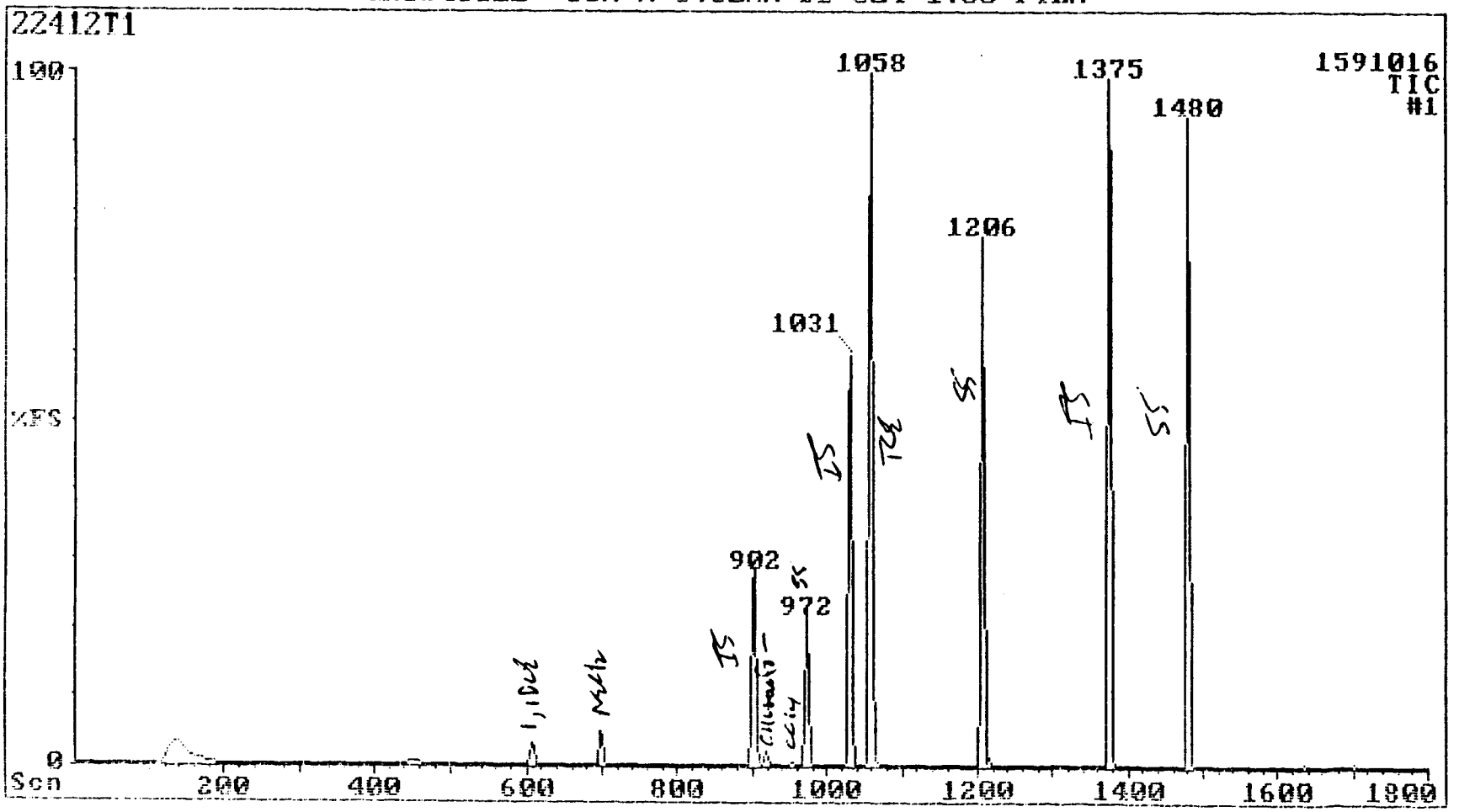
24-Sep-92 01:03 TRI01 KENNEDY/JENKS WCC12S-2 5ML
DATA FILE:22423T7 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



23-Sep-92 13:26 TRI01 LAB BLANK 0916-232-1
DATA FILE:VBLK278 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

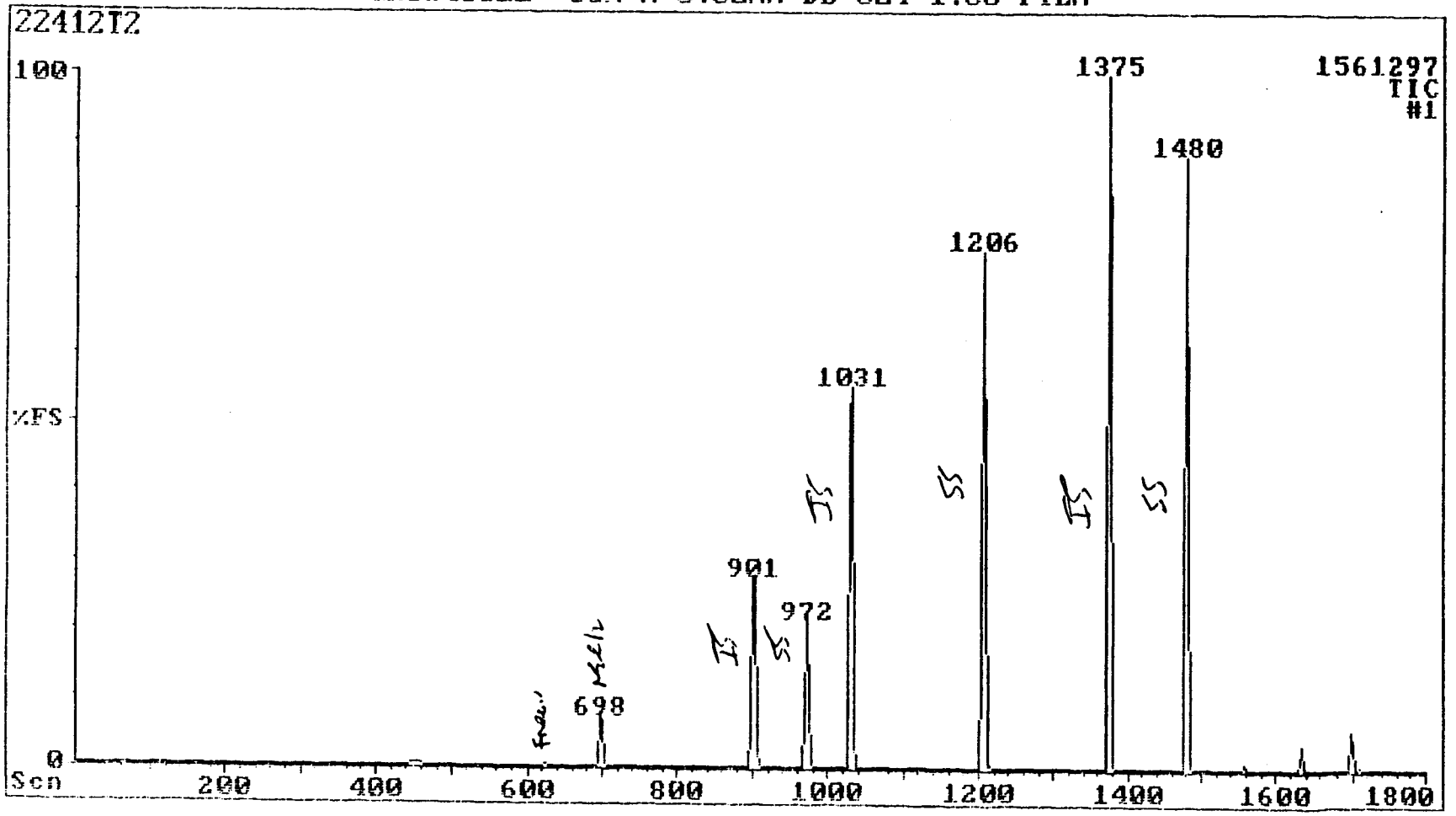


23-Sep-92 14:09 TRI01 KENNEDY/JENKS DW-092192 5ML
DATA FILE:22412T1 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

