REPORT ON
GROUNDWATER MONITORING – ANNUAL EVENT
MARCH 2002
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

by

Haley & Aldrich, Inc.
San Diego, California

for

Boeing Realty Corporation
Long Beach, California

File No. 29125-002
June, 24 2002

REPORT ON GROUNDWATER MONITORING
ANNUNAL EVENT - MARCH 2002

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Prepared for

BOEING REALTY CORPORATION
5760 KILROY AIRPORT WAY, SUITE 500
LONG BEACH, CALIFORNIA 90806

June 24, 2002

Prepared by

HALEY & ALDRICH, INC.
9040 Friars Road, Suite 220
San Diego, California 92108
(619) 280-9210

Richard M. Farson, P.E.
Senior Engineer

Scott P. Zachary
Project Manager

REGISTERED PROFESSIONAL ENGINEER
RICHARD M. FARSON
47269
EXPIRES 6/30/03
CIVIL
STATE OF CALIFORNIA

TABLE OF CONTENTS

		Page
LIST OF TABLES		**ii**
LIST OF FIGURES		**ii**
I.	**INTRODUCTION**	**1**
II.	**SITE BACKGROUND**	**1**
2.01	Site Location	1
2.02	Site History	1
2.03	Regional Geology and Hydrogeology	2
2.04	Site Geology and Hydrogeology	3
	A. Site Geology	3
	B. Site Hydrogeology	3
III.	**GROUNDWATER SAMPLING PROCEDURES**	**4**
3.01	Monitoring Plans	4
3.02	Field Procedures	5
3.03	Sample Naming	5
IV.	**MONITORING AND SAMPLING RESULTS**	**6**
4.01	Groundwater Elevations	6
4.02	Groundwater Quality	6
V.	**QUALITY ASSURANCE/QUALITY CONTROL**	**8**
5.01	Field Quality Control Samples	8
	A. Field Duplicates	8
	B. Equipment Rinsate Blanks	9
	C. Trip Blanks	9
	D. Laboratory QA/QC Samples	9
VI.	**CONCLUSIONS**	**9**
REFERENCES		**10**

TABLES
FIGURES
APPENDIX A – Field Data
APPENDIX B – Analytical Reports and Chain-of-Custody Records (STL Los Angeles) Electronic Format on Compact Disc
APPENDIX C – Data Validation
APPENDIX D – Limitations

BOE-C6-0002913

APPENDIX E – Database Transmittal Letter

LIST OF TABLES

Table No.	Title
1	Well Information
2	Groundwater Elevations – March 2002
3	Historic Groundwater Elevations
4	Volatile Organic Compounds by EPA 8260B – March 2002
5	Summary of Historic Volatile Organic Compounds
6	Natural Attenuation Parameters – March 2002

LIST OF FIGURES

Figure No.	Title
1	Site Location Map
2	Site Plan Showing Groundwater Monitoring Well Sample Locations – March 2002
3	Groundwater Elevation Map – March 2002
4	Groundwater Elevation Hydrographs
5	TCE Distribution in Groundwater – March 2002
6	TCE Concentration vs. Time
7	1,1-DCE Distribution in Groundwater – March 2002
8	1,1-DCE Concentration vs. Time

BOE-C6-0002914

I. INTRODUCTION

Haley & Aldrich, Inc. (H&A) has prepared this report on behalf of Boeing Realty Corporation (BRC) to document the Groundwater Monitoring Annual Event (2002 Annual event) conducted at the BRC former C-6 Facility in Los Angeles, California (Site).

The 2002 Annual event at the Site was conducted from March 21 to 26, 2002. The program included the following activities:

- Measuring groundwater elevations in 30 wells.
- Sampling of groundwater from 30 wells and subsequent analysis for volatile organic compounds (VOCs) by US Environmental Protection Agency (EPA) Method 8260B.
- Field bioattenuation measurements in six wells for dissolved oxygen (DO) and oxidation-reduction potential (ORP).

This report provides documentation and discussion of the 2002 Annual event.

II. SITE BACKGROUND

2.01 Site Location

The Site is at 19503 South Normandie Avenue in Los Angeles, California in an area located between the cities of Torrance to the west and Carson to the east. A Site location map is included as Figure 1 and a Site plan map as Figure 2. The Site occupies approximately 159 acres.

The Site is bounded to the north by 190th Street; to the east by Normandie Avenue; to the west by the former Industrial Light Metals (ILM) facility; and to the south by the former Montrose facility and a residential area.

2.02 Site History

For 40 years (1952-1992) the Site had reportedly been used for the manufacturing of aircraft and aircraft parts. Prior to 1952, industrial uses of the Site included aluminum and steel production, and before 1940 the Site was reportedly farmland. A limited amount of assembly and activities related to warehousing continued through mid-2000. Currently the Site is demolished and various stages of redevelopment activities are underway.

Groundwater investigation activities at the Site began in 1987. Since then, a total of 40 groundwater monitoring wells have been installed at the Site. Prefixes of Site groundwater monitoring wells include BL, DAC, WCC, TMW and XMW. Thirteen of the 40 wells have been removed as a result of redevelopment activities. Table 1 is a compilation of the groundwater monitoring well details.

BOE-C6-0002915

2.03 Regional Geology and Hydrogeology

The description of the geology and hydrogeology of the region surrounding the Site is drawn from reports published by the U.S. Geological Survey (USGS) (Poland and others, 1959) and the California Department of Water Resources (DWR, 1961). Reference is also made to previous reports prepared by Kennedy/Jenks Consultants for the Site.

The Site is located on a broad plain at an elevation of about 52 feet above mean sea level (MSL). The DWR and USGS define this area as the Torrance Plain, a Pleistocene-age marine surface and subdivision of the West Coast Basin/Coastal Plain of Los Angeles and Orange Counties. The ground surface in this area is generally flat with an eastward gradient of approximately 20 feet per mile (less than one-half percent). Surface drainage is generally toward the Dominguez Channel, approximately a mile to the east. The Dominguez Channel, in turn, flows southeastward toward the Los Angeles and Long Beach Harbors in San Pedro Bay.

The West Coast Basin includes a thick sequence (up to 13,000 feet) of marine and continental sediments (Miocene to Recent) deposited in a broad synclinal depression over a basement complex of igneous and metamorphic rocks. The uppermost sequence of deposits of interest within the West Coast Basin is as follows:

Youngest	Active Dune Sand
↑	Alluvium
	Older Dune Sand
↓	Lakewood Formation (upper Pleistocene)
Oldest	San Pedro Formation (lower Pleistocene)

The dune sands and alluvium are not present at the Site. The Lakewood Formation is mapped at the surface in the Site vicinity.

The Lakewood Formation (DWR, 1961), includes all of the upper Pleistocene deposits in the sediments in the Los Angeles Coastal Plain area. The deposits are of both marine and continental origin, representing stream transport and sedimentation along the Pleistocene marine plain. In the Site area, the Lakewood Formation may include the Semi-perched aquifer, the Bellflower Aquiclude, and the Gage Aquifer. The Semi-perched aquifer includes deposits described as Terrace Cover (Poland and others, 1959). Based on correlations of Site stratagraphic data to data from adjacent sites, it appears that the Semi-perched aquifer is absent at the Site. The Bellflower Aquiclude is a heterogeneous mixture of continental, marine, and wind-blown sediments, mainly consisting of clays with sandy and gravely lenses (DWR, 1961). The base of the Bellflower Aquiclude is about -100 feet above mean sea level (MSL) or about 150 feet below ground surface (bgs) in the Site area. The Gage Aquifer is a water-bearing zone of fine to medium sand and gravel confined by the Bellflower Aquiclude. It is reported to be approximately 40 feet thick in the Site area.

The Lakewood Formation is underlain by the Lower Pleistocene San Pedro Formation, which continues to approximately 1,000 feet bgs in the Site area. Major water-bearing zones within the San Pedro Formation are the Lynwood Aquifer and the Silverado Aquifer. These are reported to occur at approximately 300 and 500 feet bgs, respectively, in the Site area (DWR,

BOE-C6-0002916

1961). The Silverado Aquifer is an important groundwater source in the Coastal Plain and is considered a source of drinking water (DWR, 1961).

2.04 Site Geology and Hydrogeology

A. Site Geology

Groundwater monitoring wells and soil borings drilled at the Site have encountered the Lakewood Formation. Monitoring wells extend to approximately 90 and 140 feet bgs. The top 20 to 50 feet below the Site are mainly fine-grained soils (predominantly silts and clays) that become thicker to the east. A sandy zone that dips downward to the east underlies the fine-grained soils. The sandy zone is generally 80 to 100 feet thick and contains layers of fine-grained sediment that also dip down to the east.

B. Site Hydrogeology

Groundwater samples from monitoring wells at the Site have been collected and analyzed on a regular basis since 1987. The uppermost groundwater at the Site appears to be under water table conditions at elevations of –12 to –15 feet msl (60 to 70 feet bgs). Regionally, this upper most groundwater appears to be within relatively permeable sediments of the Bellflower Aquiclude. Most of the monitoring wells are completed at or near the water table, at depths of approximately 55 to 90 feet. Two deeper wells, WCC-1D and WCC-3D, were completed in a deeper zone at approximately 115 to 140 feet bgs. Both of these wells have since been abandoned (Table 1).

The following primary hydrogeologic units are recognized in the general vicinity of the Site:

FORMATION	HYDROSTRATIGRAPHIC UNIT	
Lakewood Formation (Upper Pleistocene)	Bellflower Aquitard	Upper Bellflower Aquitard (UBF)
		Middle Bellflower Aquitard (MBF, MBFM, MBFC, MBFB/C)
		Lower Bellflower Aquitard (LBF)
	Gage Aquifer (GAGE)	
San Pedro (Lower Pleistocene)	Gage Lynwood Aquifer (GLA)	
	Lynwood Aquifer (LYNWOOD)	
	Unnamed Aquifer	
	Silverado Aquifer	

The relatively fine-grained Upper Bellflower Aquitard (UBF) is continuous across the area, but thins to the northwest. The UBF is comprised of laminated to massive yellowish brown muds with local sands and fossiliferous zones. The UBF is found at the surface beneath the Site and is approximately 25 feet thick.

The Middle Bellflower Aquitard (MBF) is a massive, light yellowish brown, fine to medium sand with local muddy zones. An extensive mud layer referred to as the Middle Bellflower Mud (MBFM) locally interrupts this sand. Where divided, the sand subunits are referred to as the B-Sand (MBFB) and C-Sand (MBFC). The MBFM is discontinuous across the area and is comprised of laminated silts and layered silts and very fine sands. Deeper borings at the former

BOE-C6-0002917

ILM facility and the Site do not always encounter the MBFM. The MBFB is found at an approximate elevation of 27 feet msl (25 feet bgs) at the Site and is generally from 25 feet to 40 feet thick. The MBFC is found at an approximate elevation of –23 to –38 feet msl (75 to 90 feet bgs) at the Site.

The fine-grained Lower Bellflower Aquitard (LBF) is reported to be continuous across the area. It occurs at an approximate elevation of –58 to –68 feet msl (110 to 120 feet bgs) and ranges in thickness from 10 to 25 feet thick. The LBF separates the Bellflower sands from the underlying Gage Aquifer. The Gage Aquifer in the Site vicinity is predominantly sand and ranges in thickness from 40 to 78 feet. No monitoring wells have been drilled into the Gage Aquifer at the Site.

III. GROUNDWATER SAMPLING PROCEDURES

3.01 Monitoring Plans

The 2002 Annual event at the Site was conducted from March 21 to 26, 2002, by Tait Environmental Management, Inc. (TEM) field personnel. Work was conducted in accordance with the following documents:

- *Groundwater Monitoring Workplan* 2002 by Haley & Aldrich, Inc., dated December 20, 2001, approved by the Los Angeles Regional Water Quality Control Board (LARWQCB) on January 25, 2002.
- *Groundwater Monitoring Services Standard Operating Procedures, Boeing Realty Corporation, Former C-6 Facility*, prepared by Tait Environmental Management, dated January 11, 2001.

Natural attenuation sampling was conducted according to:

- *Standard Operating Procedures for Measuring Natural attenuation Parameters at Boeing Realty Corporation Former C-6 Facility, Revision 1.0*, prepared by Haley & Aldrich, Inc. and England Geosystem Inc., dated January 9, 2001.

The following summarizes the activities performed during the Annual Groundwater Monitoring and Sampling event.

BOE-C6-0002918

- **Groundwater Elevation Measurement**

  - Water levels were measured in 30 Site groundwater wells on March 21, 2002 (Table 2).
  - A groundwater contour map was generated based on the measured groundwater elevations.

- **Well Purging, Sampling and Analysis**

  - At least 3 wetted casing volumes of water were purged with a submersible pump from each well.
  - Groundwater samples were collected with a pump from 30 wells and analyzed for VOCs by EPA Method 8260B.

- **Field Bioattenuation Monitoring**

  - Field bioattenuation monitoring was conducted in six wells by measuring for DO, ORP, temperature, pH, and conductivity.

3.02 Field Procedures

Field procedures for this sampling event are outlined in the documents listed previously in Section 3.01.

3.03 Sample Naming

Groundwater samples were labeled in the following format in accordance with the Groundwater Monitoring Workplan 2002 (Haley & Aldrich, Inc., 2001):

TMW_16_032102_1020

Where:

TMW_16 indicates the groundwater monitoring well number
032102 = date the sample was collected (mmddyy)
1020 = time the sample was collected

BOE-C6-0002919

IV. MONITORING AND SAMPLING RESULTS

4.01 Groundwater Elevations

Field sheets for the data collected by TEM are included in Appendix A and a summary of the groundwater elevations for the 2002 Annual event is present in Table 2.

During the 2002 Annual event, groundwater elevations at the Site were generally -12 to -15 feet msl, or approximately 60 to 70 feet bgs. The groundwater elevations measured during this event are included in Table 2. Due to Site redevelopment activities, the wells were re-surveyed by a registered land surveyor prior to this sampling event; therefore, the groundwater measurement reference elevations have changed from previous values (up to 6.5 feet above msl). Groundwater elevations have changed approximately 0.5 to 1.5 feet higher compared to the values measured in January/February 2001, except well TMW-4 (decreased approximately 1.4 feet).

Figure 3 is a groundwater elevation contour map of the MBFB (B-Sand) water-bearing zone generated using the data collected during the 2002 Annual event. The hydraulic gradient in the MBFB was measured to be approximately 0.0015 ft/ft to the south and is similar to the gradient of 0.0013 ft/ft to the south measured in July 1999. As shown on Figure 3, the groundwater flows to the south and converges in the western portion of the Site, along Harborgate Way.

Historic groundwater levels are presented in Table 3 and hydrographs for the wells are included as Figures 4a through 4i. The low gradient is demonstrated in the hydrographs by the extremely close proximity of the hydrographs from individual wells.

4.02 Groundwater Quality

<u>VOC Results</u>

Results of VOC analysis by EPA 8260B for the 2002 Annual event conducted in March 2002 are summarized in Table 4. Based on visual observations, there were no indications of dense non-aqueous phase liquid (DNAPL) in any of the sampled wells. General plume geometries for trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE), tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), and chloroform (CF) appear to be generally unchanged from the previous four sampling events (July 1999, June 2000, January 2001 and June 2001).

Figure 5 shows the dissolved-phase TCE concentrations in the MBFB. TCE concentrations in groundwater samples have decreased or minimally increased (less than 20%) in 26 of the 30 wells. However, TCE concentrations notably increased in samples from four of the 30 wells: DAC-P1 (from 10,000 to 17,000 µg/l), WCC-3S (from 140 to 1,400 µg/l), TMW-6 (from 55 to 160 µg/l), and TMW-8 (from 2,500 to 3,600 µg/l). Noteworthy decreases (greater than 20% variation from the previous sampling event) in TCE concentrations were observed in samples collected from TMW-2 (from 20,000 to 11,000 µg/l) and TMW-3 (from 8,800 to 4,000 µg/l). TCE concentrations in samples from TMW-2 and TMW-3 located near the postulated VOC source area have declined significantly (82% and 55%, respectively) since the previous monitoring event. Concentration vs. time graphs for TCE are included as Figures 6a through 6g.

BOE-C6-0002920

Figure 7 shows the dissolved-phase 1,1-DCE concentrations in the MBFB. 1,1-DCE concentrations in groundwater samples have generally decreased or stayed the same in all of the wells, except two: TMW-8 (from 2,200 to 3,100 µg/l and WCC-6S (from 5,026 to 10,000 µg/l). Noteworthy decreases (greater than 20% variation from the previous sampling event) in 1,1-DCE concentrations were observed in samples collected from TMW-2, TMW-3, TMW-1, TMW-5 and WCC-3S. 1,1-DCE continues to remain not detected at TMW-10, TMW-11, TMW-1, BL-3, DAC-P1, WCC-9S, XMW-9 and XMW-18. Concentration vs. time graphs for 1,1-DCE are included as Figures 8a through 8g.

PCE concentrations in groundwater samples have continued to be generally minimal or not detected. Ten of the samples were reported to have detectable concentration of PCE. Three of the ten samples were reported to have concentrations less than 6 µg/l. Five of the ten samples were detected at low levels that could not be qualified by the laboratory (<2 µg/l) and are noted in Table 4 with a "J" flag. The two additional samples that were reported to contain detectable concentrations of PCE were BL-03 (22 µg/l) and XMW-09 (55 µg/l), which were reported to have lower PCE concentrations than the previous sampling event.

1,1,1-TCA concentrations in groundwater samples have decreased or stayed the same in the wells where it was detected, except in well WCC-6S. WCC-6S was reported to have an increased concentration of 780 µg/l from 540 µg/l.

As in previous sampling events, some minor occurrences of VOCs, other then the primary chemicals of concern described above, were detected and are tabulated on Table 4. These occurrences included:

- Chloroform concentrations in groundwater samples, where they have been measured above the detection limit, have generally remained the same or decreased in the TMW series of wells. Within the WCC series, where the concentrations have been reported above the detection limits, chloroform has decreased except in wells WCC-6S and WCC-9S. Chloroform increased from 14 µg/l to 40J µg/l in samples from WCC-6S and from 6.8 µg/l to 24 µg/l in samples from WCC-7S.

- Benzene concentrations in groundwater samples have generally remained the same or decreased in the three wells where it was detected: WCC-3S (from 410 µg/l to below laboratory detection limits), WCC-6S (from 27 to 68J µg/l), and TMW-8 (from 13 to 17J µg/l).

- Methyl ethyl ketone (MEK) (2-butanone) was not detected in any of the wells during this sampling event. In well TMW-2, MEK (2-butanone) decreased from 75,000 µg/l in July 2001 to below laboratory detection limits (<1,200 µg/l) in March 2002.

- Toluene concentrations remained high in three wells: WCC-3S (decreased from 75,000 to 43,000 µg/l); WCC-6S (increased from 350 to 2,500 µg/l); and

BOE-C6-0002921

TMW-2 (decreased from 2,800 to 1,700 µg/l). Low concentrations of toluene were measured consistently (0.42J µg/l to 17J µg/l) in samples from 14 wells.

Field Bioattenuation Parameters

During the monitoring and sampling event, field monitoring of DO, ORP, temperature, conductivity and pH was conducted. A summary of current field bioattenuation parameters is included on the Field Data Sheets in Appendix A and in Table 6. These parameters are similar to the January/February 2001 annual sampling event data and suggest the in-situ conditions have not changed. The distribution of DO and ORP suggest evidence of intrinsic attenuation in the potential source area near former Buildings 1, 2 and 36, and along the southern property boundary. DO has been depleted within the areas of the TCE- and 1,1-DCE-impacted groundwater. ORP is negative within the same areas indicating anaerobic reducing conditions.

V. QUALITY ASSURANCE/QUALITY CONTROL

5.01 Field Quality Control Samples

A. Field Duplicates

Duplicate groundwater samples were analyzed for VOC concentrations from wells WCC-11S and TMW-4. These results are included in Table 4. Laboratory duplicate data can be used to measure how well replicate measurements reproduce and estimate overall method precision. Relative percent difference (RPD) is a measure of precision and is calculated as follows:

$$(\text{Result 1} - \text{Result 2}) / \tfrac{1}{2} (\text{Result 1} + \text{Result 2}) * 100\%$$

Often the RPD will vary with the concentration of analyte, RPD lessening as the concentration increases. If the variation is greater than plus or minus 15% but less than 100%, the reported concentrations are up to standard. If the variation is greater than 100%, the data is subject to further evaluation (i.e., comparison with historic data from the well).