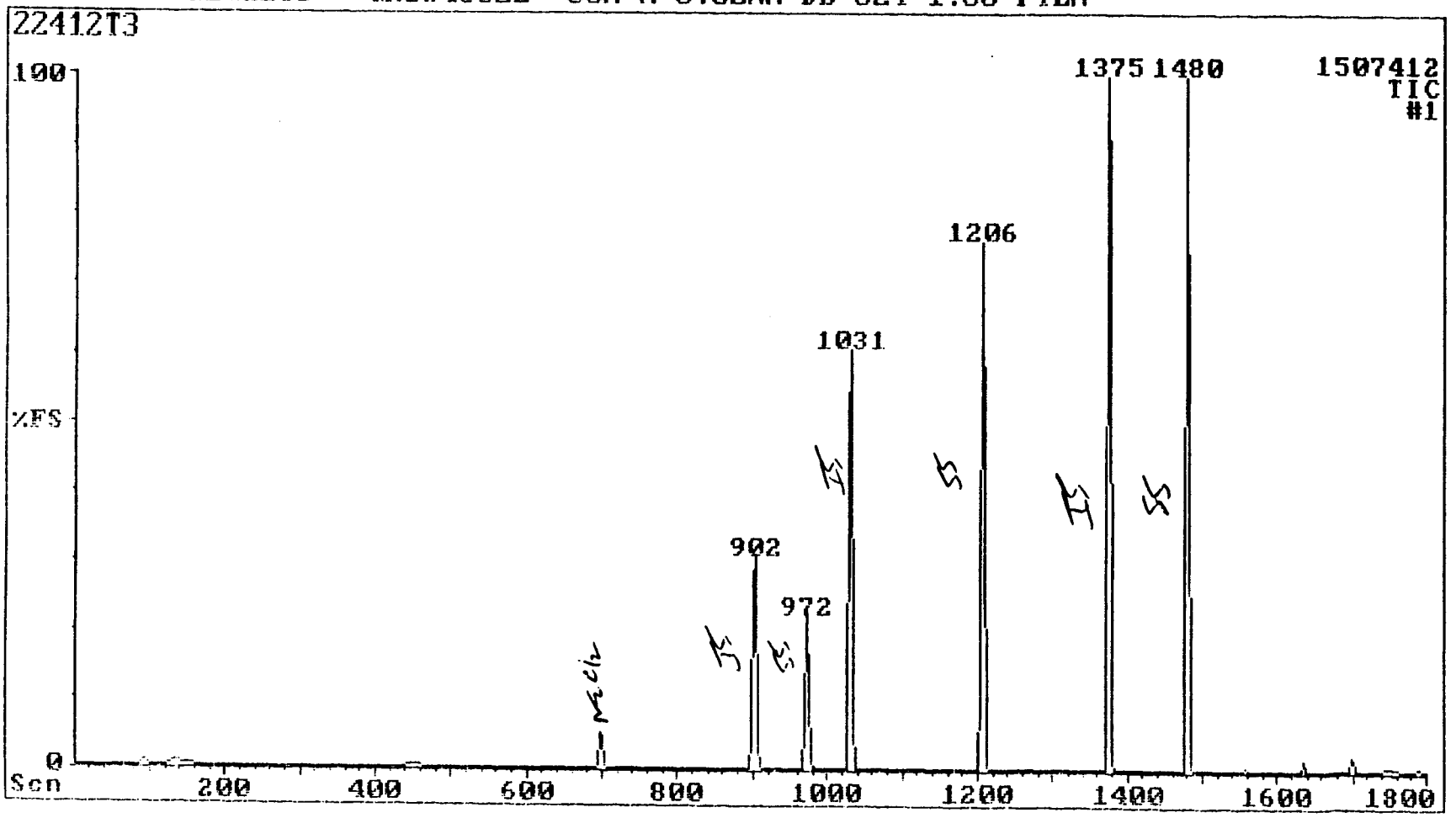


BOE-C6-0072343

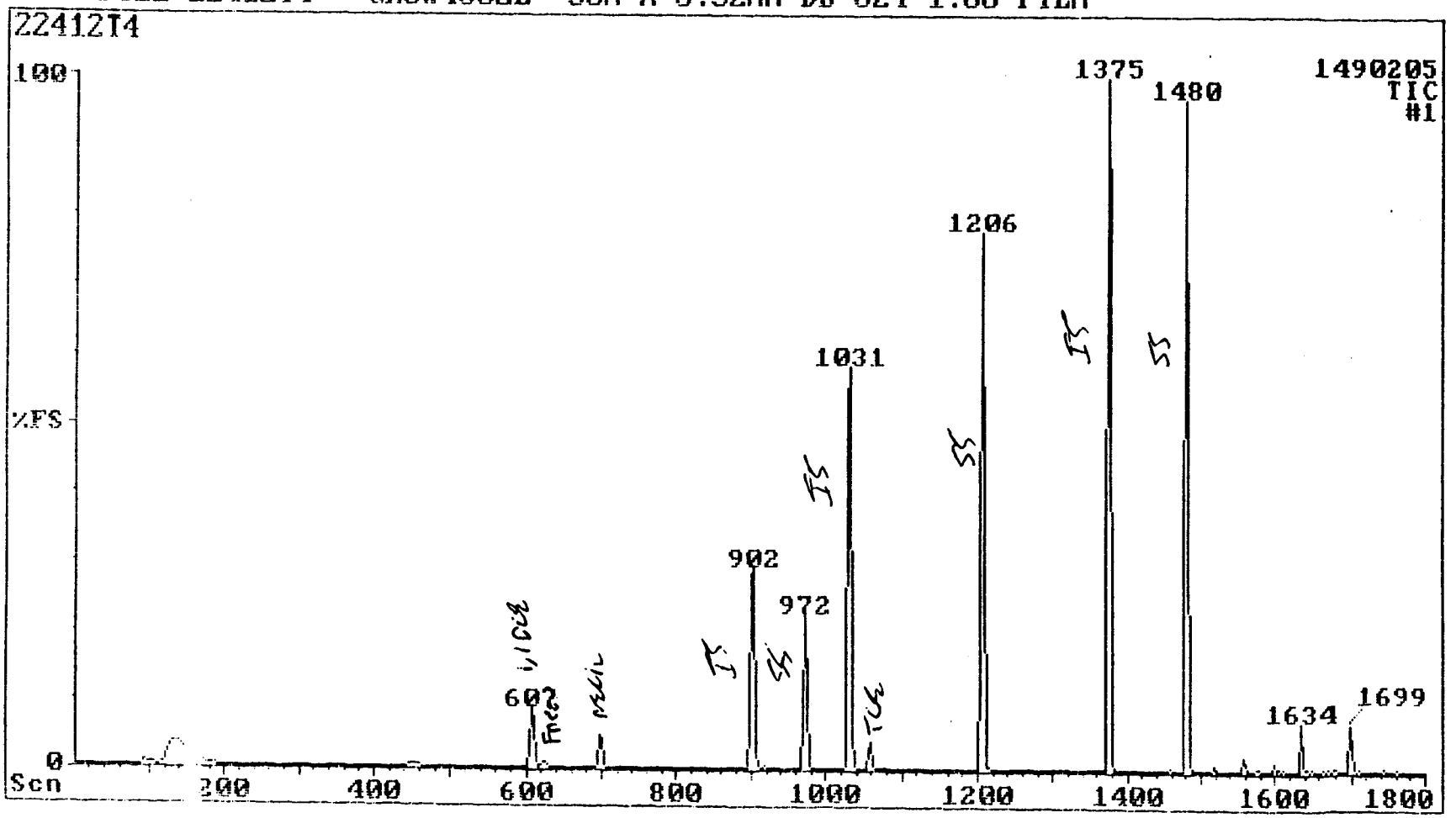
23-Sep-92 14:53 TRI01 KENNEDY/JENKS FB-092192 5ML
DATA FILE:22412T2 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



23-Sep-92 15:31 TRI01 KENNEDY/JENKS TB-092192 5ML
DATA FILE:22412T3 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

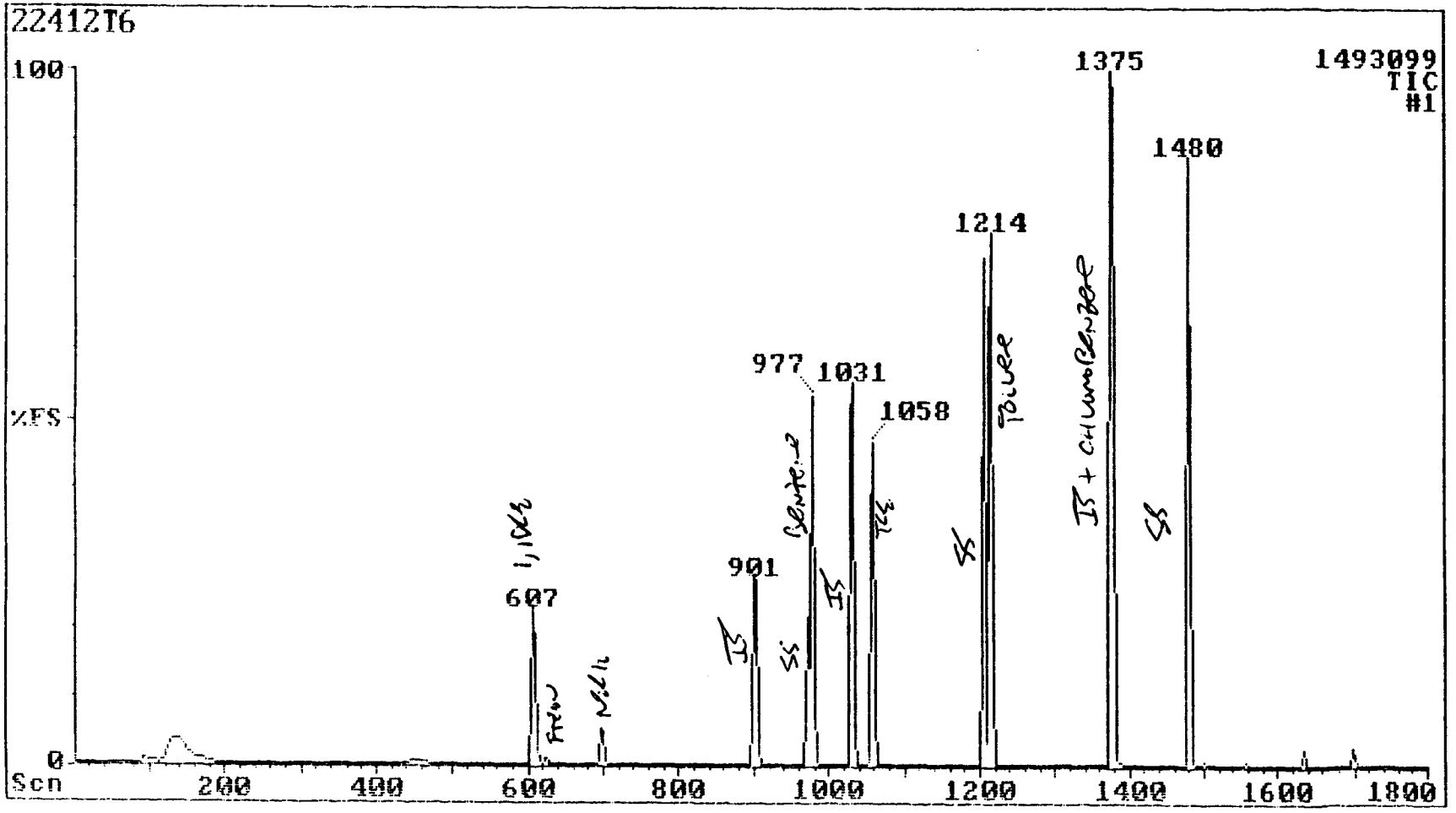


23-Sep-92 16:13 TRI01 KENNEDY/JENKS WCC5S-2 5ML
DATA FILE:22412T4 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