After reviewing the data from the TMW-4 duplicate (validated), there is one analyte that has an RPD value greater than 15%: 1,2-dichloroethane (1,2-DCA) has an RPD of 200%. The RPD for all other detected constituents is 15% or less. There is one analyte from the WCC-11S duplicate (not validated) that has an RPD value greater than 15%: toluene with an RPD of 33%. The RPD for all other detected constituents is less than 15%.

Since well TMW-4 had an RPD greater than 100%, historical groundwater monitoring data was reviewed to evaluate the consistency of the data. Based on the previous 1,2-DCA data from well TMW-4 (7.1 µg/l in July 2001), the most recent result (10 µg/l in March 2002) appears to be consistent. Based on the data validation and the RPD calculations for duplicates, the field duplicate data appears to be consistent with previous sampling events and is acceptable for use in this report.

BOE-C6-0002922

B. Equipment Rinsate Blanks

One equipment rinsate blank was collected each day after the sampling equipment was cleaned with deionized water. The rinsate samples were analyzed for VOCs by EPA Method 8260B. An acetone concentration of 14 µg/l was detected in the equipment rinsate blank collected on March 21, 2002 as shown on Table 4.

C. Trip Blanks

One laboratory-prepared trip blank was shipped to the laboratory each day to check for cross-contamination. The samples were analyzed for VOCs by EPA Method 8260B. Minimal concentrations of acetone were detected in two of the trip blanks as shown on Table 4.

D. Laboratory QA/QC Samples

Final laboratory-certified reports and quality control procedures are included on the compact disc (CD) as Appendix B. Data validation results are provided in Appendix C. Appropriate data qualifiers, as determined by Laboratory Data Consultants, Inc. (LDC) (data validation subcontractor), have been included where appropriate.

The data collected during this event is adequate for continued characterization and monitoring of VOCs in groundwater beneath the Site.

VI. CONCLUSIONS

Groundwater levels have increased on average beneath the BRC Former C-6 Facility since the last sampling event by approximately 1.2 feet. The hydraulic gradient beneath the Site remains relatively low, and similar to previously estimated gradients.

In general, concentrations of dissolved chlorinated VOCs have remained approximately the same since the previous monitoring event. The plume geometry remains relatively constant based on the existing well network.

BOE-C6-0002923

REFERENCES

1. **Haley & Aldrich, Inc. and England Geosystem, 2001.** *Standard Operating Procedures for Measuring Natural Attenuation Parameters at Boeing Realty Corporation Former C-6 Facility.* Revision 1.0, January 9, 2001.

2. **Haley & Aldrich, 2001.** *Groundwater Monitoring Workplan 2001*, dated December 20, 2001.

3. **Kennedy/Jenks Consultants, 2000.** *Groundwater Status Report,* dated October 27, 2000.

4. **Poland, J.F., Garnett, A.A., and Sinnott, A., 1959.** *Geology, Hydrology and Chemical Characteristics of the Ground Waters in the Torrance-Santa Monica Area, California*, USGS Water Supply Paper 1461.

5. **Sate of California, Department of Water Resources, 1961.** *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County*, Appendix A Ground Water Geology.

6. **Tait Environmental Management, Inc., 2001.** *Boeing Realty Corporation, Former C-6 Facility, Groundwater Monitoring Services, Standard Operating Procedures.* January 11, 2001.

C6.annual gw.report.051502

BOE-C6-0002924

TABLES

Table 1
Well Information
Boeing Realty Corporation Former C-6 Facility

Name	Easting[1]	Northing[1]	Top of Casing Elevation (AMSL)[2]	Boring Total Depth (feet)	Screen Depth Interval (feet)	Depth to Top of Filter Pack (feet)	Casing Diameter (in)	Casing Type	Slot Size	Drilled Date	Comments
WCC-1S*	12738.89	13194.04	50.74	91	77-87	75	2	Sched 40 PVC	0.020-Inch	3/25/1987	Abandoned
WCC-1D*	12739.11	13181.09	50.69	140	120-140	114	4	Sched 40 PVC	0.010-Inch	6/30/1989	Abandoned
WCC-2S*	12234.27	13451.60	50.83	90.5	70-90	63	4	Sched 40 PVC	0.010-Inch	10/28/1987	Abandoned
WCC-3S	12608.52	13238.90	51.12	92	69-89	64	4	Sched 40 PVC	0.010-Inch	10/26/1987	
WCC-3D	12583.61	13265.87	51.11	140	120-140	115	4	Sched 40 PVC	0.010-Inch	6/27/1989	
WCC-4S	12741.35	13075.30	49.62	91.5	70.5-90.5	65	4	Sched 40 PVC	0.010-Inch	10/27/1987	
WCC-5S	12963.90	12998.70	48.79	91	61-91	63.5	4	Sched 40 PVC	0.010-Inch	11/24/1987	
WCC-6S	12580.24	12953.10	51.3	91	60-90	54	4	Sched 40 PVC	0.010-Inch	9/22/1989	
WCC-7S	12730.37	12868.65	50.2	90.5	60-90	54	4	Sched 40 PVC	0.010-Inch	6/8/1989	
WCC-8S*	12737.33	13318.92	50.87	90	59.5-89.5	54	4	Sched 40 PVC	0.010-Inch	6/12/1989	Abandoned
WCC-9S	12928.87	12627.94	46.85	91.5	60-90	55	4	Sched 40 PVC	0.010-Inch	9/21/1989	
WCC-10S*	11338.90	14038.98	58.17	90.8	60-90	54	4	Sched 40 PVC	0.010-Inch	6/7/1989	Abandoned
WCC-11S	12744.01	13870.68	51.34	91	60-90	56	4	Sched 40 PVC	0.010-Inch	9/13/1990	
WCC-12S	12749.26	12715.21	46.92	91.5	60-90	55	4	Sched 40 PVC	0.010-Inch	9/17/1990	
DAC-P1	11194.86	12988.63	52.75	90	60-90	55	4	Sched 40 PVC	0.010-Inch	9/25/1989	
TMW-1	12212.00	13143.49	56.51	91	66-86	64	2	Sched 40 PVC	0.010-Inch	6/28/1998	
TMW-2	12478.09	13161.38	56.42	92	67-87	62	2	Sched 40 PVC	0.010-Inch	6/28/1998	
TMW-3	11909.54	12315.47	51.36	87	62.5-82.5	60	2	Sched 40 PVC	0.010-Inch	7/21/1998	
TMW-4	12498.69	12334.70	52.27	84	58-78	56	2	Sched 40 PVC	0.010-Inch	6/30/1998	
TMW-5	12038.44	11931.45	53.4	89	64-84	63	2	Sched 40 PVC	0.010-Inch	7/2/1998	
TMW-6	12552.93	11936.32	56.35	93	67-87	66	2	Sched 40 PVC	0.010-Inch	7/1/1998	
TMW-7	12560.70	12701.25	52.52	91	65-85	63	2	Sched 40 PVC	0.010-Inch	6/29/1998	
TMW-8	12571.93	12812.42	51.06**	89.5	61-81	59	2	Sched 40 PVC	0.010-Inch	6/29/1998	
TMW-9	12344.53	12740.05	52.75	85	60-80	58	2	Sched 40 PVC	0.010-Inch	6/30/1998	
TMW-10	12968.14	12170.61	47.48	85	60.5-80.5	57.6	2	Sched 40 PVC	0.010-Inch	1/28/1999	
TMW-11	12968.08	11423.04	47.41	83	58-78	54.6	2	Sched 40 PVC	0.010-Inch	2/1/1999	
TMW-12	12529.43	11402.90	51.67	89	63-83	60	2	Sched 40 PVC	0.010-Inch	1/27/1999	
TMW-13	11973.10	11416.11	50.89	85	60-80	58	2	Sched 40 PVC	0.010-Inch	2/2/1999	
TMW-14	11797.06	11416.11	58.16	90	65-85	63	2	Sched 40 PVC	0.010-Inch	2/3/1999	
TMW-15	11800.22	12165.10	55.23	92	62-87	60	2	Sched 40 PVC	0.010-Inch	2/4/1999	
TMW-16	11887.57	12904.74	55.73	87.5	61.5-81.5	59.5	2	Sched 40 PVC	0.010-Inch	1/29/1999	
TMW-17*	11533.67	12604.45	-	87	62-82	59	2	Sched 40 PVC	0.010-Inch	5/10/1999	Abandoned

Table 1
Well Information
Boeing Realty Corporation Former C-6 Facility

Name	Easting[1]	Northing[1]	Top of Casing Elevation (AMSL)[2]	Boring Total Depth (feet)	Screen Depth Interval (feet)	Depth to Top of Filter Pack (feet)	Casing Diameter (in)	Casing Type	Slot Size	Drilled Date	Comments
BL-1*	11218.52	13450.56	58.34	81.5	61.5-81.5	56.5	2	Sched 40 PVC	0.010-Inch	2/2/1999	Abandoned
BL-2*	11202.12	12546.32	58.15	81.5	61.5-81.5	56.6	2	Sched 40 PVC	0.010-Inch	2/3/1999	Abandoned
BL-3	11207.79	11961.46	56.48	79	59-79	56	2	Sched 40 PVC	0.010-Inch	2/8/1999	
BL-4*	11333.09	11087.39	-	79	58-78	55	2	Sched 40 PVC	0.010-Inch	2/16/1999	Abandoned
BL-5*	11397.77	13550.72	-	78.5	58-78	55	2	Sched 40 PVC	0.010-Inch	2/4/1999	Abandoned
BL-6*	11547.74	13063.70	-	78.5	58-78	55	2	Sched 40 PVC	0.010-Inch	2/4/1999	Abandoned
BL-7*	11569.25	12295.45	-	78.5	58-78	54	2	Sched 40 PVC	0.010-Inch	2/8/1999	Abandoned
BL-8*	11546.23	11321.84	-	81	60-80	57	2	Sched 40 PVC	0.010-Inch	2/16/1999	Abandoned
Montrose Wells											
XMW-09	12654.36	11148.11	53.67	-	66-81	-	4	-	-	5/9/1989	
XMW-18	12286.92	11426.42	50.34	-	68-83	-	4	-	-	3/29/1990	
XMW-19	12968.08	11757.92	46.53	-	63-79	-	4	-	-	3/30/1990	

1 Local coordinate system (feet)

2 AMSL = Above Mean Sea Level - Wells were surveyed March 19, 2002 by Tait & Associates.

* Indicates abandoned well.

**Top of casing elevation could not be verified by Tait & Associates.

Table 2
Groundwater Elevations - March 2002
Boeing Realty Corporation Former C-6 Facility

Well	Date Measured	Reference Elevation (feet AMSL) [1]	Depth to Water (feet)	Ground Water Elevation (feet AMSL)	Total Depth (feet)
WCC-3S	3/21/2002	51.12	64.14	-13.02	91.20
WCC-3D	3/21/2002	51.11	64.19	-13.08	139.55
WCC-4S	3/21/2002	49.62	62.81	-13.19	89.90
WCC-5S	3/21/2002	48.79	61.93	-13.14	90.22
WCC-6S	3/21/2002	51.30	64.56	-13.26	88.81
WCC-7S	3/21/2002	50.20	63.51	-13.31	90.56
WCC-9S	3/21/2002	46.85	60.33	-13.48	89.57
WCC-11S	3/21/2002	51.34	63.68	-12.34	91.34
WCC-12S	3/21/2002	46.92	60.44	-13.52	90.59
DAC-P1	3/21/2002	52.75	65.52	-12.77	90.62
TMW-1	3/21/2002	56.51	69.57	-13.06	80.16
TMW-2	3/21/2002	56.42	69.55	-13.13	80.03
TMW-3	3/21/2002	51.36	65.06	-13.70	82.03
TMW-4	3/21/2002	52.27	68.18	-15.91	78.53
TMW-5	3/21/2002	53.40	67.52	-14.12	80.18
TMW-6	3/21/2002	56.35	70.61	-14.26	79.95
TMW-7	3/21/2002	52.52	66.07	-13.55	82.32
TMW-8	3/21/2002	51.06	67.49	-16.43	79.90
TMW-9	3/21/2002	52.75	66.32	-13.57	---
TMW-10	3/21/2002	47.48	61.36	-13.88	78.22
TMW-11	3/21/2002	47.41	60.89	-13.48	78.39
TMW-12	3/21/2002	51.67	66.25	-14.58	78.13
TMW-13	3/21/2002	50.89	65.49	-14.60	78.90
TMW-14	3/21/2002	58.16	72.69	-14.53	88.32
TMW-15	3/21/2002	55.23	68.88	-13.65	87.82
TMW-16	3/21/2002	55.73	68.06	-12.33	76.68
BL-3	3/21/2002	56.48	70.25	-13.77	82.00
XMW-09	3/21/2002	53.67	68.34	-14.67	---
XMW-18	3/21/2002	50.34	65.51	-15.17	---
XMW-19	3/21/2002	46.53	60.76	-14.23	---

Notes:
Depth to Water measurements taken from top of monitoring well casing
1 AMSL - Above Mean Sea Level as measured during March 2002 survey event

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
BL-1	3/6/1999			-12.41
BL-1	7/12/1999			-12.38
BL-1	1/14/2000			-12.70
BL-1	6/20/2000			-12.86
BL-1	1/15/2001	58.34	71.41	-13.07
BL-1	7/16/2001	58.34	71.03	-12.69
BL-2	3/6/1999			-13.32
BL-2	7/12/1999			-13.17
BL-2	1/14/2000			-13.40
BL-2	6/20/2000			-13.51
BL-2	1/15/2001	58.15	71.91	-13.76
BL-3	3/6/1999			-13.89
BL-3	7/12/1999			-13.83
BL-3	1/14/2000			-14.08
BL-3	6/20/2000			-14.25
BL-3	1/15/2001	59.33	73.70	-14.37
BL-3	3/21/2002	56.48	70.25	-13.77
BL-4	3/6/1999			-14.51
BL-4	7/12/1999			-14.43
BL-4	1/14/2000			-15.11
BL-5	3/6/1999			-12.52
BL-5	7/12/1999			-12.53
BL-5	1/14/2000			-12.87
BL-6	3/6/1999			-12.92
BL-6	7/12/1999			-12.83
BL-6	1/14/2000			-13.15
BL-7	3/6/1999			-13.57
BL-7	7/12/1999			-13.44
BL-7	1/14/2000			-14.41
BL-8	3/6/1999			-14.27
BL-8	7/12/1999			-14.29
BL-8	1/14/2000			-14.55
DAC-P1	6/15/1992			-17.76
DAC-P1	9/21/1992			-17.88
DAC-P1	1/5/1993			-18.02
DAC-P1	4/9/1993			-17.46
DAC-P1	6/7/1993			-17.38
DAC-P1	8/24/1993			-17.03
DAC-P1	11/18/1993			-16.76
DAC-P1	2/23/1994			-16.74
DAC-P1	6/10/1994			-16.60
DAC-P1	9/8/1994			-16.48
DAC-P1	12/21/1994			-16.25
DAC-P1	3/13/1995			-16.41
DAC-P1	6/12/1995			-15.94
DAC-P1	9/20/1995			-15.66

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
DAC-P1	12/12/1995			-15.66
DAC-P1	2/29/1996			-15.40
DAC-P1	6/6/1996			-15.02
DAC-P1	9/18/1996			-14.88
DAC-P1	12/18/1996			-14.67
DAC-P1	5/6/1997			-14.20
DAC-P1	7/1/1997			-14.03
DAC-P1	7/22/1997			-14.01
DAC-P1	8/4/1997			-13.98
DAC-P1	8/19/1997			-13.91
DAC-P1	9/3/1997			-13.93
DAC-P1	9/16/1997			-13.91
DAC-P1	7/14/1998			-13.28
DAC-P1	3/6/1999			-12.87
DAC-P1	7/12/1999			-12.72
DAC-P1	6/20/2000			-13.01
DAC-P1	3/21/2002	52.75	65.52	-12.77
TMW-1	7/14/1998			-13.41
TMW-1	9/22/1998			-13.56
TMW-1	10/16/1998			-13.37
TMW-1	3/6/1999			-13.52
TMW-1	7/12/1999			-13.24
TMW-1	6/20/2000			-13.65
TMW-1	1/15/2001	51.24	65.00	-13.76
TMW-1	7/16/2001	51.24	64.55	-13.31
TMW-1	3/21/2002	56.51	69.57	-13.06
TMW-2	7/14/1998			-13.42
TMW-2	9/22/1998			-13.49
TMW-2	10/16/1998			-13.40
TMW-2	3/6/1999			-13.41
TMW-2	7/12/1999			-13.30
TMW-2	6/20/2000			-13.46
TMW-2	1/15/2001	51.18	64.93	-13.75
TMW-2	7/16/2001	51.18	64.52	-13.34
TMW-2	3/21/2002	56.42	69.55	-13.13
TMW-3	7/14/1998			-14.17
TMW-3	9/22/1998			-14.18
TMW-3	10/16/1998			-14.06
TMW-3	3/6/1999			-14.14
TMW-3	7/12/1999			-13.91
TMW-3	6/20/2000			-14.12
TMW-3	1/15/2001	51.07	65.41	-14.34
TMW-3	7/16/2001	51.07	64.93	-13.86
TMW-3	3/21/2002	51.36	65.06	-13.70

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
TMW-4	7/14/1998			-14.40
TMW-4	9/22/1998			-14.43
TMW-4	10/16/1998			-14.26
TMW-4	3/6/1999			-14.28
TMW-4	7/12/1999			-14.03
TMW-4	6/20/2000			-14.26
TMW-4	1/15/2001	50.35	64.87	-14.52
TMW-4	7/16/2001	50.35	64.45	-14.10
TMW-4	3/21/2002	52.27	68.18	-15.91
TMW-5	7/14/1998			-14.62
TMW-5	9/22/1998			-14.67
TMW-5	10/16/1998			-14.48
TMW-5	3/6/1999			-14.59
TMW-5	7/12/1999			-14.33
TMW-5	6/20/2000			-14.55
TMW-5	1/15/2001	50.12	64.90	-14.78
TMW-5	7/16/2001	50.12	64.50	-14.38
TMW-5	3/21/2002	53.40	67.52	-14.12
TMW-6	7/14/1998			-14.71
TMW-6	9/22/1998			-14.73
TMW-6	10/16/1998			-14.56
TMW-6	3/6/1999			-14.55
TMW-6	7/12/1999			-14.42
TMW-6	6/20/2000			-14.46
TMW-6	1/15/2001	50.13	64.93	-14.80
TMW-6	7/16/2001	50.13	64.57	-14.44
TMW-6	3/21/2002	56.35	70.61	-14.26
TMW-7	7/14/1998			-13.98
TMW-7	9/22/1998			-14.03
TMW-7	10/16/1998			-13.91
TMW-7	3/6/1999			-13.94
TMW-7	7/12/1999			-13.78
TMW-7	6/20/2000			-14.03
TMW-7	1/15/2001	51.12	65.29	-14.17
TMW-7	7/16/2001	51.12	64.87	-13.75
TMW-7	3/21/2002	52.52	66.07	-13.55
TMW-8	7/14/1998			-13.85
TMW-8	9/22/1998			-13.88
TMW-8	10/16/1998			-13.79
TMW-8	3/6/1999			-13.84
TMW-8	7/12/1999			-13.65
TMW-8	6/20/2000			-13.92
TMW-8	1/15/2001	51.06	65.12	-14.06
TMW-8	7/16/2001	51.06	64.70	-13.64
TMW-8	3/21/2002	51.06	67.49	-16.43