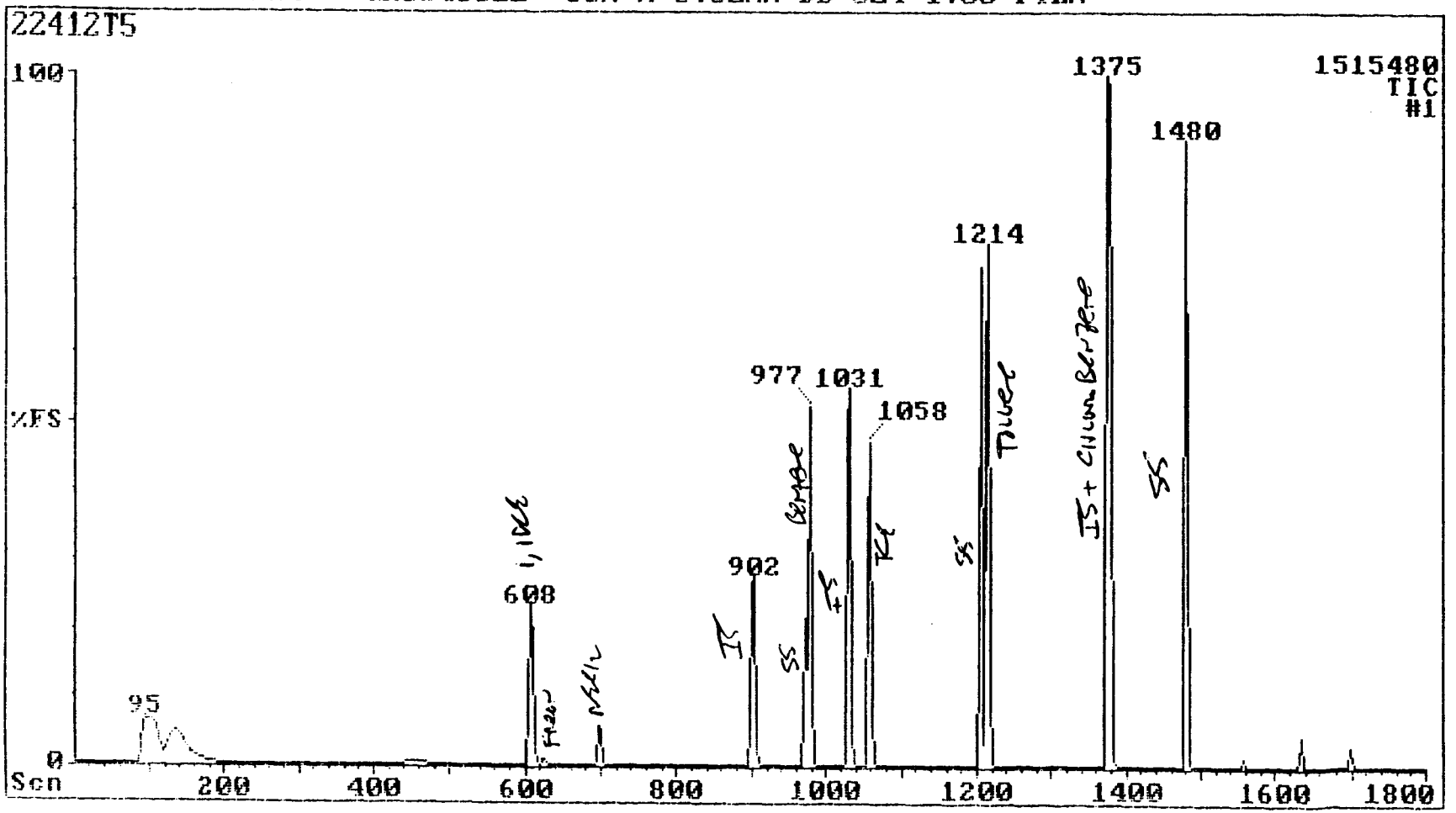


BOE-C6-0072346

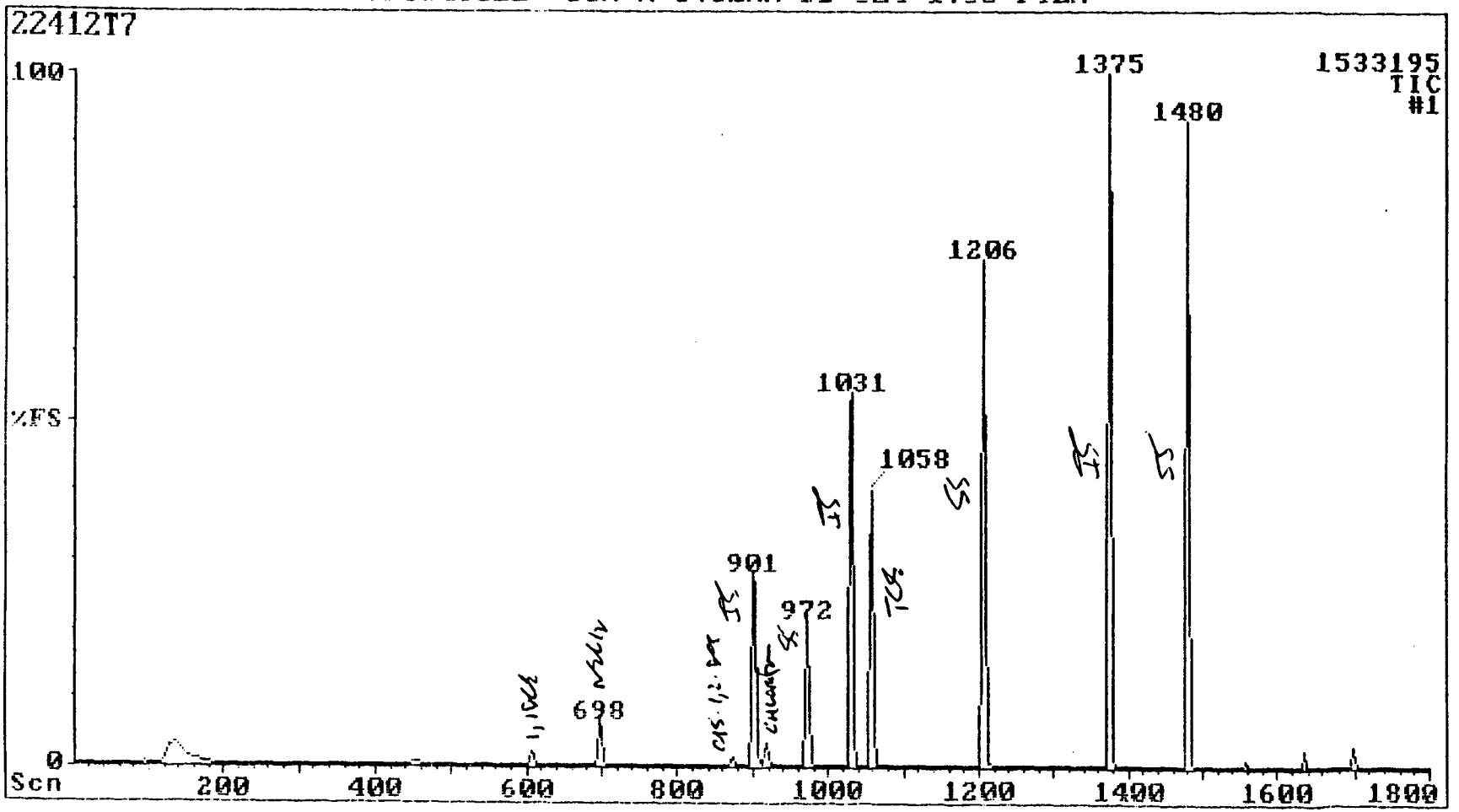
23-Sep-92 17:28 TRI01 KENNEDY/JENKS WCC5S-2 MSD 5ML
DATA FILE:22412T6 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



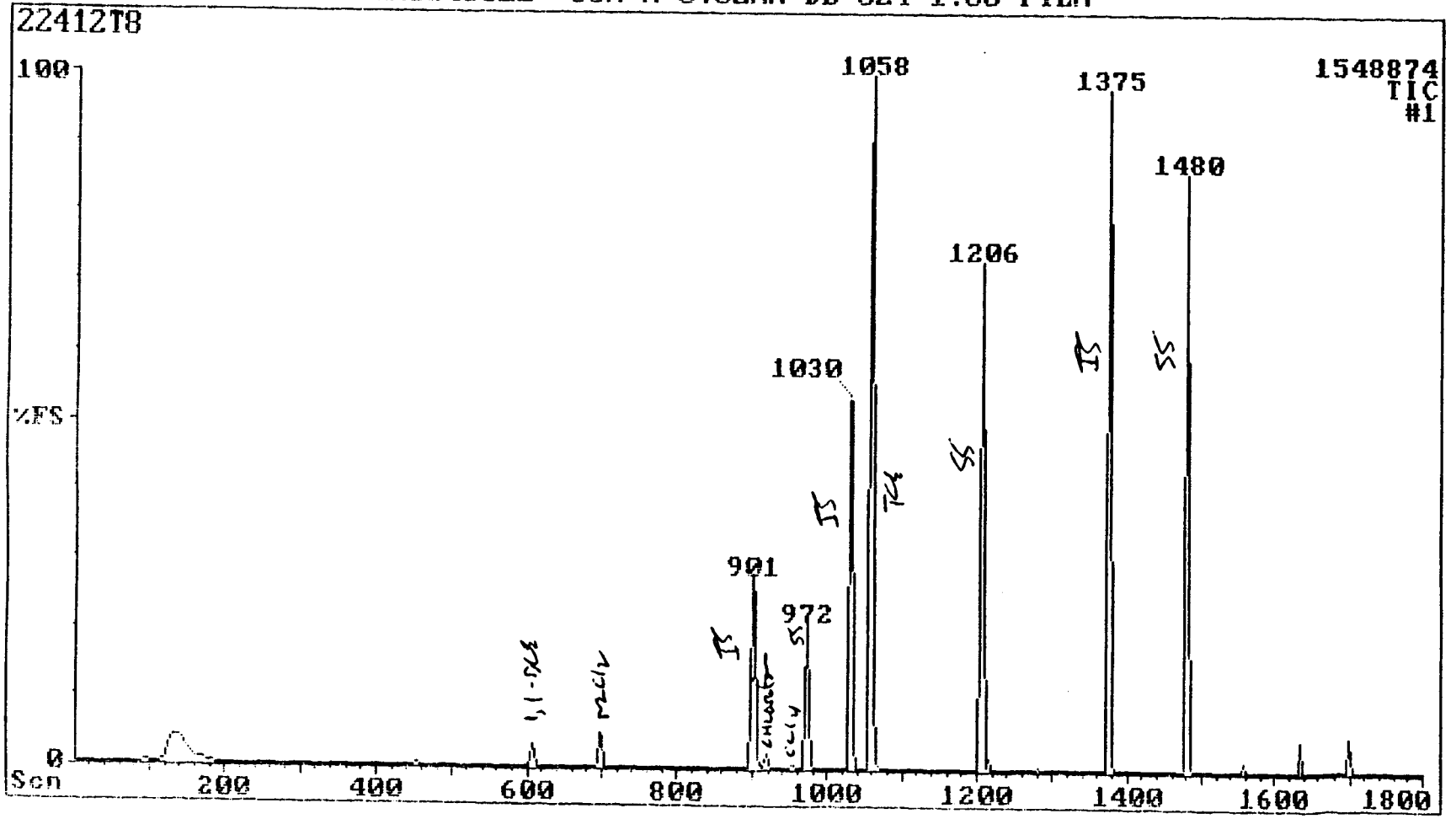
23-Sep-92 16:51 TRI01 KENNEDY/JENKS WCC5S-2 MS 5ML
DATA FILE:22412T5 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



23-Sep-92 18:06 TRI01 KENNEDY/JENKS WCC9S-2 5ML
DATA FILE:22412T7 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM

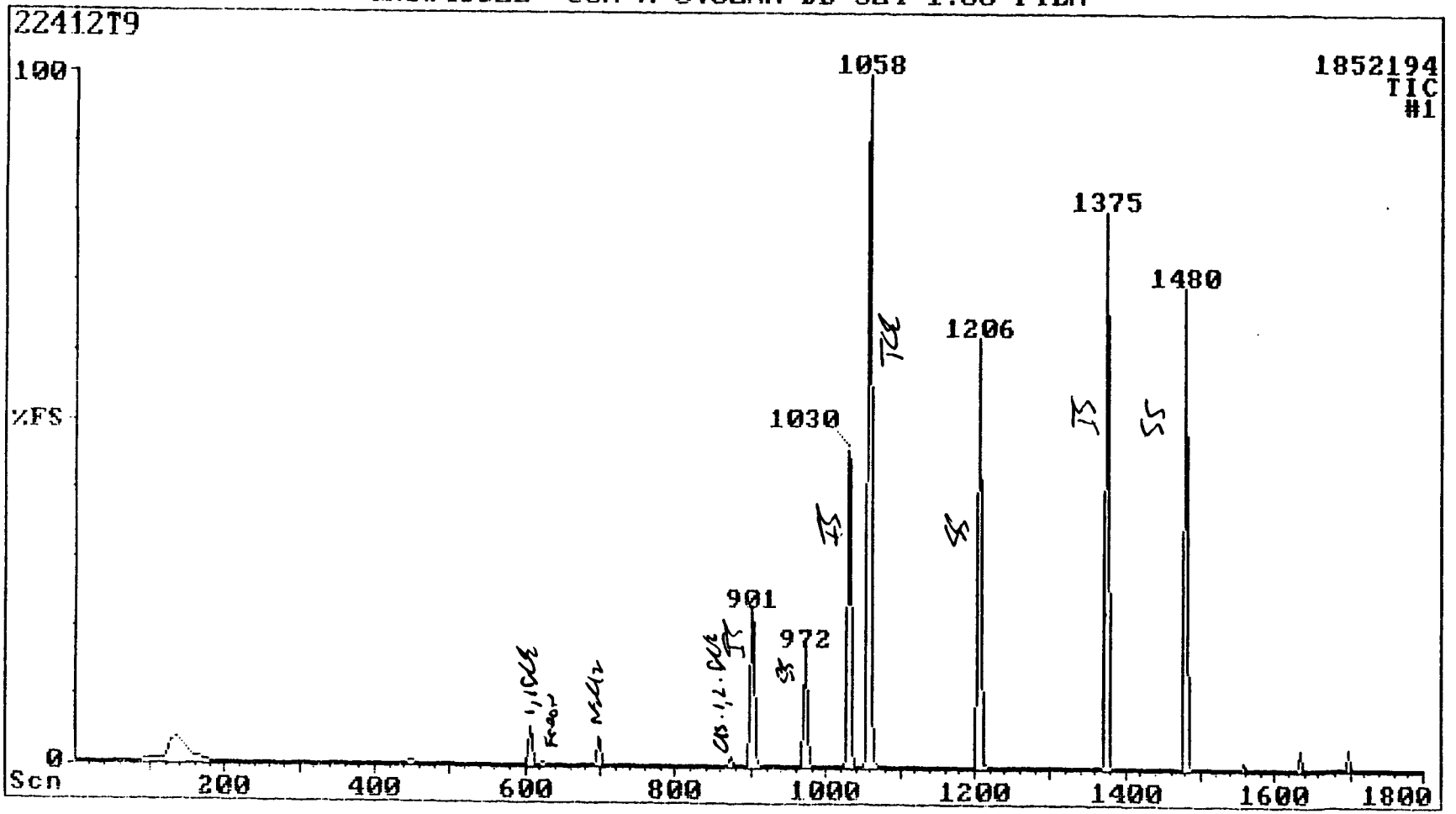


23-Sep-92 18:44 TRI01 KENNEDY/JENKS WCC10S-2 5ML
DATA FILE:22412T8 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