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
TMW-9	7/14/1998			-14.08
TMW-9	9/22/1998			-14.05
TMW-9	10/16/1998			-13.93
TMW-9	3/6/1999			-13.87
TMW-9	7/12/1999			-13.70
TMW-9	6/20/2000			-14.01
TMW-9	1/15/2001	51.21	65.41	-14.20
TMW-9	3/21/2002	52.75	66.32	-13.57
TMW-10	3/6/1999			-14.25
TMW-10	7/12/1999			-13.09
TMW-10	6/20/2000			-14.05
TMW-10	1/15/2001	47.52	61.96	-14.44
TMW-10	7/16/2001	47.52	61.54	-14.02
TMW-10	3/21/2002	47.48	61.36	-13.88
TMW-11	3/6/1999			-14.81
TMW-11	7/12/1999			-14.50
TMW-11	6/20/2000			-14.63
TMW-11	1/15/2001	47.47	62.43	-14.96
TMW-11	7/16/2001	47.47	62.06	-14.59
TMW-11	3/21/2002	47.41	60.89	-13.48
TMW-12	3/6/1999			-14.88
TMW-12	7/12/1999			-14.69
TMW-12	6/20/2000			-14.97
TMW-12	1/15/2001	50.85	66.02	-15.17
TMW-12	7/16/2001	50.85	64.47	-13.62
TMW-12	3/21/2002	51.67	66.25	-14.58
TMW-13	3/6/1999			-14.77
TMW-13	7/12/1999			-14.60
TMW-13	6/20/2000			-14.91
TMW-13	7/16/2001	50.91	65.57	-14.66
TMW-13	3/21/2002	50.89	65.49	-14.60
TMW-14	3/6/1999			-14.70
TMW-14	7/12/1999			-14.46
TMW-14	6/20/2000			-14.75
TMW-14	1/15/2001	58.21	73.21	-15.00
TMW-14	7/16/2001	58.21	72.85	-14.64
TMW-14	3/21/2002	58.16	72.69	-14.53
TMW-15	3/6/1999			-14.04
TMW-15	7/12/1999			-13.64
TMW-15	6/20/2000			-14.04
TMW-15	1/15/2001	55.26	69.52	-14.26
TMW-15	7/16/2001	55.26	69.18	-13.92
TMW-15	3/21/2002	55.23	68.88	-13.65

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
TMW-16	3/6/1999			-12.89
TMW-16	7/12/1999			-12.63
TMW-16	6/20/2000			-12.86
TMW-16	1/15/2001	50.91	64.05	-13.14
TMW-16	7/16/2001	50.91	67.27	-16.36
TMW-16	3/21/2002	55.73	68.06	-12.33
TMW-17	7/12/1999			-13.16
TMW-17	1/14/2000			-13.41
WCC-1D	10/18/1989			-19.51
WCC-1D	6/15/1992			-19.55
WCC-1D	9/21/1992			-19.92
WCC-1D	1/5/1993			-19.61
WCC-1D	4/9/1993			-19.10
WCC-1D	6/7/1993			-19.00
WCC-1D	8/24/1993			-18.53
WCC-1D	11/18/1993			-18.34
WCC-1D	2/23/1994			-17.83
WCC-1D	6/10/1994			-17.47
WCC-1D	9/8/1994			-17.66
WCC-1D	12/21/1994			-17.55
WCC-1D	3/13/1995			-17.36
WCC-1D	6/12/1995			-16.79
WCC-1D	9/20/1995			-16.60
WCC-1D	12/12/1995			-16.31
WCC-1D	2/29/1996			-16.15
WCC-1D	6/6/1996			-15.73
WCC-1D	9/18/1996			-15.65
WCC-1D	12/18/1996			-15.34
WCC-1D	5/6/1997			-14.87
WCC-1D	7/1/1997			-14.82
WCC-1D	7/22/1997			-14.91
WCC-1D	8/4/1997			-14.85
WCC-1D	8/19/1997			-14.80
WCC-1D	9/3/1997			-14.84
WCC-1D	9/16/1997			-14.79
WCC-1S	11/13/1987			-21.63
WCC-1S	10/18/1989			-19.48
WCC-1S	6/15/1992			-19.20
WCC-1S	9/21/1992			-19.42
WCC-1S	1/5/1993			-19.34
WCC-1S	4/9/1993			-18.79
WCC-1S	6/7/1993			-18.75
WCC-1S	8/24/1993			-18.25
WCC-1S	11/18/1993			-18.00
WCC-1S	2/23/1994			-17.61
WCC-1S	6/10/1994			-17.23

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-1S	9/8/1994			-17.25
WCC-1S	12/21/1994			-17.12
WCC-1S	3/13/1995			-17.12
WCC-1S	6/12/1995			-16.53
WCC-1S	9/20/1995			-16.27
WCC-1S	12/12/1995			-16.05
WCC-1S	2/29/1996			-15.80
WCC-1S	6/6/1996			-15.47
WCC-1S	9/18/1996			-15.36
WCC-1S	12/18/1996			-15.03
WCC-1S	5/6/1997			-14.58
WCC-1S	7/1/1997			-14.51
WCC-1S	7/22/1997			-14.58
WCC-1S	8/4/1997			-14.53
WCC-1S	8/19/1997			-14.47
WCC-1S	9/3/1997			-14.53
WCC-1S	9/16/1997			-14.46
WCC-2S	11/13/1987			-19.72
WCC-2S	10/18/1989			-19.06
WCC-2S	6/15/1992			-19.15
WCC-2S	9/21/1992			-19.41
WCC-2S	1/5/1993			-19.51
WCC-2S	4/9/1993			-18.64
WCC-2S	6/7/1993			-18.63
WCC-2S	8/24/1993			-18.15
WCC-2S	11/18/1993			-17.87
WCC-2S	2/23/1994			-17.49
WCC-2S	6/10/1994			-17.07
WCC-2S	9/8/1994			-17.20
WCC-2S	12/21/1994			-17.17
WCC-2S	3/13/1995			-17.08
WCC-2S	6/12/1995			-16.37
WCC-2S	9/20/1995			-16.19
WCC-2S	12/12/1995			-15.86
WCC-2S	2/29/1996			-15.77
WCC-2S	6/6/1996			-15.26
WCC-2S	9/18/1996			-15.18
WCC-2S	12/18/1996			-14.82
WCC-2S	5/6/1997			-14.36
WCC-3D	10/18/1989			-19.38
WCC-3D	6/15/1992			-19.39
WCC-3D	9/21/1992			-19.71
WCC-3D	1/5/1993			-20.52
WCC-3D	4/9/1993			-18.87
WCC-3D	6/7/1993			-18.85
WCC-3D	8/24/1993			-18.40

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-3D	11/18/1993			-18.18
WCC-3D	2/23/1994			-18.00
WCC-3D	6/10/1994			-17.39
WCC-3D	9/8/1994			-17.47
WCC-3D	12/21/1994			-17.42
WCC-3D	3/13/1995			-17.27
WCC-3D	6/12/1995			-16.67
WCC-3D	9/20/1995			-16.47
WCC-3D	12/12/1995			-16.17
WCC-3D	2/29/1996			-15.95
WCC-3D	6/6/1996			-15.57
WCC-3D	9/18/1996			-15.50
WCC-3D	12/18/1996			-15.21
WCC-3D	5/6/1997			-14.72
WCC-3D	7/1/1997			-14.65
WCC-3D	7/22/1997			-14.73
WCC-3D	8/4/1997			-14.69
WCC-3D	8/19/1997			-14.61
WCC-3D	9/3/1997			-14.65
WCC-3D	9/16/1997			-14.63
WCC-3D	9/22/1998			-13.58
WCC-3D	10/16/1998			-13.53
WCC-3D	3/6/1999			-13.60
WCC-3D	7/12/1999			-13.49
WCC-3D	6/20/2000			-13.70
WCC-3D	1/15/2001	51.16	65.01	-13.85
WCC-3D	7/16/2001	51.16	64.58	-13.42
WCC-3D	3/21/2002	51.11	64.19	-13.08
WCC-3S	11/13/1987			-21.56
WCC-3S	10/18/1989			-19.42
WCC-3S	6/15/1992			-19.24
WCC-3S	9/21/1992			-19.52
WCC-3S	1/5/1993			-19.73
WCC-3S	4/9/1993			-18.83
WCC-3S	6/7/1993			-18.82
WCC-3S	8/24/1993			-18.36
WCC-3S	11/18/1993			-18.01
WCC-3S	2/23/1994			-17.67
WCC-3S	6/10/1994			-17.19
WCC-3S	9/8/1994			-17.31
WCC-3S	12/21/1994			-17.28
WCC-3S	3/13/1995			-17.22
WCC-3S	6/12/1995			-16.58
WCC-3S	9/20/1995			-16.37
WCC-3S	12/12/1995			-16.06
WCC-3S	2/29/1996			-15.93

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-3S	6/6/1996			-15.41
WCC-3S	9/18/1996			-15.41
WCC-3S	12/18/1996			-15.11
WCC-3S	5/6/1997			-14.63
WCC-3S	7/1/1997			-14.53
WCC-3S	7/22/1997			-14.64
WCC-3S	8/4/1997			-14.53
WCC-3S	8/19/1997			-14.52
WCC-3S	9/3/1997			-14.58
WCC-3S	9/16/1997			-14.53
WCC-3S	7/14/1998			-13.40
WCC-3S	9/22/1998			-13.48
WCC-3S	10/16/1998			-13.74
WCC-3S	3/6/1999			-13.45
WCC-3S	7/12/1999			-13.33
WCC-3S	6/20/2000			-13.47
WCC-3S	1/15/2001	51.16	64.87	-13.71
WCC-3S	7/16/2001	51.16	64.45	-13.29
WCC-3S	3/21/2002	51.12	64.14	-13.02
WCC-4S	11/13/1987			-21.77
WCC-4S	10/18/1989			-19.59
WCC-4S	6/15/1992			-19.22
WCC-4S	9/21/1992			-19.49
WCC-4S	1/5/1993			-19.34
WCC-4S	4/9/1993			-18.86
WCC-4S	6/7/1993			-18.78
WCC-4S	8/24/1993			-18.37
WCC-4S	11/18/1993			-18.16
WCC-4S	2/23/1994			-17.77
WCC-4S	6/10/1994			-17.32
WCC-4S	9/8/1994			-17.37
WCC-4S	12/21/1994			-17.31
WCC-4S	3/13/1995			-17.23
WCC-4S	6/12/1995			-16.61
WCC-4S	9/20/1995			-16.38
WCC-4S	12/12/1995			-16.16
WCC-4S	2/29/1996			-17.02
WCC-4S	6/6/1996			-15.56
WCC-4S	9/18/1996			-15.49
WCC-4S	12/18/1996			-15.19
WCC-4S	5/6/1997			-14.74
WCC-4S	7/1/1997			-14.66
WCC-4S	7/22/1997			-14.73
WCC-4S	8/4/1997			-14.69
WCC-4S	8/19/1997			-14.61
WCC-4S	9/3/1997			-14.69

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-4S	9/16/1997			-14.61
WCC-4S	7/14/1998			-13.56
WCC-4S	9/22/1998			-13.46
WCC-4S	10/16/1998			-13.49
WCC-4S	3/6/1999			-13.43
WCC-4S	7/12/1999			-13.33
WCC-4S	6/20/2000			-13.51
WCC-4S	1/15/2001	49.65	63.48	-13.83
WCC-4S	7/16/2001	49.65	63.00	-13.35
WCC-4S	3/21/2002	49.62	62.81	-13.19
WCC-5S	10/18/1989			-19.70
WCC-5S	6/15/1992			-19.13
WCC-5S	9/21/1992			-19.42
WCC-5S	1/5/1993			-19.32
WCC-5S	4/9/1993			-18.83
WCC-5S	6/7/1993			-18.78
WCC-5S	8/24/1993			-18.38
WCC-5S	11/18/1993			-18.13
WCC-5S	2/23/1994			-17.78
WCC-5S	6/10/1994			-17.33
WCC-5S	9/8/1994			-17.33
WCC-5S	12/21/1994			-17.25
WCC-5S	3/13/1995			-17.19
WCC-5S	6/12/1995			-16.56
WCC-5S	9/20/1995			-16.35
WCC-5S	12/12/1995			-16.14
WCC-5S	2/29/1996			-16.02
WCC-5S	6/6/1996			-15.54
WCC-5S	9/18/1996			-15.47
WCC-5S	12/18/1996			-15.22
WCC-5S	5/6/1997			-14.81
WCC-5S	7/1/1997			-14.71
WCC-5S	7/22/1997			-14.77
WCC-5S	8/4/1997			-14.71
WCC-5S	8/19/1997			-14.65
WCC-5S	9/3/1997			-14.72
WCC-5S	9/16/1997			-14.64
WCC-5S	9/22/1998			-13.52
WCC-5S	10/16/1998			-13.46
WCC-5S	3/6/1999			-13.39
WCC-5S	7/12/1999			-13.25
WCC-5S	6/20/2000			-13.46
WCC-5S	1/15/2001	48.84	62.47	-13.63
WCC-5S	7/16/2001	48.84	62.12	-13.28
WCC-5S	3/21/2002	48.79	61.93	-13.14

BOE-C6-0002937

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-6S	10/18/1989			-19.70
WCC-6S	6/15/1992			-19.40
WCC-6S	9/21/1992			-19.64
WCC-6S	1/5/1993			-19.50
WCC-6S	4/9/1993			-19.03
WCC-6S	6/7/1993			-18.97
WCC-6S	8/24/1993			-18.55
WCC-6S	11/18/1993			-18.32
WCC-6S	2/23/1994			-17.92
WCC-6S	6/10/1994			-17.48
WCC-6S	9/8/1994			-17.45
WCC-6S	12/21/1994			-17.45
WCC-6S	3/13/1995			-17.36
WCC-6S	6/12/1995			-16.75
WCC-6S	9/20/1995			-16.64
WCC-6S	12/12/1995			-16.30
WCC-6S	2/29/1996			-16.17
WCC-6S	6/6/1996			-15.76
WCC-6S	9/18/1996			-15.65
WCC-6S	12/18/1996			-15.35
WCC-6S	5/6/1997			-14.90
WCC-6S	7/1/1997			-14.79
WCC-6S	7/22/1997			-14.89
WCC-6S	8/4/1997			-14.84
WCC-6S	9/16/1997			-14.73
WCC-6S	7/14/1998			-13.69
WCC-6S	9/22/1998			-13.74
WCC-6S	10/16/1998			-13.77
WCC-6S	3/6/1999			-13.71
WCC-6S	7/12/1999			-13.55
WCC-6S	6/20/2000			-13.66
WCC-6S	1/15/2001	51.32	65.27	-13.95
WCC-6S	7/16/2001	51.32	64.81	-13.49
WCC-6S	3/21/2002	51.30	64.56	-13.26
WCC-7S	10/18/1989			-20.07
WCC-7S	6/15/1992			-19.63
WCC-7S	9/21/1992			-19.93
WCC-7S	1/5/1993			-19.76
WCC-7S	4/9/1993			-19.30
WCC-7S	6/7/1993			-19.23
WCC-7S	8/24/1993			-18.83
WCC-7S	11/18/1993			-18.60
WCC-7S	2/23/1994			-18.22
WCC-7S	6/10/1994			-17.82
WCC-7S	9/8/1994			-17.80
WCC-7S	12/21/1994			-17.74

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-7S	3/13/1995			-17.54
WCC-7S	6/12/1995			-17.03
WCC-7S	9/20/1995			-16.82
WCC-7S	12/12/1995			-16.59
WCC-7S	2/29/1996			-16.46
WCC-7S	6/6/1996			-16.01
WCC-7S	9/18/1996			-15.95
WCC-7S	12/18/1996			-15.64
WCC-7S	5/6/1997			-15.19
WCC-7S	7/1/1997			-15.12
WCC-7S	7/22/1997			-15.20
WCC-7S	8/4/1997			-15.15
WCC-7S	8/19/1997			-15.08
WCC-7S	9/3/1997			-15.15
WCC-7S	9/16/1997			-15.06
WCC-7S	9/22/1998			-13.89
WCC-7S	10/16/1998			-13.94
WCC-7S	3/6/1999			-13.58
WCC-7S	7/12/1999			-13.46
WCC-7S	6/20/2000			-13.67
WCC-7S	1/15/2001	50.23	64.12	-13.89
WCC-7S	7/16/2001	50.23	63.70	-13.47
WCC-7S	3/21/2002	50.20	63.51	-13.31
WCC-8S	10/18/1989			-19.35
WCC-8S	6/15/1992			-19.11
WCC-8S	9/21/1992			-19.34
WCC-8S	1/5/1993			-19.19
WCC-8S	4/9/1993			-18.69
WCC-8S	6/7/1993			-18.61
WCC-8S	8/24/1993			-18.19
WCC-8S	11/18/1993			-17.89
WCC-8S	2/23/1994			-17.49
WCC-8S	6/10/1994			-17.11
WCC-8S	9/8/1994			-17.14
WCC-8S	12/21/1994			-17.12
WCC-8S	3/13/1995			-17.29
WCC-8S	6/12/1995			-16.42
WCC-8S	9/20/1995			-16.16
WCC-8S	12/12/1995			-15.89
WCC-8S	2/29/1996			-15.76
WCC-8S	6/6/1996			-15.34
WCC-8S	9/18/1996			-15.27
WCC-8S	12/18/1996			-14.99
WCC-8S	5/6/1997			-14.56
WCC-8S	7/1/1997			-14.44
WCC-8S	7/22/1997			-14.50

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-8S	8/4/1997			-14.46
WCC-8S	8/19/1997			-14.39
WCC-8S	9/3/1997			-14.46
WCC-8S	9/16/1997			-14.39
WCC-9S	10/18/1989			-20.07
WCC-9S	6/15/1992			-19.44
WCC-9S	9/21/1992			-19.66
WCC-9S	1/5/1993			-19.56
WCC-9S	4/9/1993			-19.09
WCC-9S	6/7/1993			-19.09
WCC-9S	8/24/1993			-18.69
WCC-9S	11/18/1993			-18.42
WCC-9S	2/23/1994			-18.09
WCC-9S	6/10/1994			-18.63
WCC-9S	09/08/1994			-19.08
WCC-9S	12/21/1994			-17.51
WCC-9S	03/13/1995			-17.41
WCC-9S	06/12/1995			-16.79
WCC-9S	09/20/1995			-16.64
WCC-9S	12/12/1995			-16.39
WCC-9S	02/29/1996			-16.49
WCC-9S	06/06/1996			-15.86
WCC-9S	09/18/1996			-15.76
WCC-9S	12/18/1996			-15.47
WCC-9S	05/06/1997			-15.10
WCC-9S	07/01/1997			-15.00
WCC-9S	07/22/1997			-15.07
WCC-9S	08/04/1997			-15.00
WCC-9S	08/19/1997			-14.96
WCC-9S	09/03/1997			-15.01
WCC-9S	09/16/1997			-14.93
WCC-9S	09/22/1998			-13.92
WCC-9S	10/16/1998			-13.82
WCC-9S	03/06/1999			-13.85
WCC-9S	07/12/1999			-13.55
WCC-9S	06/20/2000			-13.70
WCC-9S	01/15/2001	46.93	60.90	-13.97
WCC-9S	07/16/2001	46.93	60.54	-13.61
WCC-9S	03/21/2002	46.85	60.33	-13.48
WCC-10S	10/18/1989			-18.42
WCC-10S	6/15/1992			-18.94
WCC-10S	9/21/1992			-19.33
WCC-10S	1/5/1993			-19.10
WCC-10S	4/9/1993			-18.42
WCC-10S	6/7/1993			-18.33
WCC-10S	8/24/1993			-17.83

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-10S	11/18/1993			-17.54
WCC-10S	2/23/1994			-17.07
WCC-10S	6/10/1994			-16.67
WCC-10S	9/8/1994			-17.03
WCC-10S	12/21/1994			-16.97
WCC-10S	3/13/1995			-16.56
WCC-10S	6/12/1995			-16.05
WCC-10S	9/20/1995			-15.89
WCC-10S	12/12/1995			-15.54
WCC-10S	2/29/1996			-15.22
WCC-10S	6/6/1996			-14.77
WCC-10S	9/18/1996			-14.68
WCC-10S	5/6/1997			-13.78
WCC-10S	7/1/1997			-13.74
WCC-10S	7/22/1997			-13.76
WCC-10S	8/4/1997			-13.73
WCC-10S	8/19/1997			-13.69
WCC-10S	9/3/1997			-13.72
WCC-10S	9/16/1997			-13.70
WCC-10S	7/14/1998			-12.53
WCC-10S	3/6/1999			-12.67
WCC-10S	7/12/1999			-12.63
WCC-10S	6/20/2000			-13.13
WCC-10S	1/15/2001	58.17	71.37	-13.20
WCC-11S	6/15/1992			-17.62
WCC-11S	9/21/1992			-18.81
WCC-11S	1/5/1993			-18.69
WCC-11S	4/9/1993			-18.13
WCC-11S	6/7/1993			-18.04
WCC-11S	8/24/1993			-17.60
WCC-11S	11/18/1993			-17.36
WCC-11S	2/23/1994			-16.96
WCC-11S	6/10/1994			-16.45
WCC-11S	9/8/1994			-16.58
WCC-11S	12/21/1994			-16.63
WCC-11S	3/13/1995			-16.48
WCC-11S	6/12/1995			-15.83
WCC-11S	9/20/1995			-15.59
WCC-11S	12/12/1995			-15.35
WCC-11S	2/29/1996			-15.19
WCC-11S	6/6/1996			-14.71
WCC-11S	9/18/1996			-14.64
WCC-11S	12/18/1996			-14.34
WCC-11S	5/6/1997			-13.88
WCC-11S	7/1/1997			-13.76
WCC-11S	7/22/1997			-13.84