BOE-C6-0072350

23-Sep-92 19:22 TRI01 KENNEDY/JENKS WCC11S-2 5ML
DATA FILE:22412T9 GRS#4052E 30M X 0.32MM DB-624 1.8U FILM



BOE-C6-0072351

APPENDIX B

GROUNDWATER PURGE AND SAMPLE FORMS
WATER ELEVATION SUMMARY

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date 9-21-92

Well Number WCC-95 Well Depth (60 ft) 75 Well Diameter 4" Casing Material PVC

Sampling Crew TCD, _____, _____, _____

Type of Pump elect. sub Sampler SS Bailer

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9-21-92 1510	67.16								
			sub pump to 50' BLS						
9-21-92 1557		ON	1			25	7.4	1,350	CLOUDY
1559			5			22	7.4	1,325	"
1601			10			22	7.5	1,075	SL. CLOUDY
1604			15			22	7.5	925	"
1607			20			23	7.5	925	CLEAR
1610			25			23	7.6	925	"
1613			30			23	7.6	925	"
1615			35			23	7.6	925	"
1617			40			23	7.5	925	"
1622		OFF	45		(PULL PUMP)	23	7.5	925	"
1635				[SAMPLE	WCC95-2	/4 VIALS	/HCl]		

3 Well Volumes = 42 GALS

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

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 Date 9-21-92

Well Number WCC-105 Well Depth 90 (60-90) Well Diameter 4" Casing Material PVC

Sampling Crew TCD, MLW, ____, ____

Type of Pump SUB Sampler SS BAILER

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9/21/92 715	70.69								
1025		~~ON~~	(COLLECT	FB-092192	+ TB-092192)				
1030		ON	1	PUMP @ 80' BGS		31	6.7	890	SL CLOUDY W/SILT
1033			5	1.7		29	6.8	850	"
1037			10			25	7.0	800	"
1040			15			25	7.1	800	CLEAR
1045			20			25	7.2	825	CLEAR
1049			25			26	7.2	825	"
1053			30			26	7.2	850	"
1057			35			26	7.2	825	"
1101		OFF	40	(TOTAL ≠ BBL)		26	7.3	810	"
		- PULL PUMP -							
1120		SAMPLES		WCC105-2 / DW-092192					

3 Well Volumes = 20 x 0.65 = 13 x 3 = 39 GALS

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

TB-092192 (1)
FB-092192 (1)
WCC105-2 (4)
DW-092192 (4)

65
2
130

BOE-C6-0072354

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date 9 21 92

Well Number WCC-115 Well Depth 90 (70.10) Well Diameter 4" Casing Material PVC

Sampling Crew TCR, ____, ____, ____

Type of Pump SUB Sampler SS BAILER

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9-21-92 844	69.24								
1220		ON	0		(pump set @ 80' BLS)				
1224			1			31	7.5	1,500	CLOUDY
1223			5 (3'20")			26	7.5	1325	"
1226			10			24	7.5	1375	"
1230			15			25	7.5	1,375	"
1233			20			25	7.4	1400	"
1236			25			25	7.4	1400	SL CLOUDY
1240			30			25	7.5	1400	"
1243			35			25	7.4	1375	CLEAR
1246			40			25	7.4	1375	"
1250		OFF	45	(PULL PUMP)		25	7.4	1375	"
1305				SAMPLE	WCC115-2				

3 Well Volumes = 20 x 0.65 = 13 x 3 = 39 GALS

(WCC115-2 4 VIALS HCL)

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

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY (61-91) Date 9 21 92

Well Number WCC-55 Well Depth 91' Well Diameter 4" Casing Material PVC

Sampling Crew TCD, _____, _____, _____

Type of Pump elect. sub Sampler SS BAILER

Weather Conditions Warm 70's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9-21-92 1325	63.30								
9-21-1335			set	pump to	80' BGS				
1419		ON	1	(2'50")		31	7.5	1,800	SL CLOUDY
1423			5			25	7.2	1,625	"
1426			10			25	7.3	1,600	"
1428			15			25	7.4	1,600	"
1430			20			25	7.3	1,600	"
1432			25			25	7.3	1,625	"
1434			30			25	7.3	1,625	CLEAR
1436			35			25	7.4	1,625	"
1439		off	40	(pull pump)		25	7.3	1,625	"
1455				cont WCC55-2					

3 Well Volumes = 39 GALS

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

WCC55-2 4 VIALS, HCL

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date 9-22-92

Well Number WCC-25 Well Depth (71-91) 91 Well Diameter 4" Casing Material PVC

Sampling Crew TLD, , ,

Type of Pump elect sub Sampler S S Bailer

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
1/92 320	70.36								
2-92				(set pump to 80' BGS)					
758		ON	1			23	7.7	1125	CLOUDY
802			7			23	7.6	1175	"
804			10			23	7.5	1200	SL CLOUDY
805			15			23	7.5	1200	"
807			20			23	7.3	1225	"
810			25			23	7.2	1225	"
813			30			23	7.2	1225	CLEAR
815			35			23	7.2	1225	"
818			40			23	7.3	1250	"
821	(71.03)		45			23	7.4	1250	"
823		off	50	(PULL PUMP)		23	7.3	1250	"
830			[TB-092292 / FB-092292]						
845			[WCC25-2 (3 VIALS) + DW-092292 (3 VIALS)]						
8									

3 Well Volumes = 40 GALS

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

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date 9-22-92

Well Number WCC-3D Well Depth (120-140) 145 Well Diameter 4" Casing Material PVC

Sampling Crew TCD, , ,

Type of Pump elect Sub Sampler SS Bailer

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
92 830	~~830~~ 71.27								
2-92				set pump to 100' BGS					
925		ON	2			24	7.2	610	CLEAR
929			10			23	7.2	600	CLEAR
935			20			23	7.2	600	"
941			30			23	7.2	625	"
946			40			23	7.2	610	"
956			55			23	7.3	625	"
1001			65			23	7.2	625	"
1008			75			23	7.2	625	"
1015			85	↑		23	7.2	625	"
1022			100			23	7.2	625	"
1028			120			23	7.2	610	"
1034			130			23	7.3	610	"
1039		OFF	140	PULL PUMP		23	7.2	610	"
1100			[SAMPLE WCC3D-2/3 VIALS/HCl]						