Table 3
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-11S	8/4/1997			-13.74
WCC-11S	8/19/1997			-13.74
WCC-11S	9/3/1997			-13.81
WCC-11S	9/16/1997			-13.75
WCC-11S	9/22/1998			-12.68
WCC-11S	10/16/1998			-12.68
WCC-11S	3/6/1999			-12.64
WCC-11S	7/12/1999			-12.53
WCC-11S	6/20/2000			-12.88
WCC-11S	1/15/2001	51.37	64.32	-12.95
WCC-11S	7/16/2001	51.37	64.00	-12.63
WCC-11S	3/21/2002	51.34	63.68	-12.34
WCC-12S	6/15/1992			-19.60
WCC-12S	9/21/1992			-19.90
WCC-12S	1/5/1993			-19.74
WCC-12S	4/9/1993			-19.26
WCC-12S	6/7/1993			-19.20
WCC-12S	8/24/1993			-18.78
WCC-12S	11/18/1993			-18.58
WCC-12S	2/23/1994			-18.13
WCC-12S	6/10/1994			-17.74
WCC-12S	9/8/1994			-17.79
WCC-12S	12/21/1994			-17.67
WCC-12S	3/13/1995			-17.63
WCC-12S	6/12/1995			-17.00
WCC-12S	9/20/1995			-16.79
WCC-12S	12/12/1995			-16.54
WCC-12S	2/29/1996			-16.40
WCC-12S	6/6/1996			-15.96
WCC-12S	9/18/1996			-15.88
WCC-12S	12/18/1996			-15.56
WCC-12S	5/6/1997			-15.15
WCC-12S	7/1/1997			-15.07
WCC-12S	7/22/1997			-15.13
WCC-12S	8/4/1997			-15.09
WCC-12S	8/19/1997			-15.03
WCC-12S	9/3/1997			-15.10
WCC-12S	9/16/1997			-15.02
WCC-12S	7/14/1998			-13.96
WCC-12S	9/22/1998			-14.06
WCC-12S	10/16/1998			-13.97
WCC-12S	3/6/1999			-13.89
WCC-12S	7/12/1999			-13.57
WCC-12S	6/20/2000			-13.85
WCC-12S	1/15/2001	46.93	60.95	-14.02
WCC-12S	7/16/2001	46.93	60.64	-13.71
WCC-12S	3/21/2002	46.92	60.44	-13.52

Table 4
Volatile Organic Compounds by EPA 8260B - March 2002
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	1,1,1,2-Tetra chloro ethane	1,1,1-Trichloro ethane	1,1,2,2-Tetra chloro ethane	1,1,2-Trichloro ethane	1,1,2-Trichloro trifluoro ethane	1,1-Dichloro ethane	1,1-Dichloro ethene	1,1-Dichloro propene	1,2,3-Trichloro benzene	1,2,3-Trichloro propane	1,2,4-Trichloro benzene	1,2,4-Trimethyl benzene	1,2-Dibromo-3-chloro propane	1,2-Dibromo ethane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_3D	3/21/2002	<1	**6.7**	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
WCC_3S	3/25/2002	<620	**670**	<620	<620	<620	**440J**	**16,000**	<620	<620	<620	<620	<620	<1200	<620
WCC_4S	3/26/2002	<25	<25	<25	<25	<25	<25	**1,600**	<25	<25	<25	<25	<25	<50	<25
WCC_5S	3/21/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
WCC_6S	3/26/2002	<120	**780**	<120	<120	<120	**190**	**10,000**	<120	<120	<120	<120	<120	<250	<120
WCC_7S	3/25/2002	<2	<2	<2	1.5J	<2	**0.87J**	**120**	<2	<2	<2	<2	<2	<4	<2
WCC_9S	3/22/2002	<1	<1	<1	<1	<1	**1.4**		<1	<1	<1	<1	<1	<2	<1
WCC_11S	3/22/2002	<1	<1	<1	<1	<1	**0.38J**		<1	<1	<1	<1	<1	<2	<1
WCC_11S DUP	3/22/2002	<1	<1	<1	<1	<1	**0.41J**		<1	<1	<1	<1	<1	<2	<1
WCC_12S	3/25/2002	<2	<2	<2	<2	<2	**19**	**45**	<2	<2	<2	<2	<2	<4	<2
TMW_1	3/25/2002	<12	<12	<12	<12	<12	<12	**24**	<12	<12	<12	<12	<12	<25	<12
TMW_2	3/26/2002	<250	**650**	<250	<250	<250	**1,200**	**20,000**	<250	<250	<250	<250	<250	<500	<250
TMW_3	3/26/2002	<50	<50	<50	<50	<50	**15J**	**140**	<50	<50	<50	<50	<50	<100	<50
TMW_4	3/26/2002	<25	<25	<25	<25	<25	**18J**	**720**	<25	<25	<25	<25	<25	<50	<25
TMW-04 DUP	3/26/2002	<25	<25	<25	<25	<25	**16J**	**760**	<25	<25	<25	<25	<25	<50	<25
TMW_5	3/26/2002	<50	<50	<50	<50	<50	<50	**250**	<50	<50	<50	<50	<50	<100	<50
TMW_6	3/26/2002	<2	<2	<2	<2	<2	<2	**6.3**	<2	<2	<2	<2	<2	<4	<2
TMW_7	3/26/2002	<25	<25	<25	<25	<25	**7.5J**	**200**	<25	<25	<25	<25	<25	<50	<25
TMW_8	3/26/2002	<50	<50	<50	<50	<50	**42J**	**3,100**	<50	<50	<50	<50	<50	<100	<50
TMW_9	3/26/2002	<5	<5	<5	<5	<5	<5	**35**	<5	<5	<5	<5	<5	<10	<5
TMW_10	3/21/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
TMW_11	3/22/2002	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<10	<5
TMW_12	3/25/2002	<20	<20	<20	<20	<20	<20	**14J**	<20	<20	<20	<20	<20	<40	<20
TMW_13	3/22/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
TMW_14	3/22/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	**0.35J**	<2	<1
TMW_15	3/22/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	**0.49J**	<2	<1
TMW_16	3/21/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
BL_3	3/26/2002	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<25	<12
DAC_P1	3/27/2002	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<500	<250
XMW_09	3/21/2002	<25	<25	<25	<25	<25	<25		<25	<25	<25	<25	<25	<50	<25
XMW_18	3/27/2002	<12	<12	<12	<12	<12	<12	**14**	<12	<12	<12	<12	<12	<25	<12
XMW_19	3/22/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1

Quality Control Data

Trip Blanks															
TB_Tait032102_0001	3/21/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
TB_Tait032202_0001	3/22/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
TB_Tait032502_0001	3/25/2002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1
TB_Tait032602_0001	3/26/2002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1
TB_Tait032702_0001	3/27/2002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1
Rinsate Blanks															
EB_Tait032102_0001	03/21/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
EB_Tait032202_0001	03/22/2002	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<2	<1
EB_Tait032502_0001	03/25/2002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1
EB_Tait032602_0001	03/26/2002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1
EB_Tait032702_0001	03/27/2002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Data Qualifiers
J = Estimated value

Table 4
Volatile Organic Compounds by EPA 8260B - March 2002
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	1,2-Dichloro benzene	1,2-Dichloro ethane	1,3,5-Trimethyl benzene	1,3-Dichloro benzene	1,4-Dichloro benzene	2,2-Dichloro propane	2-Butanone	2-Chloro ethyl vinyl ether	2-Chloro toluene	2-Hexanone	4-Chloro toluene	4-Methyl-2-pentanone	Acetone	Acrolein
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_3D	3/21/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	7.1J	<20
WCC_3S	3/25/2002	<620	<310	<620	<620	<620	<620	<3100	<3100	<620	<3100	<620	<3100	<6200	<12000
WCC_4S	3/26/2002	<25	<12	<25	<25	<25	<25	<120	<120	<25	<120	<25	<120	<250	<500
WCC_5S	3/21/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
WCC_6S	3/26/2002	<120	<62	<120	<120	<120	<120	<620	<620	<120	<620	<120	<620	<1200	<2500
WCC_7S	3/25/2002	<2	<1	<2	<2	<2	<2	<10	<10	<2	<10	<2	<10	<20	<40
WCC_9S	3/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
WCC_11S	3/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
WCC_11S DUP	3/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
WCC_12S	3/25/2002	<2	<1	<2	<2	<2	<2	<10	<10	<2	<10	<2	<10	<20	<40
TMW_1	3/25/2002	<12	<6.2	<12	<12	<12	<12	<62	<62	<12	<62	<12	<62	<120	<250
TMW_2	3/26/2002	<250	<120	<250	<250	<250	<250	<1200	<1200	<250	<1200	<250	<1200	<2500	<5000
TMW_3	3/26/2002	<50	<25	<50	<50	<50	<50	<250	<250	<50	<250	<50	<250	<500	<1000
TMW_4	3/26/2002	<25	**10J**	<25	<25	<25	<25	<120	<120	<25	<120	<25	<120	<250	<500
TMW-04 DUP	3/26/2002	<25	<12	<25	<25	<25	<25	<120	<120	<25	<120	<25	<120	<250	<500
TMW_5	3/26/2002	<50	<25	<50	<50	<50	<50	<250	<250	<50	<250	<50	<250	<500	<1000
TMW_6	3/26/2002	<2	<1	<2	<2	<2	<2	<10	<10	<2	<10	<2	<10	<20	<40
TMW_7	3/26/2002	<25	<12	<25	<25	<25	<25	<120	<120	<25	<120	<25	<120	<250	<500
TMW_8	3/26/2002	<50	<25	<50	<50	<50	<50	<250	<250	<50	<250	<50	<250	<500	<1000
TMW_9	3/26/2002	<5	<2.5	<5	<5	<5	<5	<25	<25	<5	<25	<5	<25	<50	<100
TMW_10	3/21/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_11	3/22/2002	<5	<2.5	<5	<5	<5	<5	<25	<25	<5	<25	<5	<25	<50	<100
TMW_12	3/25/2002	<20	<10	<20	<20	<20	<20	<100	<100	<20	<100	<20	<100	<200	<400
TMW_13	3/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_14	3/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_15	3/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_16	3/21/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	**4.7J**	<20
BL_3	3/26/2002	<12	<6.2	<12	<12	<12	<12	<62	<62	<12	<62	<12	<62	<120	<250
DAC_P1	3/27/2002	<250	<120	<250	<250	<250	<250	<1200	<1200	<250	<1200	<250	<1200	<2500	<5000
XMW_09	3/21/2002	<25	<12	<25	<25	<25	<25	<120	<120	<25	<120	<25	<120	<250	<500
XMW_18	3/27/2002	<12	<6.2	<12	<12	<12	<12	<62	<62	<12	<62	<12	<62	<120	<250
XMW_19	3/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
Quality Control Data															
Trip Blanks															
TB_Tait032102_0001	3/21/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	**7.2J**	<20
TB_Tait032202_0001	3/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TB_Tait032502_0001	3/25/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	**10**	<20
TB_Tait032602_0001	3/26/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TB_Tait032702_0001	3/27/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
Rinsate Blanks															
EB_Tait032102_0001	03/21/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	**14**	<20
EB_Tait032202_0001	03/22/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
EB_Tait032502_0001	03/25/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
EB_Tait032602_0001	03/26/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
EB_Tait032702_0001	03/27/2002	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20

Data Qualifiers
J = Estimated value

Table 4
Volatile Organic Compounds by EPA 8260B - March 2002
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Acrylo nitrile	Benzene	Bromo benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon disulfide	Carbon tetra chloride	Chloro benzene	Chloro ethane	Chloro form	Chloro methane	cis-1,2-Dichloro ethene	Dibromo chloro methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_3D	3/21/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	**1.7**	<1
WCC_3S	3/25/2002	<12000	<620	<620	<620	<620	<620	<1200	<620	<310	<620	<1200	<620	<1200	**3,800**	<620
WCC_4S	3/26/2002	<500	<25	<25	<25	<25	<25	<50	<25	<12	<25	<50	<25	<50	**22J**	<25
WCC_5S	3/21/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	**0.42J**	<2	**0.76J**	<2	<1	<1
WCC_6S	3/26/2002	<2500	**68J**	<120	<120	<120	<120	<250	<120	<62	<120	<250	**40J**	<250	**4,100**	<120
WCC_7S	3/25/2002	<40	<2	<2	<2	<2	<2	<4	<2	<1	<2	<4	<2	<4	**5**	<2
WCC_9S	3/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	**24**	<2	**3.1**	<1
WCC_11S	3/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	**14**	<1
WCC_11S DUP	3/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	**14**	<1
WCC_12S	3/25/2002	<40	<2	<2	<2	<2	<2	<4	<2	<1	<2	<4	**1.9J**	<4	**8.7**	<2
TMW_1	3/25/2002	<250	<12	<12	<12	<12	<12	<25	<12	<6.2	<12	<25	<12	<25	<12	<12
TMW_2	3/26/2002	<5000	<250	<250	<250	<250	<250	<500	<250	<120	<250	<500	**110J**	<500	**7,800**	<250
TMW_3	3/26/2002	<1000	<50	<50	<50	<50	<50	<100	<50	<25	<50	<100	<50	<100	<50	<50
TMW_4	3/26/2002	<500	<25	<25	<25	<25	<25	<50	<25	<12	<25	<50	**11J**	<50	**36**	<25
TMW-04 DUP	3/26/2002	<500	<25	<25	<25	<25	<25	<50	<25	<12	<25	<50	**11J**	<50	**32**	<25
TMW_5	3/26/2002	<1000	<50	<50	<50	<50	<50	<100	<50	<25	<50	<100	**20J**	<100	<50	<50
TMW_6	3/26/2002	<40	<2	<2	<2	<2	<2	<4	<2	<1	<2	<4	**130**	<4	**1.6J**	<2
TMW_7	3/26/2002	<500	<25	<25	<25	<25	<25	<50	<25	<12	<25	<50	<25	<50	**21J**	<25
TMW_8	3/26/2002	<1000	**17J**	<50	<50	<50	<50	<100	<50	<25	<50	<100	<50	<100	**72**	<50
TMW_9	3/26/2002	<100	<5	<5	<5	<5	<5	<10	<5	<2.5	<5	<10	<5	<10	**9**	<5
TMW_10	3/21/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	**3**	<2	<1	<1
TMW_11	3/22/2002	<100	<5	<5	<5	<5	<5	<10	<5	**3.3**	<5	<10	**340**	<10	<5	<5
TMW_12	3/25/2002	<400	<20	<20	<20	<20	<20	<40	<20	<10	<20	<40	**1,200**	<40	<20	<20
TMW_13	3/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	**1.2**	<1	<2	**8.7**	<2	<1	<1
TMW_14	3/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	**2**	<1	<2	**3.9**	<2	<1	<1
TMW_15	3/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	**5.2**	<2	**2.2**	<1
TMW_16	3/21/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	**0.47J**	<2	<1	<1
BL_3	3/26/2002	<250	<12	<12	<12	<12	<12	<25	<12	<6.2	<12	<25	<12	<25	<12	<12
DAC_P1	3/27/2002	<5000	<250	<250	<250	<250	<250	<500	<250	<120	<250	<500	<250	<500	**170J**	<250
XMW_09	3/21/2002	<500	<25	<25	<25	<25	<25	<50	<25	<12	**260**	<50	**1,400**	<50	<25	<25
XMW_18	3/27/2002	<250	<12	<12	<12	<12	<12	<25	<12	<6.2	**57**	<25	**7.5J**	<25	<12	<12
XMW_19	3/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	**87**	<2	**0.58J**	<1

Quality Control Data

Trip Blanks																
TB_Tait032102_0001	3/21/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
TB_Tait032202_0001	3/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
TB_Tait032502_0001	3/25/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
TB_Tait032602_0001	3/26/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
TB_Tait032702_0001	3/27/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
Rinsate Blanks																
EB_Tait032102_0001	03/21/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
EB_Tait032202_0001	03/22/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
EB_Tait032502_0001	03/25/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
EB_Tait032602_0001	03/26/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
EB_Tait032702_0001	03/27/2002	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1

Data Qualifiers
J = Estimated value

Table 4
Volatile Organic Compounds by EPA 8260B - March 2002
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Dichloro difluoro methane	Ethyl benzene	Hexa chloro butadiene	Iodo methane	Isopropyl ether	Isopropyl benzene	Methyl tert-butyl ether	Methylene chloride	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	Styrene	t-Butanol	Tert-amyl methyl ether
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_3D	3/21/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
WCC_3S	3/25/2002	<620	<620	<620	<1200	<1200	<620	<620	<620	<620	<620	<620	<620	<620	<16000	<1200
WCC_4S	3/26/2002	<25	<25	<25	<50		<25	<25	<25	<25	<25	<25	<25	<25		
WCC_5S	3/21/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
WCC_6S	3/26/2002	<120	<120	<120	<250		<120	<120	<120	<120	<120	<120	<120	<120		
WCC_7S	3/25/2002	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<50	<4
WCC_9S	3/22/2002	**0.91J**	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
WCC_11S	3/22/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
WCC_11S DUP	3/22/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
WCC_12S	3/25/2002	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<50	<4
TMW_1	3/25/2002	<12	<12	<12	<25	<25	<12	<12	<12	<12	<12	<12	<12	<12	<310	<25
TMW_2	3/26/2002	<250	<250	<250	<500		<250	<250	<250	<250	<250	<250	<250	<250		
TMW_3	3/26/2002	<50	<50	<50	<100		<50	<50	<50	<50	<50	<50	<50	<50		
TMW_4	3/26/2002	<25	<25	<25	<50		<25	<25	<25	<25	<25	<25	<25	<25		
TMW-04 DUP	3/26/2002	<25	<25	<25	<50		<25	<25	<25	<25	<25	<25	<25	<25		
TMW_5	3/26/2002	<50	<50	<50	<100		<50	<50	<50	<50	<50	<50	<50	<50		
TMW_6	3/26/2002	<2	<2	<2	<4		<2	<2	<2	<2	<2	<2	<2	<2		
TMW_7	3/26/2002	<25	<25	<25	<50		<25	<25	<25	<25	<25	<25	<25	<25		
TMW_8	3/26/2002	<50	<50	<50	<100		<50	<50	<50	<50	<50	<50	<50	<50		
TMW_9	3/26/2002	<5	<5	<5	<10		<5	<5	<5	<5	<5	<5	<5	<5		
TMW_10	3/21/2002	**1.7**	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
TMW_11	3/22/2002	<5	<5	<5	<10		<5	<5	<5	<5	<5	<5	<5	<5		
TMW_12	3/25/2002	<20	<20	<20	<40	<40	<20	<20	<20	<20	<20	<20	<20	<20	<500	<40
TMW_13	3/22/2002	<1	<1	<1	<2		<1	<1	**0.31J**	<1	<1	<1	<1	<1		
TMW_14	3/22/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
TMW_15	3/22/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
TMW_16	3/21/2002	<1	<1	<1	<2		**0.35J**	<1	<1	<1	<1	<1	<1	<1		
BL_3	3/26/2002	<12	<12	<12	<25		<12	<12	<12	<12	<12	<12	<12	<12		
DAC_P1	3/27/2002	<250	<250	<250	<500		<250	<250	<250	<250	<250	<250	<250	<250		
XMW_09	3/21/2002	<25	<25	<25	<50		<25	<25	<25	<25	<25	<25	<25	<25		
XMW_18	3/27/2002	<12	<12	<12	<25		<12	<12	<12	<12	<12	<12	<12	<12		
XMW_19	3/22/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
Quality Control Data																
Trip Blanks																
TB_Tait032102_0001	3/21/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
TB_Tait032202_0001	3/22/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
TB_Tait032502_0001	3/25/2002	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TB_Tait032602_0001	3/26/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
TB_Tait032702_0001	3/27/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
Rinsate Blanks																
EB_Tait032102_0001	03/21/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
EB_Tait032202_0001	03/22/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
EB_Tait032502_0001	03/25/2002	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
EB_Tait032602_0001	03/26/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		
EB_Tait032702_0001	03/27/2002	<1	<1	<1	<2		<1	<1	<1	<1	<1	<1	<1	<1		