3 Well Volumes = (140-70) x 0.65 x 3 = 135 GALS

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

70
65
350
4200
45.50

120
15

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date 9 22 92

Well Number WCC-ID Well Depth (120-140) 140 Well Diameter 4" Casing Material AC

Sampling Crew TCD, ____, ____, ____

Type of Pump Elect 800 Sampler SS Bailer

Weather Conditions Clear 90°

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
92 9 00	70 76								
2 92 ~~1415~~				(Set pump to 130 ft BGS)		DELAY	DUE	TO	ELECT PROBLEM.
1415		ON	1			32	6.3	780	SL CLOUDY
1418			10			25	6.9	700	"
1421			20			25	7.1	700	"
1428			40			25	7.3	700	"
1432			55			24	7.2	675	"
1435			75			24	7.2	675	"
1439			95			24	7.2	675	CLEAR
1443			110			24	7.3	675	"
1445			120			24	7.2	675	"
1447			130			24	7.3	675	"
1449		OFF	140	(PULL PUMP)		24	7.3	675	"
1510				SAMPLE WCC ID-2 / 4 VIALS / HCl					

3 Well Volumes = 135 gals

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

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date 9 22 92

Well Number WCC-125 Well Depth (70-90) 90 Well Diameter 4" Casing Material PVC

Sampling Crew TCD, , ,

Type of Pump elect sub Sampler SS Bailer

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9-22 1416	67.31								
9-22 1530				set pump to 30' BGS					
1547		ON	1			28	7.2	1200	CLOUDY
1549			5			26	7.2	1500	"
1551			10			24	7.2	1125	"
1553			15			24	7.2	1000	"
1557			20			24	7.2	1000	"
1600			25			24	7.1	1000	"
1603			30			24	7.2	1010	SL CLOUDY
1606			35			24	7.1	1025	"
1609			40			24	7.1	1025	CLEAR
1612		OFF	45	PULL PUMP					
1430				SAMPLE WCC125-2/4 VIALS/HCL					

3 Well Volumes = 45 gals

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

90
67
23

23
.65
115
1380
14.95

15 x 3 = 45

GROUNDWATER SAMPLING RECORD

Facility Name: DAC C-6 FACILITY Date: 9-23-92

Well Number: WCC-75 Well Depth: 90 (60-90) Well Diameter: 4" Casing Material: PVC

Sampling Crew: TCD, ____, ____, ____

Type of Pump: elect sub Sampler: SS Bailer

Weather Conditions: Clear

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9-21-92 910	68.44								
9-22 635			set pump		to 88 ft BTS				
658		ON	1			23	6.9	925	SL CLOUDY
700			5			23	7.0	975	"
703			10			23	7.1	850	CLEAR
705			15			23	7.1	810	"
708			20			23	7.1	800	"
711			25			22	7.1	800	"
714			30			23	7.1	810	"
717			35			23	7.2	800	"
719			40			23	7.1	810	"
722		OFF	45	- PULL PUMP -		23	7.1	810	"
740				SAMPLE WCC75-2 / 3 VIALS / HCl					
				TB-092392 / 1 VIAL / HCl					

3 Well Volumes = 45 GALS

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

GROUNDWATER SAMPLING RECORD

Facility Name: IAC C-6 FACILITY Date: 9-23-92

Well Number: WCC-45 Well Depth: 91 (71-91) Well Diameter: 4 Casing Material: PVC

Sampling Crew: TCD, ____, ____, ____

Type of Pump: Elect Sub Sampler: SS Bailer

Weather Conditions: Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9-22 905	69.73								
9-23 1500				Set pump	to 80 ft	18.5			
817		ON	1			26	7.1	1250	CLOUDY
819			5			23	7.2	1250	"
822			10			23	7.2	1250	CLEAR
824			15			23	7.2	1250	"
826			20			23	7.2	1250	"
828			25			23	7.1	1250	"
830			30			23	7.2	1275	"
832			35			23	7.2	1275	"
834			40			23	7.1	1275	"
836		OFF	45	(pull pump)		23	7.1	1275	"
0850				SAMPLE	WCC45	-2/4 VIALS/HCl			

3 Well Volumes = 45

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

65
13.0 x 3 = 39

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date 9 23 92

Well Number WCC-85 Well Depth (60-90) 90 Well Diameter 4 Casing Material PVC

Sampling Crew TCD, , ,

Type of Pump elect sub Sampler SS Bailer

Weather Conditions Clear 90's

	Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9-92	350	70.33								
9-92	906				Set pump to 50 AT 6GPS					
	922		on	1			24	7.1	1575	CLOUDY
	925			5			24	7.1	1475	"
	928			10			23	7.1	1425	CLEAR
	930			15			23	7.0	1425	"
	933			20			23	7.1	1425	"
	935			25			23	7.1	1400	"
	938			30			23	7.1	1400	"
	941			35			23	7.1	1425	"
	943			40			23	7.1	1400	"
	946		off	45	PULL PUMP		23	7.1	1400	"
	955				SAMPLE WCC85-2/3 VIALS/HCl					

3 Well Volumes = 45 GALS

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

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date 9 23 92

Well Number DAC-P2 Well Depth 95' Well Diameter 4" Casing Material PVC

Sampling Crew TCD , , ,

Type of Pump Elect Sub Sampler SS Bailer

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
9/23/92 220	71.02								
9/23/92 1015				set pump to 80' BGS			7.1	1600	~~CLOUDY, SLIGHTLY GREEN~~
~~1025~~	1042	ON	1			31	7.1	1600	CLOUDY, SLIGHTLY GREEN
1045			5			26	7.2	1475	" "
1049			10			23	7.1	1425	" "
1053			15			23	7.1	1475	SLIGHTLY CLOUDY
1059			20			23	7.1	1450	"
1104			25			23	7.1	1475	"
1110			30			23	7.1	1500	"
1120			35			23	7.1	1500	CLEAR
1125			40			23	7.1	1500	"
1129	76.6	OFF	45	PULL	PUMP	23	7.1	1510	"
1135			(FB-092392 / 1 VIAL / HCl)						
1150			SAMPLE	DACP1-2 / 3 VIALS / HCl					
				DW-092392 / 3 VIALS / HCl					

3 Well Volumes = 45 GALS

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

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date _____

Well Number WCC-65 Well Depth 90 (60-90) Well Diameter 4 Casing Material PVC

Sampling Crew TCD, _____, _____, _____

Type of Pump Elect SUB Sampler SS Bailer

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
935	7.10								
1230				— set pump to 80' BGS —					
1247		ON	1			38	7.1	1675	CLOUDY
1250			5			28	7.0	1400	"
1252			10			23	7.0	1375	"
1254			15			23	6.9	1375	SL CLOUDY
1256			20			23	6.9	1325	CLEAR
1259			25			23	6.9	1300	"
1301			30			23	6.9	1300	"
1303			35			23	6.9	1300	"
1305			40			23	6.9	1275	"
1307		OFF	45	— PULL	PUMP —	23	6.9	1275	"
1325				SAMPLE	WCC65-2/3 VIALS/HCl				

3 Well Volumes = 45 gals

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

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date _____

Well Number WCC-35 Well Depth 67.59 (89) Well Diameter 4" Casing Material PVC

Sampling Crew TCD, _____, _____, _____

Type of Pump elect sub Sampler SS Bailer

Weather Conditions Clear 90's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
1335	71.09								
1340				— set pump to 80' BGS —					
1345		ON	1			31	6.7	2825	SOLVENT ODOR SL. CLOUDY
1351			5			27	6.6	2010	STRONG SOLVENT ODOR
1353			10			23	6.7	1900	CLEAR ODOR "
1355			15			23	6.7	2000	"
1358			20			23	6.7	1950	"
1400			25			23	6.7	1900	"
1402			30			24	6.7	1900	"
1405			35			23	6.7	1900	"
1407			40			23	6.8	1910	"
1409		OFF	45	— PULL	PUMP —	23	6.8	1900	
1425				SAMPLE	WCC35-2/3 VIALS/HCl				

3 Well Volumes = 45 GALS

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

916-369-8171

GROUNDWATER SAMPLING RECORD

Facility Name DAC C-6 FACILITY Date _____

Well Number WCC-15 Well Depth 89 (79-89) Well Diameter 2" Casing Material PVC

Sampling Crew TCD, _____, _____, _____

Type of Pump SS Bailer #1 Sampler SS Bailer #2

Weather Conditions Clear 70's

Time	Water Level	Pump	Volume Pumped (gal)	Pumping Rate (gpm)	Sample Collection	Temp (°C)	pH	Cond (uS)	Clarity
1355	70.27								
1448			14	START BAIL		24	7.2	1400	CLEAR
1455			1			23	7.3	2250	CLOUDY-SILTY
1455			2.5			23	7.2	2250	"
1513			5			23	7.2	1375	"
1523			7.5			23	7.3	1350	"
1533			10			23	7.3	1350	"
1535				SAMPLE	WCC15-2/3 VIALS/HCl				

3 Well Volumes = 10 gals

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

70
.16
3.2 GAS x3 ~ 9.6 gals

70
.16
3.20

10
10

APPENDIX C

CHAIN-OF-CUSTODY RECORDS

CHAIN OF CUSTODY RECORD

Client Name: ~~DOUGLAS AIRCRAFT COMPANY~~ KENNEDY/JENKS CONSULTANTS

Phone No. 714-261-1577

Fax No. 714-261-434

Proj. No. 924010.00

Technical Contract: THOMAS DEANE

Proj. Name C-6 FACILITY

WEST COAST ANALYTICAL SERVICE, Inc.
9840 Alburtis Avenue
Santa Fe Springs, CA 90670
Phone: 213/948-2225 FAX: 213/948-5850

JOB NO. ~~924010.00~~ #22412

	Sample No.	Sample Description/Remarks	624	8240											
✓	TB-092	1025 hrs / 1 VIAL / HCl	X												
✓	FB-09	1025 hrs / 1 VIAL / HCl	X												
✓	WCC105-2	1120 hrs / 4 VIALS / HCl		X											
✓	WCC115-2	1305 hrs / 4 VIALS / HCl		X											
✓	WCC55-2	1455 hrs / 4 VIALS / HCl		X											
✓	WCC95-2	1635 hrs / 4 VIALS / HCl		X											
✓	DW-092192	DUPLICATE ~~DW-092192~~ / 4 VIALS / HCl		X											

Analyses Requested

Date Sampled 9-21-92 **Conditions of Samples** good

Total No. of Containers . . .

Relinquished by: (Company & Signature)	Received for Lab by:	Date / Time
K/J CONSULTANTS / [signature]	[signature]	9-21-92 5:30pm

White Copy: Job Envelope Yellow Copy: Return with Lab Results Pink Copy: Client at time of sample delivery

CHAIN OF CUSTODY RECORD

Client Name: KENNEDY/JENKS CONSULTANTS
17310 RED HILL AVE, STE 220
IRVINE, CALIF 92714

Phone No. 714-261-1577
Fax No. 714-261-2134
Proj. No. 924010.00
Proj. Name DOUGLAS AIRCRAFT C-6 FACILITY

Technical Contract:

WEST COAST ANALYTICAL SERVICE, Inc.
9840 Alburtis Avenue
Santa Fe Springs, CA 90670
Phone: 213/948-2225 FAX: 213/948-5850
(310) (310)
JOB NO. #22423

Sample No.	Sample Description/Remarks	624	8240
TB-092292	0830 hrs / 1 VIAL / HCl	X	
FB-092292	0830 hrs / 1 VIAL / HCl	X	
WCC25-2	0845 hrs / 3 VIALS / HCl		X
WCC30-2	1100 hrs / 3 VIALS / HCl		X
WCC10-2	1510 hrs / 3 VIALS / HCl		X
WCC125-2	1630 hrs / 3 VIALS / HCl		X
DW-092292	— / 3 VIALS / HCl		X

Date Sampled 9-22-92 Conditions of Samples good

Total No. of Containers . . . 17

Relinquished by: (Company & Signature)	Received for Lab by:	Date / Time
KENNEDY/JENKS	WCAS	9-22-92 5:40 pm

White Copy: Job Envelope Yellow Copy: Return with Lab Results Pink Copy: Client at time of sample delivery

CHAIN OF CUSTODY RECORD

Client Name: KENNEDY/JENKS CONSULTANTS
DOUGLAS AIRCRAFT C-6 FACILITY

Phone No. 714 261 1577
Fax No. 714 261 2634
Proj. No. 924010.00

Technical Contract:

Proj. Name

WEST COAST ANALYTICAL SERVICE, Inc.
9840 Alburtis Avenue
Santa Fe Springs, CA 90670
Phone: 213/948-2225 FAX: 213/948-5850
(310) **JOB NO.** #22433 (310)

Sample No.	Sample Description/Remarks	624	8240
TB-092392	0740 hrs / 1 VIAL / HCl	X	
WCC7S-2	0740 hrs / 3 VIALS / HCl		X
WCC4S-2	0850 hrs / 3 VIALS / HCl		X
WCC8S-2	0955 hrs / 3 VIALS / HCl		X
FB-092392	1135 hrs / 1 VIAL / HCl	X	
DACP1-2	1150 hrs / 3 VIALS / HCl		X
WCC6S-2	1325 hrs / 3 VIALS / HCl		X
WCC3S-2	1425 hrs / 3 VIALS / HCl		X
WCC1S-2	1535 hrs / 3 VIALS / HCl		X
DW-092392	3 VIALS / HCl		X

Analyses Requested

Date Sampled 9-23-92 Conditions of Samples good

Total No. of Containers . . .

Relinquished by: (Company & Signature)	Received for Lab by:	Date / Time
KENNEDY/JENKS	J Hackwell	9-23-92 4:50pm

White Copy: Job Envelope Yellow Copy: Return with Lab Results Pink Copy: Client at time of sample delivery