Data Qualifiers
J = Estimated value

Table 4
Volatile Organic Compounds by EPA 8260B - March 2002
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	Tert-butyl ethyl ether	tert-Butyl benzene	Tetra chloro ethene	Tetra hydro furan	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl acetate	Vinyl chloride	Xylenes (total)
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_3D	3/21/2002		<1	<1	<10	**3**	<1	**1.8**	<2	<5	<0.5	<1
WCC_3S	3/25/2002	<1200	<620	<620	<6200	**43,000**	**520J**	**1,400**	<1200	<3100	<310	<620
WCC_4S	3/26/2002		<25	<25	<250	**12J**	**15J**	**1,000**	<50	<120	<12	<25
WCC_5S	3/21/2002		<1	**0.42J**	<10	**5.5**	<1	**1.8**	**0.61J**	<5	<0.5	<1
WCC_6S	3/26/2002		<120	<120	<1200	**2,500**	**200**	**2,000**	<250	<620	<62	<120
WCC_7S	3/25/2002	<4	<2	<2	<20	**0.72J**	<2	**100**	<4	<10	<1	<2
WCC_9S	3/22/2002		<1	<1	<10	**0.42J**	<1	**52**	**0.54J**	<5	<0.5	<1
WCC_11S	3/22/2002		<1	<1	<10	**6**	<1	**72**	<2	<5	<0.5	<1
WCC_11S DUP	3/22/2002		<1	<1	<10	**4.3**	<1	**73**	<2	<5	<0.5	<1
WCC_12S	3/25/2002	<4	<2	**1.2J**	<20	**1.8J**	<2	**140**	<4	<10	<1	<2
TMW_1	3/25/2002	<25	<12	<12	<120	**12**	<12	**460**	**18J**	<62	<6.2	<12
TMW_2	3/26/2002		<250	<250	<2500	**1,700**	**420**	**11,000**	<500	<1200	<120	<250
TMW_3	3/26/2002		<50	<50	<500	<50	<50	**4,000**	<100	<250	<25	<50
TMW_4	3/26/2002		<25	<25	<250	<25	**21J**	**1,900**	<50	<120	<12	<25
TMW-04 DUP	3/26/2002		<25	<25	<250	<25	**21J**	**1,900**	<50	<120	<12	<25
TMW_5	3/26/2002		<50	<50	<500	<50	<50	**3,900**	<100	<250	<25	<50
TMW_6	3/26/2002		<2	<2	<20	<2	<2	**160**	<4	<10	<1	<2
TMW_7	3/26/2002		<25	<25	<250	<25	<25	**1,600**	<50	<120	<12	<25
TMW_8	3/26/2002		<50	<50	<500	<50	**55**	**3,600**	<100	<250	<25	<50
TMW_9	3/26/2002		<5	<5	<50	<5	<5	**260**	<10	<25	<2.5	<5
TMW_10	3/21/2002		<1	**0.88J**	<10	**5.5**	<1	**3.7**	**1.2J**	<5	<0.5	<1
TMW_11	3/22/2002		<5	**5.7**	<50	<5	<5	**7**	<10	<25	<2.5	<5
TMW_12	3/25/2002	<40	<20	<20	<200	**17J**	<20	**150**	<40	<100	<10	<20
TMW_13	3/22/2002		<1	**3.2**	<10	<1	<1	**74**	<2	<5	<0.5	<1
TMW_14	3/22/2002		<1	**1.4**	<10	**6.4**	<1	**11**	<2	<5	<0.5	<1
TMW_15	3/22/2002		<1	<1	<10	**9.8**	<1	**30**	<2	<5	<0.5	<1
TMW_16	3/21/2002		<1	**0.94J**	<10	**1.1**	<1	**1.6**	<2	<5	<0.5	<1
BL_3	3/26/2002		<12	**22**	<120	<12	<12	**840**	<25	<62	<6.2	<12
DAC_P1	3/27/2002		<250	<250	<2500	<250	<250	**17,000**	<500	<1200	<120	<250
XMW_09	3/21/2002		<25	**55**	<250	<25	<25	**30**	<50	<120	<12	<25
XMW_18	3/27/2002		<12	<12	<120	<12	<12	**1,100**	<25	<62	<6.2	<12
XMW_19	3/22/2002		<1	**0.77J**	<10	**0.62J**	<1	**10**	<2	<5	<0.5	<1

Quality Control Data

Trip Blanks												
TB_Tait032102_0001	3/21/2002		<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
TB_Tait032202_0001	3/22/2002		<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
TB_Tait032502_0001	3/25/2002	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
TB_Tait032602_0001	3/26/2002		<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
TB_Tait032702_0001	3/27/2002		<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
Rinsate Blanks												
EB_Tait032102_0001	03/21/2002		<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
EB_Tait032202_0001	03/22/2002		<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
EB_Tait032502_0001	03/25/2002	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
EB_Tait032602_0001	03/26/2002		<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
EB_Tait032702_0001	03/27/2002		<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1

Data Qualifiers
J = Estimated value

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well		Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-1S		3/27/1987		300		2,800				85										4,600				
WCC-1S		4/13/1987		260		3,700				110										5,500				
WCC-1S		11/12/1987	23	160		3,000				160			39		75					5,200				
WCC-1S	Dup	4/13/1988		120		2,500														3,600				
WCC-1S		7/13/1989	<20	67		900				<20			<20	<20	<20			<100		2,400	<20			
WCC-1S		8/23/1989	30	<30		1,500				<30			<30	41	<30			<100		2,800	<30			
WCC-1S		11/18/1991				1,300														3,700				
WCC-1S		6/17/1992	<50	<50		1,700			<300	<50			<50	<5	<50	<100		<100		3,800	<50			
WCC-1S		9/23/1992	13	16	<1	1,500	<1	<1	<5	37	22	<1	13	<1	14	<5	4	<5	<1	3,400	1	<1	<1	<1
WCC-1S		12/9/1992	<30	<30	<30	1,500	<30	<30	<100	30	<30	<30	<30	<30	<30	<100	40	<100	<30	3,100	<30	<30	<30	<30
WCC-1S		3/18/1993	13	15	<2	1,000	<2	<2	<10	33	<5	<5	14	27	15	<10	<10	<5	<2	2,100	<2	<2	<2	<5
WCC-1S		6/8/1993	<20	<20	<20	1,200	<20	<20	<400	35	<20	<20	<20	27	<20	<400	<100	<200	<20	2,400	<20	<20	<20	<20
WCC-1S		8/25/1993	<20	<20	<40	1,700	<20	<20	<400	42	<20	<20	<20	27	<20	<400	<40	<200	<20	3,300	<20	<20	<20	<20
WCC-1S		11/19/1993	<20	<20	<40	1,600	<20	<20	<400	38	<20	<20	<20	25	<20	<400	<100	<200	<20	2,600	<20	<20	<20	<20
WCC-1S		2/24/1994	<20	<20	<40	1,800	<20	<20	<400	39	<20	<20	<20	33	21	<400	<100	<200	<20	2,700	<20	<20	<20	<20
WCC-1S		6/13/1994	11	11	<20	1,000	<10	<10	<200	<10	<10	<10	<10	20	16	<200	<50	<100	<10	1,700	<10	<10	<30	<10
WCC-1S		9/9/1994	<40	<40	<80	1,400	<40	<40	<800	<40	<40	<40	<40	<40	<40	<800	<200	<400	<40	2,300	<40	<40	<120	<40
WCC-1S		12/22/1994	23	24	<40	3,000	<20	<20	<400	57	<20	<20	<20	38	36	<400	<100	<200	<20	3,100	<20	<20	<40	<20
WCC-1S		3/14/1995	<20	<20	<40	2,000	<20	<20	<400	34	<20	<20	<20	22	22	<400	<100	<200	<20	2,300	<20	<20	<40	<20
WCC-1S		6/13/1995	20	<20	<40	2,700	<20	<20	<400	45	<20	<20	<20	29	31	<400	<100	<200	<20	3,200	<20	<20	<20	<20
WCC-1S		9/7/1995	22	22	<5	1,800	<5	<5	<10	51	<5	<5	16	37	37	<10	<5	<10	<5	2,600	<5	<5	<5	<5
WCC-1S		12/15/1995	26	22	<2	2,900	<2	<2	<2	42	<2	<2	17	34	40		<2		<2	2,600	<2	<2	<4	<2
WCC-1S		3/4/1996	27	24	<20	3,000	<20	<20	<40	<20	<20	<20	<20	35	45	<40	<20	<40	<20	2,700	<20	<20	<40	<20
WCC-1S		6/7/1996	27	20	<5	2,500	<5	<5	<10	7	<5	<5	12	28	39	<10	<5		<5	2,200	<5	<5	<5	<5
WCC-1S		9/19/1996	<50	<50	<50	3,200	<50	<50	<500	<50	<250	<50	<50	<50	63	<500	<50	<500	<50	2,400	<50	<50	<50	<50
WCC-1S	Dup	12/15/1996	26	22	<2	2,800	<2	<2	<2	42	<2	<2	16	33	40		<2		<2	2,560	<2	<2	<4	<2
WCC-1S		12/18/1996	<50	<50	<50	2,600	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	2,200	<50	<50	<50	<50
WCC-1S	Dup	12/18/1996			<50		<50	<50	<500		<250	<50					<50		<50			<50	<50	<50
WCC-1S		5/8/1997	<50	<50	<50	3,200	<50	<50	<500	<50	<250	<50	<50	<50	69	<500	<50	<500	<50	2,700	<50	<50	<50	<50
WCC-1S		7/8/1997	<50	<50	<50	3,900	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	2,800	<50	<50	<50	<50
WCC-1S		7/24/1997	<50	<50	<50	2,600	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	2,400	<50	<50	<50	<50
WCC-1S		8/6/1997	<50	<50	<50	3,800	<50	<50	<500	<50	<250	<50	<50	<50	60	<500	<50	<500	<50	2,700	<50	<50	<50	<50
WCC-1S		8/22/1997	<50	<50	<50	3,800	<50	<50	<500	<50	<250	<50	<50	<50	66	<500	<50	<500	<50	2,700	<50	<50	<50	<50
WCC-1S		9/5/1997	<50	<50	<50	3,500	<50	<50	<500	<50	<250	<50	<50	<50	61	<500	<50	<500	<50	2,500	<50	<50	<50	<50
WCC-1S		9/17/1997	<50	<50	<50	3,400	<50	<50	<500	<50	<250	<50	<50	<50	63	<500	<50	<500	<50	2,700	<50	<50	<50	<50
WCC-1S	Dup	12/18/1997	<50	<50		2,600				<50			<50	<50	<50	<500		<500		2,300	<50			
WCC-1D		7/25/1989	<1	<1		<1				<1			<1	1	<1			<5		2	1			
WCC-1D		8/23/1989	<1	1		<1				<1			<1	<1	<1			<5		2	<1			
WCC-1D		11/15/1991		8		90														40	20			
WCC-1D		6/15/1992	<25	63		1,500			<50	<25			<25	<25	<25	<50		<50		230	<25			
WCC-1D	Dup	6/15/1992	<25	64		1,300			<50	<25			<25	<25	<25	<50		<65		210	<25			
WCC-1D		9/22/1992	<1	8	<1	180	<1	<1	<5	<1	<1	<1	<1	2	<1	<5	11	<5	<1	44	<1	<1	<1	4
WCC-1D		12/7/1992	<1	8	<1	160	<1	<1	<5	<1	<1	<1	1	2	<1	<5	2	<5	<1	41	<1	<1	<1	<1
WCC-1D	Dup	12/7/1992	<1	160	<1	150	<1	<1	<5	<1	<1	<1	1	<1	<1	<5	2	<5	<1	6	3	<1	<1	<1
WCC-1D		3/16/1993	<2	19	<2	200	<2	<2	<10	<2	<5	<5	<2	3	<2	<10	<10	<5	<2	23	<2	<2	<2	<5
WCC-1D		6/8/1993	<10	<14	<20	500	<10	<10	<200	<10	<10	<10	<10	<10	<10	<200	<20	<100	<10	71	<10	<10	<10	<10
WCC-1D	Dup	6/8/1993	<4	17	<8	480	<4	<4	<80	<4	<4	<4	<4	<4	<4	<80	<10	<40	<4	72	<4	<4	<4	<4
WCC-1D		8/24/1993	<2	16	<4	540	<2	<2	<40	<2	<2	<2	<2	3	2	<40	<4	<20	<2	67	2	<2	<2	<2
WCC-1D		11/18/1993	<2	16	<4	880	<2	<2	<40	<2	<2	<2	<2	3	3	<40	<10	<20	<2	110	<2	<2	<2	<2
WCC-1D		2/23/1994	<2	3	<4	140	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	14	<2	<2	<2	<2
WCC-1D		6/10/1994	<2	3.7	<4	230	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<20	<20	<2	24	<2	<2	<6	<2
WCC-1D		9/8/1994	<2	3.6	<4	210	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	37	<2	<2	<6	<2
WCC-1D		12/22/1994	<2	10	<4	600	<2	<2	<40	<2	<2	<2	<2	2.3	2.2	<40	<10	<20	<2	71	2.2	<2	<4	<2
WCC-1D		3/13/1995	<4	<4	<8	240	<4	<4	<80	<4	<4	<4	<4	<4	<4	<80	<20	<40	<4	38	<4	<4	<8	<4
WCC-1D		6/13/1995	<2	<2	<4	170	<2	<2	<40	<2	3	<2	<2	2	<2	<40	<10	<20	<2	21	<2	<2	<2	<2
WCC-1D		9/3/1995	<5	<5	<5	150	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	29	<5	<5	<5	<5
WCC-1D		12/16/1995	<2	<2	<2	12	<2	<2	<2	<2	<2	<2	<2	3	<2		<2		<2	23	<2	<2	<4	<2
WCC-1D		2/29/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<5	<5	<10	<5
WCC-1D	Dup	2/29/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<5	<5	<10	<5
WCC-1D		6/6/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	<5	<5	<5	<5	<5
WCC-1D		9/18/1996	<1	<1	<1	<1	<1	<1	<10	<1	<5	<1	<1	1.3	<1	<10	<1	<10	<1	3.5	<1	<1	<1	<1
WCC-1D	Dup	9/18/1996	<1	<0.5	<1	<1	<1	<1	<10	<0.5	<5	<1	<1	1.4	<1	<10	<1	<10	<1	3.6	<1	<1	<1	<1
WCC-1D		12/18/1996	<1	<1	<1	<1	<1	1.2	<10	<1	<5	<1	<1	1.4	<1	<10	<1	<10	<1	3.5	<1	<1	<1	<1

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-1D	5/7/1997	<1	<1	<1	<1	<1	<1	<10	<1	<5	<1	<1	1.2	<1	<10	<1	<10	<1	3.1	<1	<1	<1	<1
WCC-1D	7/8/1997	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<5	<1.0	<1.0	1.1	<1.0	<10	<1.0	<10	<1.0	3.3	<1.0	<1.0	<1.0	<1.0
WCC-1D	7/23/1997	<1.0	<1.0	<1.0	2	<1.0	<1.0	<10	<1.0	<5	<1.0	<1.0	1.2	<1.0	<10	<1.0	<10	<1.0	14	7.5	<1.0	<1.0	<1.0
WCC-1D	8/5/1997	<1.0	<1.0	<1.0	3	<1.0	<1.0	<10	<1.0	<5	<1.0	<1.0	1.3	<1.0	<10	<1.0	<10	<1.0	20	14	<1.0	<1.0	<1.0
WCC-1D	8/20/1997	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<5	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<10	<1.0	2.6	<1.0	<1.0	<1.0	<1.0
WCC-1D	9/4/1997	<1.0	1.2	<1.0	6	<1.0	<1.0	<10	<1.0	<5	<1.0	<1.0	1.6	<1.0	<10	<1.0	<10	<1.0	25	27	<1.0	<1.0	<1.0
WCC-1D	9/17/1997	<1.0	1.2	<1.0	6	<1.0	<1.0	<10	<1.0	<5	<1.0	<1.0	1.5	<1.0	<10	<1.0	<10	<1.0	28	26	<1.0	<1.0	<1.0
WCC-2S	11/2/1987		5		5															6			
WCC-2S	11/12/1987		1		2														4	1			
WCC-2S	7/13/1989	<1	<1		<1				<1			<1	<1	<1			<5		5	<1			
WCC-2S	8/23/1989	<1	<1		<1				<1			<1	<1	<1			<5		3	<1			
WCC-2S	11/19/1991		8		30														110	75			
WCC-2S	6/16/1992	<5	<5		30			<10	<5			<5	<5	<5	<10		<10		100	<5			
WCC-2S	9/22/1992	<1	<1	<1	18	<1	<1	<5	<1	<1	<1	<1	<1	<1	<5	11	<5	<1	110	1	<1	<1	<1
WCC-2S Dup	9/22/1992	<1	<1	<1	19	<1	<1	<5	<1	<1	<1	<1	<1	<1	<5	9	<5	<1	97	1	<1	<1	<1
WCC-2S	12/8/1992	<1	2	<1	49	<1	<1	6	<1	<1	<1	<1	<1	<1	<5	5	<5	<1	140	<1	<1	<1	<1
WCC-2S Dup	12/8/1992	<2	2	<1	27	<1	<1	<5	<1	<1	<1	2	<1	<1	<5	2	<5	<1	99	<1	<1	<1	<1
WCC-2S	3/17/1993	<2	<2	<2	32	<2	<2	<10	<2	<5	<5	<2	<2	<2	<10	<10	<5	<2	110	<2	<2	<2	<5
WCC-2S Dup	3/17/1993	<2	<2	<2	33	<2	<2	<10	<2	<5	<5	<2	<2	<2	<10	<10	<5	<2	100	<2	<2	<2	<5
WCC-2S	6/7/1993	<2	<2	<4	48	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<4	<20	<2	150	<2	<2	<2	<2
WCC-2S	8/24/1993	<2	<2	<4	16	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<4	<20	<2	90	<2	<2	<2	<2
WCC-2S	11/19/1993	<2	<2	<4	41	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	94	<2	<2	<2	<2
WCC-2S	2/24/1994	<2	<2	<4	30	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	96	<2	<2	<2	<2
WCC-2S	6/10/1994	<2	<2	<4	24	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<20	<20	<2	97	<2	<2	<6	<2
WCC-2S	9/8/1994	<2	<2	<4	37	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	150	<2	<2	<6	<2
WCC-2S	12/22/1994	<2	<2	<4	28	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	110	<2	<2	<4	<2
WCC-2S	3/13/1995	<2	<2	<4	27	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	160	<2	<2	<4	<2
WCC-2S	6/12/1995	<2	<2	<4	30	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	130	<2	<2	<2	<2
WCC-2S	9/6/1995	<5	<5	<5	56	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	200	<5	<5	<5	<5
WCC-2S	12/15/1995	<2	<2	<2	15	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2		<2	60	<2	<2	<4	<2
WCC-2S	3/1/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	21	<5	<5	<10	<5
WCC-2S	6/6/1996	<5	<5	<5	7	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	33	<5	<5	<5	<5
WCC-2S	9/19/1996	<1	<1	<1	23	<1	1.1	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	98	<1	<1	<1	<1
WCC-2S	12/18/1996	<2	<2	<2	30	<2	<2	<20	<2	<10	<2	<2	2.2	<2	<20	<2	<20	<2	120	<2	<2	<2	<2
WCC-2S	5/7/1997	<1	<1	<1	12	<1	<1	<10	<1	<5	<1	<1	18	<1	<10	<1	<10	<1	25	<1	<1	<1	<1
WCC-2S Dup	5/7/1997	<1	<1	<1	11	<1	<1	<10	<1	<5	<1	<1	17	<1	<10	<1	<10	<1	24	<1	<1	<1	<1
WCC-3S	11/2/1987		110000		38,000												54,000		10,000	80,000			
WCC-3S	11/12/1987	1000	54000		88,000									1000			70,000		11,000	140,000			
WCC-3S	7/13/1989	<500	56000		18,000				<500			<500	<500	660			<3000		7,700	32,000			
WCC-3S	8/23/1989	<1,000	78000		56,000				<1,000			<1,000	<1,000	<1,000			<5000		6,000	56,000			
WCC-3S	11/14/1991	400	6900		12,000							250	550	550	12000		70,000		7,900	27,000			
WCC-3S	6/17/1992	<5,000	13000		25,000			<30,000	<5000			<5,000	<5,000	<5,000	<10,000		100,000		13,000	51,000			
WCC-3S	9/23/1992	<500	7800	<500	22,000	<500	<500	<3,000	<500	<500	<500	<500	<500	<500	<3,000	900	82,000	<500	12,000	52,000	<500	<500	<500
WCC-3S	12/9/1992	<500	5600	<500	21,000	<500	<500	<3,000	<500	<500	<500	<500	700	600	4000	<500	90,000	<500	11,000	44,000	<500	<500	<500
WCC-3S	3/18/1993	650	21000	55	20,000	100	<10	<50	240	<25	<25	120	650	6400	<50	<50	44,000	<10	8,800	42,000	<10	120	<25
WCC-3S Dup	3/18/1993	510	22000	60	20,000	95	<10	<50	260	<25	<25	110	640	670	<50	<50	45,000	<10	8,800	42,000	<10	110	<25
WCC-3S	6/8/1993	420	5900	<200	16,000	<100	<100	<2,000	210	<100	<100	<100	520	480	<2,000	<200	79,000	<100	8,600	37,000	<100	<100	<100
WCC-3S	8/25/1993	500	10000	<800	21,000	<400	<400	<8,000	<400	<400	<400	<410	670	680	<8000	<800	50,000	<400	11,000	46,000	<400	<400	<400
WCC-3S Dup	8/25/1993	560	9500	52	20,000	86	<10	<200	250	<10	<10	<10	700	710	660	<50	49,000	<10	9,700	40,000	21	154	<10
WCC-3S	11/19/1993	690	19000	<200	26,000	<200	<200	<4,000	280	<200	<200	<200	1,100	840	<4,000	<1,000	47,000	<200	10,000	50,000	<200	<200	<200
WCC-3S	2/24/1994	310	9600	<400	15,000	<200	<200	<4,000	<200	<200	<200	<200	2,500	360	<4,000	<1,000	15,000	<200	2,500	25,000	<200	<200	<200
WCC-3S	6/13/1994	310	6200	<400	13,000	<200	<200	<4000	<200	<200	<200	<200	4,100	360	<4000	<1000	9,900	<200	820	23,000	<200	<600	<200
WCC-3S	9/9/1994	520	9000	<1000	23,000	<500	<500	<10000	<500	<500	<500	<500	7,700	600	<10000	<2500	6,000	<500	<500	43,000	<500	<1500	<500
WCC-3S Dup	9/9/1994	560	98000		25,000				<500			<500	8,400	640	<10000		5,000		<500	47,000			
WCC-3S	12/22/1994	440	6700	<400	20,000	<200	<200	<4,000	200	<200	<200	<200	6,700	530	<4,000	<1,000	3,400	<200	390	35,000	<200	<400	<200
WCC-3S	3/14/1995	570	8700	<400	24,000	<200	<200	<4,000	230	<200	<200	<200	6,200	670	<4,000	<1,000	4,600	<200	2,300	40,000	<200	<400	<200
WCC-3S	6/13/1995	450	4800	<800	22,000	<400	<400	<8,000	<400	<400	<400	<400	6,300	500	<8000	<2,000	6,600	<400	1,200	39,000	<400	<400	<400
WCC-3S	9/7/1995	480	4100	64	13,000	99	<5	39	220	<5	<5	76	6,000	520	<200	23	4,600	<5	910	31,000	18	137	<5
WCC-3S	12/16/1995	350	3100	22	12,000	41	<2	<2	130	<2	<2	45	4,400	400		<2		<2	670	23,000	8	42	<2
WCC-3S	3/4/1996	230	1,900	<50	8,400	<50	<50	<100	100	<50	<50	<50	3,200	280	<100	<50	200	<50	480	15,000	<50	<100	<50
WCC-3S	9/19/1996	600	3500	<500	20,000	<500	<500	<5,000	<500	<2,500	<500	<500	6,300	860	<5,000	<500	<5,000	<500	<500	29,000	<500	<500	<500
WCC-3S	12/19/1996	380	2300	<250	16,000	<250	<250	<2,500	<250	<1,200	<250	<250	4,100	460	<2,500	<250	<2,500	<250	<250	20,000	<250	<250	<250
WCC-3S	5/8/1997	140	470	<120	6,300	<120	<120	<1,200	<120	<620	<120	<120	2,000	180	<1200	<120	<1200	<120	230	8,800	<120	<120	<120

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well		Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-3S	Dup	5/8/1997	<250	520		6,200				<250			<50	2,000	<250	<2500		<2500		<250	9,100			
WCC-3S		7/8/1997	<250	1100	<250	9,200	<250	<250	<2,500	<250	<1,200	<250	<250	2,900	260	<2500	<250	<2500	<250	400	14,000	<250	<250	<250
WCC-3S		7/24/1997	350	1900	<250	14,000	<250	<250	<2,500	<250	<1,200	<250	<250	4,000	380	<2500	<250	<2500	<250	420	22,000	<250	<250	<250
WCC-3S		8/6/1997	310	1500	<250	12,000	<250	<250	<2,500	<250	<1,200	<250	<250	3,900	350	<2500	<250	<2500	<250	250	18,000	<250	<250	<250
WCC-3S		8/22/1997	410	2200	<250	16,000	<250	<250	<2,500	<250	<1,200	<250	<250	4,600	540	<2500	<250	<2500	<250	290	23,000	<250	<250	<250
WCC-3S		9/5/1997	350	1600	<250	13,000	<250	<250	<2,500	<250	<1,200	<250	<250	3,700	390	<2500	<250	<2500	<250	<250	18,000	<250	<250	<250
WCC-3S		9/18/1997	300	1500	<250	12,000	<250	<250	<2,500	<250	<1,200	<250	<250	3,500	350	<2500	<250	<2500	<250	<250	18,000	<250	<250	<250
WCC-3S	Dup	9/18/1997	300	1600	<250	13,000	<250	<250	<2,500	<250	<1,200	<250	<250	3,600	360	<2500	<250	<2500	<250	260	18,000	<250	<250	<250
WCC-3S		9/23/1998	870	4,000	<250	33,000	870	<250		390	<250	<250	<250	9,400	980		<1250		<250	<250	59,000	<250	<500	<250
WCC-3S		10/22/1998	1100	4700	<250	41,000	1100	<250		470	<250	<250	<250	11,000	1300		<1250		<250	490	68,000	<250	<500	<250
WCC-3S		3/6/1999	500	1,900	<250	20,000	500	<250		<250	<250	<250	<250	4,800	510		<1250		<250	640	42,000	<250	<500	<250
WCC-3S		7/16/1999	780	2700	<250	32,000	780	<250		380	<250	<250	<250	8,600	1000		<1250		<250	810	54,000	<250	<500	<250
WCC-3S		6/26/2000	630	2400	<125	25,000	<125			380	<125	<125	<125	7,600	840		<625		<125	770	48,000	<125	<250	<125
WCC-3S		2/3/2001	550	1100	<500	17,000	100 J	<500	<5000	270 J	<500	<250	<500	4,600	590	<2500	<500	3100	<500	550	44,000	<500	<500	<1000
WCC-3S		7/19/2001	840	2,200	<200	32,000	<100	<200	<2,000	390	<200	<100	140	7,900	960	<1,000	<200	6,100	<200	140	73,000	<200	250	<400
WCC-3S	Dup	7/19/2001	820	2,200	<200	34,000	<100	<200	<2,000	410	<200	<100	100	7,800	940	<1,000	<200	6,400	<200	140	75,000	<200	220	<400
WCC_3S		3/25/2002	440J	670	<620	16,000	<310	<620	<6200	<620	<620	<310	<620	3,800	520J	<3100	<620		<620	1400	43,000	<620	<620	<1200
WCC-3D		11/14/1991		60		20																		
WCC-3D		6/16/1992	<5	880		510			<30	<5			<5	<5	<5	<10		<10		23	8			
WCC-3D		9/22/1992	<1	27	<1	21	<1	<1	<5	<1	<1	<1	<1	<1	<1	<5	8	<5	<1	2	<1	<1	<1	1
WCC-3D		12/7/1992	<1	130	<1	120	<1	<1	<5	<1	<1	<1	1	<1	<1	<5	1	<5	<1	5	3	<1	<1	<1
WCC-3D		3/16/1993	6	2,000	<2	950	<2	<2	<10	<2	<5	<5	<2	2	9	<10	<10/	<5	<2	50	6	<2	<2	<5
WCC-3D	Dup	3/16/1993	6	2,000	<2	1,000	<2	<2	<10	<2	<5	<5	<2	2	9	<10	<10/	<5	<2	47	6	<2	<2	<5
WCC-3D		6/8/1993	<2	110	<4	110	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<4	<20	<2	6	<2	<2	<2	<2
WCC-3D		8/24/1993	<2	100	<4	120	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<4	<20	<2	5	3	<2	<2	<2
WCC-3D		11/18/1993	<2	410	<4	610	<2	<2	<40	<2	<2	<2	<2	<2	4	<40	<10	<20	<2	17	6	<2	<2	<2
WCC-3D	Dup	11/18/1993	<4	640	<8	840	<4	<4	<80	<4	<4	<4	<4	4	4	<80	<20	<40	<4	23	8	<4	<4	<4
WCC-3D		2/23/1994	0.4	590	<8	420	<4	<4	<80	<4	<4	<4	<4	<4	<4	<80	<20	<40	<4	25	13	<4	<4	<4
WCC-3D	Dup	2/23/1994	<4	530		370				<4			<4	<4	<4	<80		<40		23	12			
WCC-3D		6/13/1994	<10	1,300	<20	720	<10	<10	<200	<10	<10	<10	<10	<10	<10	<200	<50	<100	<10	96	<10	<10	<30	<10
WCC-3D		9/9/1994	<50	5,600	<100	3,700	<50	<50	<1000	<50	<50	<50	<50	<50	<50	<1,000	<250	<500	<50	490	<50	<50	<150	<50
WCC-3D		12/21/1994	10	6,300	29	5,200	<4	<4	<80	8.6	<4	<4	<4	15	22	<80	<20	<40	<4	540	5,100	<4	<8	<4
WCC-3D		3/14/1995	<40	4,000	<80	3,300	<40	<40	<800	<40	<40	<40	<40	<40	<40	<800	<200	<400	<40	370	3,200	<40	<80	<40
WCC-3D	Dup	3/14/1995	<20	3,900	<40	3,200	<20	<20	<400	<20	<20	<20	<20	<20	<20	<400	<100	<200	61	380	3,400	<20	<40	<20
WCC-3D		6/13/1995	<10	2,100	<20	1,800	<10	<10	<200	<10	<10	<10	<10	<10	<10	<200	<50	<100	<10	200	1,700	<10	<10	<10
WCC-3D		9/7/1995	13	4,100	35	3,400	6	<5	<10	13	<5	<5	<5	60	30	<10	<5	170	<5	520	4,700	<5	8	<5
WCC-3D		12/16/1995	<2	90	<2	111	<2	<2	<2	<2	<2	<2	<2	3	<2		<2		<2	32	88	<2	<4	<2
WCC-3D		3/4/1996	<5	40	<5	53	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	23	6	<5	<10	<5
WCC-3D		6/7/1996	<5	59	<5	84	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	60	21	<5	<5	<5
WCC-3D		9/19/1996	<1	24	<1	52	<1	<1	<10	<1	<5	<1	<1	2.2	<1	<10	<1	<10	<1	61	12	<1	<1	<1
WCC-3D		12/19/1996	1.3	67	<1	97	<1	1.1	<10	<1	<5	<1	<1	5.4	<1	<10	<1	<10	<1	42	20	<1	<1	<1
WCC-3D		5/8/1997	<1	11	<1	43	<1	<1	<10	<1	<5	<1	<1	1.7	<1	<10	<1	<10	<1	63	2.7	<1	<1	<1
WCC-3D		7/8/1997	<1.0	15	<1	70	<1	<1	<10	<1.0	<5	<1	<1.0	2.3	<1.0	<10	<1	<10	<1	87	14	<1	<1	<1
WCC-3D	Dup	7/8/1997	<1.0	5.9	<1	30	<1	<1	<10	<1.0	<5	<1	<1.0	1.1	<1.0	<10	<1	<10	<1	45	6	<1	<1	<1
WCC-3D		7/24/1997	<1.0	7.9	<1	55	<1	<1	<10	<1.0	<5	<1	<1.0	2.1	<1.0	<10	<1	<10	<1	79	12	<1	<1	<1
WCC-3D		8/6/1997	<1.0	8.8	<1	34	<1	<1	<10	<1.0	<5	<1	<1.0	2	<1.0	<10	<1	<10	<1	58	17	<1	<1	<1
WCC-3D	Dup	8/6/1997	<1.0	8.6	<1	34	<1	<1	<10	<1.0	<5	<1	<1.0	2.2	<1.0	<10	<1	<10	<1	56	17	<1	<1	<1
WCC-3D		8/22/1997	<1.0	21	<1	61	<1	<1	<10	<1.0	<5	<1	<1.0	1.9	<1.0	<10	<1	<10	<1	70	21	<1	<1	<1
WCC-3D	Dup	8/22/1997	<1.0	22	<1	60	<1	<1	<10	<1.0	<5	<1	<1.0	1.8	<1.0	<10	<1	<10	<1	72	22	<1	<1	<1
WCC-3D		9/5/1997	<1.0	15	<1	53	1.9	<1	<10	<1.0	<5	<1	<1.0	2	<1.0	<10	<1	<10	<1	66	29	<1	<1	<1
WCC-3D	Dup	9/5/1997	<1.0	14	<1	48	<1	<1	<10	<1.0	<5	<1	<1.0	1.9	<1.0	<10	<1	<10	<1	63	27	<1	<1	<1
WCC-3D		9/18/1997	<1.0	18	<1	35	<1	<1	<10	<1.0	<5	<1	<1.0	1.7	<1.0	<10	<1	<10	<1	47	32	<1	<1	<1
WCC-3D		9/28/1998	<5	1,300	<5	1,200	<5	<5		<5	<5.0	<5	<5	18	6.1		<25		<5	62	58	<5	<10	<5
WCC-3D		10/21/1998	<0.5	54	<0.5	50	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	2	<0.5		<2.5		<0.5	8	27	<0.5	<1	<0.5
WCC-3D		3/5/1999	<0.5	57	<0.5	32	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	1.3	<0.5		<2.5		<0.5	7.9	44	<0.5	<1	<0.5
WCC-3D	Dup	3/5/1999	<0.5	49	<0.5	28	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	1.4	<0.5		<2.5		<0.5	7.7	37	<0.5	<1	<0.5
WCC-3D		7/16/1999	<0.5	6.4	<0.5	5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	1.8	<0.5		<2.5		<0.5	6.2	1.7	<0.5	<1	<0.5
WCC-3D	Dup	7/16/1999	<0.5	5.7	<0.5	4	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	1.9	<0.5		<2.5		<0.5	5.8	1.3	<0.5	<1	<0.5
WCC-3D		6/26/2000	<0.5	50	<0.5	54	<0.5			<0.5	<0.5	<0.5	<0.5	2.1	<0.5		<2.5		<0.5	9.9	37	<0.5	<1	<0.5
WCC-3D		2/3/2001	<2	58	<2	47	<1	<2	<20	<2	<2	<1	<2	3.1	<2	<10	97	<10	<2	7.4	20	<2	1 J	<4
WCC_3D		3/21/2002	<1	6.7	<1	8.7	<0.5	<1	7.1J	<1	<1	<0.5	<1	1.7	<1	<5	<1		<1	1.8	3	<1	<1	<2
WCC-4S		11/2/1987		14		360							2		2					700				
WCC-4S		11/12/1987		35		1,200														690				
WCC-4S		7/13/1989	<3	11		170				<3			<3	10	<3					270	<3			
WCC-4S		8/23/1989	<5	7		360				<5			<5	15	<5			<20		410	<5			

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-4S	11/18/1991		20		1,000												<30		2,200				
WCC-4S	6/17/1992	<25	<25		920			<150	<25			<25	<25	<25	<50		<50		1,500	<25			
WCC-4S	9/23/1992	<10	20	<10	1,400	<10	<10	<50	<10	<10	<10	10	<10	<10	<50	20	<50	<10	1,900	<10	<10	<10	<10
WCC-4S	12/8/1992	<10	20	<10	1,000	<10	<10	<50	<10	<10	<10	10	10	<10	<50	50	<50	<10	1,600	<10	<10	<10	<10
WCC-4S	3/17/1993	8	14	<2	810	<2	<2	<10	6	<5	<5	5	8	5	<10	<10	<5	<2	1,200	<2	<2	<2	<5
WCC-4S	6/8/1993	<10	12	<20	1,300	<10	<10	<200	<10	<10	<10	<10	10	<10	<200	<40	<100	<10	1,800	<10	<10	<10	<10
WCC-4S	8/25/1993	<10	<10	<20	1,100	<10	<10	<200	<10	<10	<10	<10	<10	<10	<200	<20	<100	<10	1,400	<10	<10	<10	<10
WCC-4S	11/19/1993	17	8	<8	610	<4	<4	<80	4	<4	<4	<4	6	5	<80	<20	<40	<4	700	9	<4	<4	<4
WCC-4S	2/24/1994	5.8	8.8	<8	1,100	<4	<4	<80	6.4	<4	<4	5.1	8.7	7.2	<80	<20	<40	<4	980	<4	<4	<4	<4
WCC-4S	6/14/1994	<4	5.1	<8	800	<4	<4	<80	<4	<4	<4	<4	7.1	5.2	<80	<20	<40	<4	940	<4	<4	<12	<4
WCC-4S	9/9/1994	<20	<20	<40	1,000	<20	<20	<400	<20	<20	<20	<20	<20	<20	<400	<100	<200	<20	1,300	<20	<20	<60	<20
WCC-4S	12/22/1994	<10	<10	<20	670	<10	<10	<200	<10	<10	<10	<10	<10	<10	<200	<50	<100	<10	750	<10	<10	<20	<10
WCC-4S	3/14/1995	9.8	4.9		400				<4			<4	4.9	<4	<80		<40		450	<4			
WCC-4S	3/14/1995			<8		<4	<4	<80		<4	<4					<20		<4			<4	<8	<4
WCC-4S	6/13/1995	8.6	<6.6	<13	1,100	<6.6	<6.6	<130	7.1	<6.6	<6.6	<6.6	7.9	<6.6	<130	<33	<66	<6.6	1,100	<6.6	<6.6	<6.6	<6.6
WCC-4S	9/7/1995	8.1	6.4	<5	910	<5	<5	<10	13	<5	<5	6.5	10	9.2	<10	<5	<10	<5	1,200	<5	<5	<5	<5
WCC-4S	12/15/1995	4	<2	<2	1,100	<2	<2	<2	2	<2	<2	4	8	7		<2		<2	1,200	<2	<2	<4	<2
WCC-4S	3/4/1996	<5	<5	<5	710	<5	<5	<10	<5	<5	<5	<5	6	6	<10	<5	<10	<5	770	<5	<5	<10	<5
WCC-4S	6/7/1996	<5	<5	<5	740	<5	<5	<10	<5	<5	<5	<5	5	<5	<10	<5		<5	830	<5	<5	<5	<5
WCC-4S	9/19/1996	<25	<25	<25	980	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	960	<25	<25	<25	<25
WCC-4S	12/18/1996	<25	<25	<25	780	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	960	<25	<25	<25	<25
WCC-4S	5/8/1997	<12	<12	<12	1,000	<12	<12	<120	<12	<62	<12	<12	<12	14	<120	<12	<120	<12	1,100	<12	<12	<12	<12
WCC-4S	7/8/1997	<25	<25	<25	1,300	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1,200	<25	<25	<25	<25
WCC-4S	7/24/1997	<25	<25	<25	940	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1,200	<25	<25	<25	<25
WCC-4S	8/6/1997	<25	<25	<25	1,000	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1,000	560	<25	<25	<25
WCC-4S	8/22/1997	<25	<25	<25	1,200	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1,200	<25	<25	<25	<25
WCC-4S	9/5/1997	<25	<25	<25	1,100	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1,000	<25	<25	<25	<25
WCC-4S	9/17/1997	<25	<25	<25	960	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1,100	<25	<25	<25	<25
WCC-4S	9/28/1998	24	<2.5	18	890	24	<2.5		<2.5	<2.5	<2.5	5.4	12	8		<12.5		<2.5	780	<2.5	<2.5	<5	<2.5
WCC-4S	10/21/1998	19	<5	11	1,100	19	<5		<5	<5	<5	6	11	11		<25		<5	970	<5	<5	<10	<5
WCC-4S	3/4/1999	<10	<10	<10	1,700	<10	<10		<10	<10	<10	<10	<10	15		<50		<10	1,600	<10	<10	<20	<10
WCC-4S	7/14/1999	<10	<10	<10	2,100	<10	<10		<10	<10	<10	<10	12	19		<50		<10	1,500	<10	<10	<20	<10
WCC-4S	6/21/2000	<10	<10	<10	1,800	<10			<10	<10	<10	<10	<10	<10		<50		<10	1,300	<10	<10	<20	<10
WCC-4S	1/24/2001	<50	<50	<50	2,000	<25	<50	<500	<50	<50	<25	<50	<50	15 J	<250	<50	<250	<50	1,100	<50	<50	<50	<100
WCC_4S	3/26/2002	<25	<25	<25	1,600	<12	<25	<250	<25	<25	<12	<25	22J	15J	<120	<25		<25	1,000	12J	<25	<25	<50
WCC-5S	11/30/1987		1		7															1			
WCC-5S	1/8/1988		10		4																		
WCC-5S	7/13/1989	<1	13		3				<1			<1	6	<1			<1		<5	<1			
WCC-5S Dup	7/13/1989	<1	12		3				<1			<1	6	<1			<1		<5	<1			
WCC-5S	8/23/1989	<1	12		<1				<1			<1	4	<1			<1		<5	<1			
WCC-5S	11/19/1991				20														8	7			
WCC-5S	6/15/1992	<5	<5		28			<10	<5			<5	<5	<5	<10		<10		7	<5			
WCC-5S	9/21/1992	<1	<1	<1	21	<1	<1	<5	<1	<1	<1	<1	<1	<1	<5	8	<5	<1	5	<1	<1	<1	3
WCC-5S	12/7/1992	<1	<1	<1	21	<1	<1	<5	<1	<1	<1	<1	<1	<1	<5	3	<5	<1	5	<1	<1	<1	<1
WCC-5S	3/16/1993	<2	<2	<2	18	<2	<2	<10	<2	<5	<5	<2	<2	<2	<10	<10	<5	<2	4	<2	<2	<2	<5
WCC-5S	6/7/1993	<2	<2	<2	22	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<4	<20	<4	4	<2	<2	<2	<2
WCC-5S	8/24/1993	<2	<2	<4	23	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<4	<20	<2	5	<2	<2	<2	<2
WCC-5S	11/18/1993	<2	<2	<4	21	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	3	<2	<2	<2	<2
WCC-5S	2/23/1994	<2	<2	<4	20	<2	<2	<40	<2	4	<2	<2	<2	<2	<40	<10	<20	<2	4	<2	<2	<2	<2
WCC-5S	6/10/1994	<2	<2	<4	25	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<20	<20	<2	3.4	<2	<2	<6	<2
WCC-5S Dup	6/10/1994	<2	<2	<4	25	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<20	<20	<2	3.4	<2	<2	<6	<2
WCC-5S	9/8/1994	<2	<2	<4	18	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	3.3	<2	<2	<6	<2
WCC-5S	12/21/1994	<2	<2	<4	18	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	2.9	<2	<2	<4	<2
WCC-5S	3/13/1995	<2	<2	<4	14	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	2.8	<2	<2	<4	<2
WCC-5S	6/12/1995	<2	<2	<4	19	<2	<2	<40	<2	2	<2	<2	<2	<2	<40	<10	<20	<2	3.2	<2	<2	<2	<2
WCC-5S	9/6/1995	<5	<5	<5	18	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<5	<5	<5	<5
WCC-5S	12/12/1995	<2	<2	<2	15	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2		<2	3	<2	<2	<4	<2
WCC-5S	2/29/1996	<5	<5	<5	10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<5	<5	<10	<5
WCC-5S	6/6/1996	<5	<5	<5	9	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<5	<5	<5	<5
WCC-5S	9/18/1996	<1	<1	<1	10	<1	1.2	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	3.1	<1	<1	<1	<1
WCC-5S	12/17/1996	<1	<1	<1	10	<1	2	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	2.4	<1	<1	<1	<1
WCC-5S	5/7/1997	<1	<1	<1	10	<1	1.2	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	3.1	<1	<1	<1	<1
WCC-5S	7/2/1997	<1.0	<1.0	<1	11	<1	<1	<10	<1.0	<5	<1	<1.0	<1.0	<1.0	<10	<1	<10	<1	2.1	<1.0	<1	<1	<1
WCC-5S	7/23/1997	<1.0	<1.0	<1	12	<1	<1	<10	<1.0	<5	<1	<1.0	<1.0	<1.0	<10	<1	<10	<1	14	9.8	<1	<1	<1
WCC-5S	8/5/1997	<1.0	1.2	<1	18	<1	1.2	<10	<1.0	<5	<1	<1.0	1	<1.0	<10	<1	<10	<1	31	23	<1	<1	<1

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well		Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-5S		8/20/1997	<1.0	<1.0	<1	12	<1	<1	<10	<1.0	<5	<1	<1.0	<1.0	<1.0	<10	<1	<10	<1	2.1	<1.0	<1	<1	<1
WCC-5S		9/4/1997	<1.0	1.6	<1	19	<1	<1	<10	<1.0	<5	<1	<1.0	1.6	<1.0	<10	<1	<10	<1	32	33	<1	<1	<1
WCC-5S		9/16/1997	<1.0	1.8	<1	19	<1	<1	<10	<1.0	<5	<1	<1.0	1.5	<1.0	<10	<1	<10	<1	40	38	<1	<1	<1
WCC-5S		9/28/1998	<0.5	1.6	<0.5	17	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2.5		<0.5	4.5	<0.5	<0.5	<1	<0.5
WCC-5S		10/20/1998	<0.5	<0.5	<0.5	17	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2.5		<0.5	3.7	<0.5	<0.5	<1	<0.5
WCC-5S		3/4/1999	<0.5	<0.5	<0.5	11	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2.5		<0.5	2.1	<0.5	<0.5	<1	<0.5
WCC-5S		7/15/1999	<0.5	<0.5	<0.5	14	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2.5		<0.5	2.3	<0.5	<0.5	<1	<0.5
WCC-5S		6/22/2000	<0.5	<0.5	<0.5	9	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2.5		<0.5	2.7	<0.5	<0.5	<1	<0.5
WCC-5S		1/23/2001	<1	<1	<1	5	<0.5	<1	<10	<1	<1	<0.5	<1	<1	<1	<5	<1	<5	<1	1.7	2.8	<1	<1	5.2 J
WCC_5S		3/21/2002	<1	<1	<1	6.2	<0.5	<1	<10	<1	<1	<0.5	0.76J	<1	<1	<5	<1		0.42J	1.8	5.5	<1	<1	0.61J
WCC-6S		10/6/1989	4	130		210				<1			<1	12	7			<5		140	<1			
WCC-6S		11/16/1991		5,000		5,800										21,000		17,000			35,000			
WCC-6S		6/17/1992	<500	2100		5,400			<3,000	<500			<500	<500	<500	6,300		7,600		3,000	15000			
WCC-6S		9/23/1992	94	1300	96	5,900	5	<1	78	67	<1	<1	20	200	170	3,600	5	7,500	<1	3,100	10000	5	26	<1
WCC-6S		12/9/1992	80	680	60	3,700	<80	<50	<300	80	<50	<50	<50	200	100	3,000	100	3,400	<50	2,700	5000	<50	<50	<50
WCC-6S	Dup	12/9/1992	<100	1400	100	5,600	<80/<11	<100	<600	<100	<100	<100	<100	200	200	5,000	200	<500	<10	3,200	10000	<10	<100	<100
WCC-6S		3/17/1993	50	1200	<10	3,200	<80/<12	<25	<50	40	<25	<25	15	<10	80	3,800	<50	3,900	<10	1,400	10000	<10	20	<25
WCC-6S		6/8/1993	<100	1900	<200	5,500	<80/<13	<100	<2,000	<100	<100	<100	<100	260	120	7,800	<200	13,000	<100	2,100	21000	<100	<100	<100
WCC-6S		8/25/1993	<100	2100	<200	5,400	<80/<14	<100	<2,000	<100	<100	<100	<100	630	130	7,600	<200	11,000	<100	1,900	19000	<100	<100	<100
WCC-6S		11/19/1993	42	440	<20	2,200	<80/<15	<10	<200	24	<10	<10	<10	480		3,100	<50	4,700	<10	670	4900	<10	<10	<10
WCC-6S		2/24/1994	91	2200	74	11,000	<80/<16	<10	230	52	<10	<10	21	1,400	140	4,400	<50	13,000	<10	1,800	20000	10	58	<10
WCC-6S		6/13/1994	87	1800	69	5,800	<80	<10	<200	52	<10	<10	18	1,600	130	1,400	<50	4,400	<10	1,400	12000	<10	51	<50
WCC-6S	Dup	6/13/1994	<100	1500	<200	6,300	<17	<10	<2000	<100	<10	<100	<100	1,400	100	<2000	<500	5,200	<100	1,300	<13000	<100	<300	<100
WCC-6S		12/22/1994	<200	1300	<400	9,100	<200	<200	<4,000	<200	<200	<200	<200	2,500	<200	<4,000	<1,000	4,800	<200	1,900	16000	<200	<400	<200
WCC-6S		3/14/1995	38	200	<40	3,000	26	<20	<400	25	<20	<20	<20	850	60	<400	<100	390	<20	930	2300	<20	<40	<20
WCC-6S		6/13/1995	130	810	60	9,800	51	<20	<400	82	<20	<20	28	4,200	180	<400	<100	450	<20	510	8400	<20	<20	<20
WCC-6S		9/7/1995	55	370	1	4,300	1	<5	<10	50	<5	<5	14	2,400	83	12	<5	240	<5	620	2900	<5	1	<5
WCC-6S	Dup	9/7/1995	70	310	1	3,800	1	<5	<10	56	<5	<5	19	2,200	99	11	<5	180	<5	520	2500	<5	1	<5
WCC-6S		12/16/1995	120	1400	76	11,000	41	<2	<2	66	<2	<2	28	2,600	160		<2		<2	2,000	4900	5	28	<2
WCC-6S		3/4/1996	93	1,600	61	8,300	<50	<50	<100	56	<50	<50	<50	2,000	140	340	<50	350	<50	2,000	3,900	<50	<100	<50
WCC-6S		6/7/1996	88	1700	53	9,300	39	<25	<50	54	<25	<25	<25	3,000	120	960	<25		<25	2,400	6500	<25	<25	<25
WCC-6S		9/19/1996	<250	890	<250	8,800	<250	<250	<2,500	<250	<1,200	250	<250	1,800	250	<2500	<250	<2500	<250	2,000	4000	<250	<250	<250
WCC-6S	Dup	9/19/1996	110	950	<100	8,800	<100	<100	<1000	<100	<500	<100	<100	1,800	160	<1000	<100	<100	<100	2,200	4300	<100	<100	<100
WCC-6S		12/19/1996	<100	680	<100	7,000	<100	<100	<1000	<100	<500	<100	<100	880	100	<1000	<100	<1000	<100	2,200	2600	<100	<100	<100
WCC-6S	Dup	12/19/1996	<100	820	<100	8,300	<100	<100	<1000	<100	<500	<100	<100	1,000	130	<1000	<100	<1000	<100	2,600	3000	<100	<100	<100
WCC-6S		5/9/1997	<100	720	<100	6,800	<100	<100	<1000	<100	<500	<100	<100	1,100	<100	<1000	<100	<1000	<100	1,900	1800	<100	<100	<100
WCC-6S	Dup	5/9/1997	<100	740	<100	7,000	<100	<100	<1000	<100	<500	<100	<100	1,200	120	<1000	<100	<1000	<100	2,000	1800	<100	<100	<100
WCC-6S		7/8/1997	<100	410	<100	3,600	<100	<100	<1000	<100	<500	<100	<100	540	<100	<1000	<100	<1000	<100	950	2400	<100	<100	<100
WCC-6S		7/24/1997	<100	320	<100	2,700	<100	<100	<1000	<100	<500	<100	<100	510	<100	<1000	<100	<1000	<100	820	1600	<100	<100	<100
WCC-6S		8/6/1997	<100	630	<100	7,700	<100	<100	<1000	<100	<500	<100	<100	1,400	110	<1000	<100	<1000	<100	2,100	3100	<100	<100	<100
WCC-6S		9/18/1997	<100	500	<100	5,500	<100	<100	<1000	<100	<500	<100	<100	910	<100	<1000	<100	<1000	<100	1,600	1800	<100	<100	<100
WCC-6S		9/23/1998	16	38	<12.5	2,800	16	<12.5		<12.5	<12.5	<12.5	<12.5	210	22		<62.5		<12.5	1,500	<12.5	<12.5	<25	<12.5
WCC-6S		10/22/1998	20	19	<10	2,800	20	<10		12	<10	<10	<10	100	33		<50		<10	1,700	<10	<10	<20	<10
WCC-6S		3/6/1999	110	300	<50	9,500	110	<50		51	<50	<50	<50	510	140		<250		<50	5,000	760	<50	<100	<50
WCC-6S		7/16/1999	94	390	<50	7,300	94	<50		<50	<50	<50	<50	1000	130		<250		<50	3,000	860	<50	<100	<50
WCC-6S		6/26/2000	76	1600	<25	5,300	<25			43	<25	<25	<25	2000	91		<125		<25	1,500	4700	<25	<50	<25
WCC-6S		1/22/2001	79 J	770	<100	4,600	<50	<100	<1000	<100	<100	<50	<100	1300	120	<500	<100	<500	<100	1,700	1200	<100	<100	<200
WCC-6S		7/19/2001	74	540	14	5,026	11	<5	<50	27	<5	<2.5	14	990	110	<25	<5	<25	<5	1,900	360	7.6	38	<10
WCC_6S		37,342	190	780	<120	10,000	<62	<120	<1200	68J	<120	<62	40J	4,100	200	<620	<120		<120	2,000	2,500	<120	<120	<250
WCC-7S		7/13/1989	<10	110		850				<10			<10	26	11			<50		1,300	<10			
WCC-7S		8/23/1989	<30	66		1,100				<30			<30	31	<30			<100		1,400	<30			
WCC-7S		11/18/1991				390														1,200				
WCC-7S		6/17/1992	<5	<5		230			<30	<5			<5	<5	<5	<10		<10		560	<5			
WCC-7S		9/23/1992	<5	<5	<5	140	<5	<5	<30	<5	<5	<5	<5	<5	<5	<30	10	<30	<5	570	<5	<5	<5	<5
WCC-7S		12/8/1992	<5	<5	<5	140	<5	<5	<30	<5	<5	<5	<5	<5	<5	<30	10	<30	<5	430	<5	<5	<5	<5
WCC-7S		3/17/1993	<2	<2	<2	77	<2	<2	<10	<2	<5	<5	<2	4	<2	<10	<10	<5	<2	200	<2	<2	<5	<5
WCC-7S		6/7/1993	<2	<2	<4	120	<2	<2	<40	<2	<2	<2	<2	4	<2	<40	<4	<20	<2	330	<2	<2	<2	<2
WCC-7S		8/25/1993	<4	<4	<8	70	<4	<4	<80	<4	<4	<4	<4	4	<4	<80	31	<40	<4	210	<4	<4	<4	<4
WCC-7S		11/19/1993	<2	<2	<4	56	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	130	<2	<2	<2	<2
WCC-7S		2/24/1994	<2	<2	<4	75	<2	<2	<40	<2	<2	<2	<2	2.5	<2	<40	<10	<20	<2	140	<2	<2	<2	<2
WCC-7S		6/13/1994	<2	<2	<4	58	<2	<2	<40	<2	<2	<2	<2	2.5	<2	<40	<10	<20	<2	110	<2	<2	<6	<2
WCC-7S		9/8/1994	13	<2	<4	50	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	250	<2	<2	<6	<2
WCC-7S		12/22/1994	<2	<2	<4	94	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	94	<2	<2	<4	<2
WCC-7S		3/14/1995	<2	<2	<4	53	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	84	<2	<2	<4	<2
WCC-7S		6/13/1995	<2	2	<4	110	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	230	<2	<2	<4	<2

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well		Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-7S	Dup	6/13/1995	<2	<2	<4	98	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	220	<2	<2	<4	<2
WCC-7S		9/7/1995	<5	<5	<5	150	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	200	<5	<5	<5	<5
WCC-7S		12/15/1995	<2	<2	<2	98	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2		<2	140	<2	<2	<4	<2
WCC-7S		3/1/1996	<5	<5	<5	91	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	120	<5	<5	<10	<5
WCC-7S		6/7/1996	<5	<5	<5	100	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	130	<5	<5	<5	<5
WCC-7S		9/19/1996	<2	<2	<2	120	<2	<2	<20	<2	<10	<2	<2	<2	<2	<20	<2	<20	<2	150	<2	<2	<2	<2
WCC-7S		12/18/1996	<2	<2	<2	99	<2	<2	<20	<2	<10	<2	<2	<2	<2	<20	<2	<20	<2	130	<2	<2	<2	<2
WCC-7S		5/8/1997	<2.5	<2.5	<2.5	120	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<25	<2.5	<25	<2.5	140	<2.5	<2.5	<2.5	<2.5
WCC-7S		7/2/1997	<2.0	<2.0	<2.0	130	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<20	<2.0	150	<2.0	<2.0	<2.0	<2.0
WCC-7S		7/24/1997	<2.0	<2.0	<2.0	67	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<20	<2.0	130	8	<2.0	<2.0	<2.0
WCC-7S		8/6/1997	<2.0	<2.0	<2.0	130	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<20	<2.0	160	18	<2.0	<2.0	<2.0
WCC-7S		8/21/1997	<2.0	<2.0	<2.0	120	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<20	<2.0	140	<2.0	<2.0	<2.0	<2.0
WCC-7S		9/4/1997	3.1	<2.5	<2.5	120	6.1	<2.5	<25	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<25	<2.5	<25	<2.5	150	17	<2.5	<2.5	<2.5
WCC-7S		9/17/1997	<2.5	<2.5	<2.5	110	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<25	<2.5	<25	<2.5	160	21	<2.5	<2.5	<2.5
WCC-7S		9/28/1998	1.4	<1.25	1.7	300	1.4	<1.25		<1.25	<1.25	<1.25	<1.25	<1.25	<1.25		<6.25		<1.25	250	<1.25	<1.25	<2.5	<1.25
WCC-7S		10/21/1998	1	<1	2	300	1	<1		<1	<1	<1	<1	1	<1		<5		<1	240	<1	<1	<2	<1
WCC-7S		3/4/1999	<1	<1	<1	160	<1	<1		<1	<1	<1	<1	1.1	<1		<5		<1	170	<1	<1	<2	<1
WCC-7S		7/14/1999	<1	<1	<1	32	<1	<1		<1	<1	<1	<1	9.3	<1		<5		<1	120	<1	<1	<2	<1
WCC-7S		6/22/2000	1.1	<0.5	1.7	190	<0.5			<0.5	<0.5	<0.5	0.67	1.1	<0.5		<2.5		<0.5	170	<0.5	<0.5	<1.0	<0.5
WCC-7S		1/24/2001	<5	<5	<5	200	<2.5	<5	<50	<5	<5	<2.5	<5	<5	<5	<25	<5	<25	<5	140	9	<5	<5	<10
WCC_7S		3/25/2002	0.87J	<2	1.5J	120	<1	<2	<20	<2	<2	<1	<2	5	<2	<10	<2		<2	100	0.72J	<2	<2	<4
WCC-8S		7/13/1989	<5	160		430				<5			<5	7	9			<30		240	<5				
WCC-8S		8/23/1989	<5	130		820				<5			<5	7	<5			<30		430	<5				
WCC-8S		11/15/1991		400		2,600							25	40	40					3,000	120			
WCC-8S		6/17/1992	<25	180		2,200			<150	<25			<25	<25	<25	<50		<50		2,400	<25			
WCC-8S	Dup	6/17/1992	<50	180		2,300			<300	<50			<50	<50	<50	<100		<100		2,600	<50			
WCC-8S		9/23/1992	<20	200	<20	2,800	<20	<20	<100	<20	<20	<20	20	<20	20	<100	40	<100	<20	3,100	<20	<20	<20	<20
WCC-8S		12/8/1992	<20	100	<20	2,000	<20	<20	<100	20	<20	<20	20	20	30	<100	30	<100	<20	2,500	<20	<20	<20	<20
WCC-8S		3/17/1993	11	180	<2	1,800	<2	<2	<10	15	<5	<5	10	15	26	<10	<10	<5	<2	1,500	<2	<2	<2	<5
WCC-8S		6/8/1993	<20	300	<40	3,000	<20	<20	<400	<20	<20	<20	<20	<20	40	<400	<100	<200	<20	2,000	<20	<20	<20	<20
WCC-8S		8/25/1993	<20	330	<40	3,100	<20	<20	<400	<20	<20	<20	<20	<20	45	<400	<40	<200	<20	2,200	<20	<20	<20	<20
WCC-8S		2/24/1994	<20	300	<40	3,400	<20	<20	<400	<20	<20	<20	<20	<20	35	<400	<100	<200	<20	1,200	<20	<20	<20	<20
WCC-8S		6/13/1994	<40	290	<80	4,000	<40	<40	<800	<40	<40	<40	<40	<40	44	<800	<200	<400	<40	2,200	<40	<40	<120	<40
WCC-8S		9/9/1994	<50	280	<100	4,600	<50	<50	<1000	<50	<50	<50	<50	<50	<50	<1000	<250	<500	<50	3,100	<50	<50	<150	<50
WCC-8S		12/22/1994	<20	230	<40	4,000	<20	<20	<400	25	<20	<20	<20	<20	43	<400	<100	<200	<20	2,100	<20	<20	<40	<20
WCC-8S		3/14/1995	<40	220	<80	4,500	<40	<40	<800	<40	<40	<40	<40	<40	41	<800	<200	<400	<40	2,600	<40	<40	<80	<40
WCC-8S		6/13/1995	<40	150	<80	4,200	<40	<40	<800	<40	<40	<40	<40	<40	<40	<800	<200	<400	<40	2,400	<40	<40	<40	<40
WCC-8S		9/7/1995	10	110	<5	2,200	<5	<5	<10	22	<5	<5	9.2	15	28	<10	<5	<10	<5	1,700	<5	<5	<5	<5
WCC-8S		12/15/1995	16	120	<2	4,200	<2	<2	<2	10	<2	<2	<2	18	40		<2		<2	2,300	<2	<2	<4	<2
WCC-8S		3/1/1996	<20	120	<20	3,500	<20	<20	<40	<20	<20	<20	<20	<20	40	<40	<20	<40	<20	2,100	<20	<20	<40	<20
WCC-8S	Dup	3/1/1996	<20	120	<20	3,600	<20	<20	<40	<20	<20	<20	<20	<20	41	<40	<20	<40	<20	2,200	<20	<20	<40	<20
WCC-8S		6/7/1996	11	91	<5	3,300	<5	<5	<10	<5	<5	<5	10	12	32	<10	<5		<5	2,000	<5	<5	<5	<5
WCC-8S		9/19/1996	<50	59	<50	3,400	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1,900	<50	<50	<50	<50
WCC-8S		11/19/1996	<20	330	<40	3,300	<20	<20	<400	24	<20	<20	<20	<20	50	<400	<100	<200	<20	2,000	<20	<20	<20	<20
WCC-8S		12/18/1996	<50	61	<50	3,000	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	2,000	<50	<50	<50	<50
WCC-8S		5/8/1997	<50	<50	<50	2,600	<50	<50	<500	<50	<250	<50	<50	<50	51	<500	<50	<500	<50	1,600	<50	<50	<50	<50
WCC-8S		7/8/1997	<50	<50	<50	3,200	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1,900	<50	<50	<50	<50
WCC-8S		7/24/1997	<50	<50	<50	2,500	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1,900	<50	<50	<50	<50
WCC-8S		8/6/1997	<2.5	<2.5	<2.5	130	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<25	<2.5	<25	<2.5	160	18	<2.5	<2.5	<2.5
WCC-8S		8/22/1997	<50	<50	<50	2,800	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1,900	<50	<50	<50	<50
WCC-8S		9/5/1997	<50	<50	<50	2,500	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1,600	<50	<50	<50	<50
WCC-8S		9/17/1997	<50	<50	<50	2,600	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1,800	<50	<50	<50	<50
WCC-9S		10/6/1989	<1	<1		<1				<1			<1	7	<1			<5		15	<1			
WCC-9S		11/19/1991																		20				
WCC-9S		6/15/1992	<5	<5		7			<30	<5			<5	<5	<5	<10		<10		42	<5			
WCC-9S		9/21/1992	<1	<1	<1	6	<1	<1	<5	<1	<1	<1	6	2	<1	<5	10	<5	<1	45	<1	<1	<1	<1
WCC-9S		12/7/1992	<1	<1	<1	10	<1	<1	<5	<1	<1	<1	12	<1	<1	<5	3	<5	<1	51	<1	<1	<1	<1
WCC-9S		3/16/1993	<2	<2	<2	6	<2	<2	<10	<2	<5	<5	11	3	<2	<10	<10	<5	<2	23	<2	<2	<2	<5
WCC-9S		6/7/1993	<2	<2	<4	11	<2	<2	<40	<2	<2	<2	18	<2	<2	<40	<4	<20	<2	42	<2	<2	<2	<2
WCC-9S	Dup	6/7/1993	<2	<2	<4	11	<2	<2	<40	<2	<2	<2	17	<20	<20	<40	<4	<20	<2	39	<2	<2	<2	<2
WCC-9S		8/24/1993	<2	<2	<4	5	<2	<2	<40	<2	<2	<2	<2	4	<2	<40	<4	<20	<2	26	<2	<2	<2	<2
WCC-9S		11/18/1993	<2	<2	<4	5	<2	<2	<40	<2	<2	<2	7	<2	<2	<40	<10	<20	<2	43	<2	<2	<2	<2
WCC-9S		2/23/1994	<2	<2	<4	<4	<2	<2	<40	<2	<2	<2	4	2	<2	<40	<10	<20	<2	31	<2	<2	<4	<2
WCC-9S		6/10/1994	<2	<2	<4	<4	<2	<2	<40	<2	<2	<2	2.5	4.4	<2	<40	<20	<20	<2	28	<2	<2	<6	<2

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well		Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-9S		9/8/1994	<2	<2	<4	<4	<2	<2	<40	<2	<2	<2	4.1	2.7	<2	<40	<10	<20	<2	38	<2	<2	<6	<2
WCC-9S		12/21/1994	<2	<2	<4	<4	<2	<2	<40	<2	<2	<2	3	3.1	<2	<40	<10	<20	<2	22	<2	<2	<4	<2
WCC-9S	Dup	12/21/1994	<2	<2	<4	<4	<2	<2	<40	<2	<2	<2	3.1	3.3	<2	<40	<10	<20	<2	26	<2	<2	<4	<2
WCC-9S		3/13/1995	<2	<2	<4	7	<2	<2	<40	<2	<2	<2	8.4	<2	<2	<40	<10	<20	<2	56	<2	<2	<4	<2
WCC-9S		6/12/1995	<2	<2	<4	<4	<2	<2	<40	<2	<2	<2	6.4	<2	<2	<40	<10	<20	<2	23	<2	<2	<4	<2
WCC-9S	Dup	6/12/1995	<2	<2	<4	<4	<2	<2	<40	<2	<2	<2	6	<2	<2	<40	<10	<20	<2	21	<2	<2	<4	<2
WCC-9S		9/6/1995	<5	<5	<5	11	<5	<5	<10	<5	<5	<5	19	<5	<5	<10	<5	<10	<5	64	<5	<5	<5	<5
WCC-9S		12/12/1995	<2	<2	<2	4	<2	<2	<2	<2	<2	<2	4	3	<2		<2		<2	18	<2	<2	<4	<2
WCC-9S		2/29/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	17	<5	<5	<10	<5
WCC-9S		6/6/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	15	<5	<5	<5	<5
WCC-9S		9/18/1996	<1	<1	<1	2	<1	1.1	<10	<1	<5	<1	3.9	2.9	<1	<10	<1	<10	<1	17	<1	<1	<1	<1
WCC-9S		12/17/1996	<1	<1	<1	3	<1	1.5	<10	<1	<5	<1	3.5	2.8	<1	<10	<1	<10	<1	18	<1	<1	<1	<1
WCC-9S		5/7/1997	<1	<1	<1	2	<1	1	<10	<1	<5	<1	3.5	3	<1	<10	<1	<10	<1	16	<1	<1	<1	<1
WCC-9S		7/2/1997	<1.0	<1.0	<1	4	<1	<1	<10	<1.0	<5	<1	<1.0	1.9	6.7	<10	<1	<10	<1	29	<1.0	<1	<1	<1
WCC-9S		7/23/1997	<1.0	<1.0	<1	8	<1	<1	<10	<1.0	<5	<1	<1.0	2	7.6	<10	<1	<10	<1	43	12	<1	<1	<1
WCC-9S		8/5/1997	<1.0	<1.0	<1	10	<1	<1	<10	<1.0	<5	<1	8.2	2.6	<1.0	<10	<1	<10	<1	51	20	<1	<1	<1
WCC-9S	Dup	8/5/1997	<1.0	<1.0	<1	4	<1	<1	<10	<1.0	<5	<1	<1.0	1.3	<1.0	<10	<1	<10	<1	20	16	<1	<1	<1
WCC-9S		8/20/1997	<1.0	<1.0	<1	6	<1	<1	<10	<1.0	<5	<1	<1.0	2	9	<10	<1	<10	<1	31	<1.0	<1	<1	<1
WCC-9S		9/4/1997	<1.0	<1.0	<1	10	<1	<1	<10	<1.0	<5	<1	<1.0	2.4	8.2	<10	<1	<10	<1	48	24	<1	<1	<1
WCC-9S		9/16/1997	1.3	<1.0	<1	10	<1	<1	<10	<1.0	<5	<1	<1.0	2.4	8.1	<10	<1	<10	<1	58	29	<1	<1	<1
WCC-9S	Dup	9/16/1997	<1.0	1.4	<1	11	<1	<1	<10	<1.0	<5	<1	8	2.4	<1.0	<10	<1	<10	<1	59	30	<1	<1	<1
WCC-9S		9/23/1998	<1	3.5	<1	17	<1	<1		<1	<1	<1	12	<1	<1		<5		<1	130	<1	<1	<2	<1
WCC-9S		10/21/1998	<0.5	<0.5	<0.5	14	<1	<0.5		<0.5	<0.5	<0.5	20	<0.5	<0.5		<2.5		1	120	<0.5	<0.5	<1	<0.5
WCC-9S		3/2/1999	<0.5	<0.5	<0.5	7	<1	<0.5		<0.5	<0.5	<0.5	14	2	<0.5		<2.5		<0.5	44	<0.5	<0.5	<1	<0.5
WCC-9S		7/13/1999	<0.5	<0.5	<0.5	12	<1	<0.5		<0.5	<0.5	<0.5	24	2.2	<0.5		<2.5		<0.5	56	<0.5	<0.5	<1	<0.5
WCC-9S		6/20/2000	<0.5	<0.5	<0.5	14	<0.5			<0.5	<0.5	<0.5	49	<0.5	<0.5		<2.5		<0.5	78	<0.5	<0.5	<1.0	<0.5
WCC-9S		1/19/2001	1.3	<1	<1	6.52	<0.5	<1	<10	<1	<1	<0.5	6.8	<1	<1	<5	<1	<5	<1	73	8.7	<1	<1	0.54 J
WCC_9S		3/22/2002	1.4	<1	<1	5.3	<0.5	<1	<10	<1	<1	<0.5	24	3.1	<1	<5	<1		<1	52	0.42J	<1	<1	0.54J
WCC-10S		7/13/1989	<1	<1		2				<1			3	<1	<1			<5		86	<1			
WCC-10S	Dup	7/13/1989	<1	<1		1				<1			3	<1	<1			0.5		87	<1			
WCC-10S		8/23/1989	<1	<1		4				<1			4	<1	<1			5		81	<1			
WCC-10S		11/20/1991																		87				
WCC-10S		6/16/1992	<5	<5		10			35	<5			<5	<5	<5	13		<10		120	<5			
WCC-10S		9/21/1992	<1	<1	<1	9	<1	<1	<5	<1	<1	1	4	<1	<1	<5	8	<5	<1	120	<1	<1	<1	<1
WCC-10S	Dup	9/21/1992	<1	<1	<1	9	<1	<1	<5	<1	<1	1	4	<1	<1	<5	8	<5	<1	110	<1	<1	<1	<1
WCC-10S		12/8/1992	<1	<1	<1	8	<1	<1	<5	<1	<1	<1	5	<1	<1	<5	3	<5	<1	110	<1	<1	<1	<1
WCC-10S		3/16/1993	<2	<2	<2	9	<2	<2	<10	<2	<5	<5	6	<2	<2	<10	<10	<5	<2	130	<2	<2	<2	<5
WCC-10S		6/7/1993	<2	<2	<4	13	<2	<2	<40	<2	<2	<2	4	<2	<2	<40	<4	<20	<2	120	<2	<2	<2	<2
WCC-10S		8/25/1993	<2	<2	<4	<4	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	120	<2	<2	<2	<2
WCC-10S		11/19/1993	<2	<2	<4	9	<2	<2	<40	<2	<2	<2	2	<2	<2	<40	<10	<20	<2	82	<2	<2	<2	<2
WCC-10S		2/23/1994	<2	<2	<4	10	<2	<2	<40	<2	<2	<2	5	<2	<2	<40	<10	<20	<2	110	<2	<2	<2	<2
WCC-10S		6/10/1994	<2	<2	<4	17	<2	<2	<40	<2	<2	<2	4.3	<2	<2	<40	<20	<20	<2	120	<2	<2	<6	<2
WCC-10S		9/8/1994	<2	<2	<4	17	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	130	<2	<2	<6	<2
WCC-10S		12/22/1994			<4		<2	<2	<40		<2	<2					<10		<2			<2	<4	<2
WCC-10S	Dup	12/22/1994	<2	<2	<4	14	<2	<2	<40	<2	<2	<2	3.1	<2	<2	<40	<10	<20	<2	99	<2	<2	<4	<2
WCC-10S		3/13/1995	<2	<2	<4	19	<2	<2	<40	<2	<2	<2	2.2	<2	<2	<40	<10	<20	2.4	120	<2	<2	<4	<2
WCC-10S	Dup	3/13/1995	<2	<2	<4	19	<2	<2	<40	<2	<2	<2	2.2	<2	<2	<40	<10	<20	<2	120	<2	<2	<4	<2
WCC-10S		6/12/1995	<2	<2	<4	20	<2	<2	<40	<2	17	<2	2.3	<2	<2		<10	<20	<2	140	<2	<2	<2	<2
WCC-10S		9/6/1995	<5	<5	<5	27	<5	<5	<10	<5	14	<5	<5	<5	<5	<10	<5	<10	<5	160	<5	<5	<5	<5
WCC-10S		12/16/1995	<2	<2	<2	23	<2	<2	<2	<2	<2	<2	4	<2	<2		<2		<2	135	<2	<2	<4	<2
WCC-10S		3/1/1996	<5	<5	<5	20	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	120	<5	<5	<10	<5
WCC-10S		6/6/1996	<5	<5	<5	22	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	140	<5	<5	<5	<5
WCC-10S		9/19/1996	<2	<2	<2	22	<2	<2	<20	<2	<10	<2	2.5	<2	<2	<20	<2	<20	<2	120	<2	<2	<2	<2
WCC-10S		5/7/1997	<2.5	<2.5	<2.5	29	<2.5	<2.5	<25	<2.5	<12	<2.5	3.2	<2.5	<2.5	<25	<2.5	<25	<2.5	160	<2.5	<2.5	<2.5	<2.5
WCC-10S		7/2/1997	<2.0	<2.0	<2.0	25	<2.0	<2.0	<20	<2.0	<10	<2.0	2.5	<2.0	<2.0	<20	<2.0	<20	<2.0	140	<2.0	<2.0	<2.0	<2.0
WCC-10S		7/23/1997	<2.0	<2.0	<2.0	26	<2.0	<2.0	<20	<2.0	<10	<2.0	2.8	<2.0	<2.0	<20	<2.0	<20	<2.0	150	10	<2.0	<2.0	<2.0
WCC-10S	Dup	7/23/1997	<2.0	<2.0	<2.0	26	<2.0	<2.0	<20	<2.0	<10	<2.0	2.9	<2.0	<2.0	<20	<2.0	<20	<2.0	150	10	<2.0	<2.0	<2.0
WCC-10S		8/5/1997	<2.5	<2.5	<2.5	30	<2.5	<2.5	<25	<2.5	<12	<2.5	2.6	<2.5	<2.5	<25	<2.5	<25	<2.5	140	15	<2.5	<2.5	<2.5
WCC-10S		8/21/1997	<2.0	<2.0	<2.0	25	<2.0	<2.0	<20	<2.0	<10	<2.0	2.6	<2.0	<2.0	<20	<2.0	<20	<2.0	120	<2.0	<2.0	<2.0	<2.0
WCC-10S		9/4/1997	<2.5	<2.5	<2.5	28	<2.5	<2.5	<25	<2.5	<12	<2.5	2.7	<2.5	<2.5	<25	<2.5	<25	<2.5	140	18	<2.5	<2.5	<2.5
WCC-10S		9/17/1997	<2.5	<2.5	<2.5	29	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<25	<2.5	<25	<2.5	150	23	<2.5	<2.5	<2.5
WCC-10S		3/2/1999	<0.5	<0.5		29				<0.5			2.5	0.92	<0.5					150	<0.5			
WCC-10S		4/8/1999	<0.5	<0.5	<0.5	29	<0.5	<0.5		<0.5	<0.5	0.92	2.5	0.92	<0.5		<2.5		2.5	150	<0.5	<0.5	<1	<0.5
WCC-10S		7/14/1999	<1	<1	1.2	190	<1	<1		<1	<1	<1	<1	1.3	<1		<5		<1	200	<1	<1	<1	<1
WCC-10S		6/22/2000	0.94	<0.5	<0.5	34	<0.5			<0.5	<0.5	1.3	2.8	<0.5	<0.5		<2.5		3	160	<0.5	<0.5	<1.0	<0.5

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-10S	1/18/2001	<2.5	<2.5	<2.5	24	<1.2	<2.5	<25	<2.5	<2.5	<1.2	1.5	<2.5	<2.5	<12	<2.5	<12	<2.5	94	<2.5	<2.5	<2.5	<5
WCC-11S	11/15/1991				10														80				
WCC-11S	6/16/1992	<5	<5		21			<10	<5			<5	<5	<5	<10		<10		120	<5			
WCC-11S	9/21/1992	<1	<1	<1	17	<1	<1	<5	<1	<1	<1	<1	2	<1	<5	9	<5	<1	140	<1	<1	<1	2
WCC-11S	12/8/1992	<1	<1	<1	13	<1	<1	<5	<1	<1	<1	<1	6	<1	<5	4	<5	<1	83	<1	<1	<1	<1
WCC-11S	3/16/1993	<2	<2	<2	25	<2	<2	<10	<2	<5	<5	<2	4	<2	<10	<10	<5	<2	160	<2	<2	<2	<5
WCC-11S	6/7/1993	<2	<2	<4	16	<2	<2	<40	<2	<2	<2	<2	5	<2	<40	<4	<20	<2	110	<2	<2	<2	<2
WCC-11S	8/24/1993	<2	<2	<4	14	<2	<2	<40	<2	<2	<2	<2	4	<2	<40	<4	<20	<2	97	<2	<2	<2	<2
WCC-11S	11/19/1993	<2	<2	<4	14	<2	<2	<40	<2	<2	<2	<2	3	<2	<40	<10	<20	<2	100	<2	<2	<2	<2
WCC-11S Dup	11/19/1993	<2	<2	<4	14	<2	<2	<40	<2	<2	<2	<2	3	<2	<40	<10	<20	<2	100	<2	<2	<2	<4
WCC-11S	2/23/1994	<2	<2	<4	16	<2	<2	<40	<2	<2	<2	<2	4	<2	<40	<10	<20	<2	100	<2	<2	<2	<2
WCC-11S	6/10/1994	<2	<2	<4	16	<2	<2	<40	<2	<2	<2	<2	4.8	<2	<40	<20	<20	<2	85	<2	<2	<6	<2
WCC-11S	9/8/1994	<2	<2	<4	20	<2	<2	<40	<2	<2	<2	<2	4.8	<2	<40	<10	<20	<2	140	<2	<2	<6	<2
WCC-11S Dup	9/8/1994	<2	<2	<4	19	<2	<2	<40	<2	<2	<2	<2	5.9	<2	<40	<10	<20	<2	120	<2	<2	<6	<2
WCC-11S	12/21/1994	<2	5.7	<4	26	<2	<2	<40	<2	<2	<2	<2	4.2	<2	<40	<10	<20	<2	130	10	<2	<4	<2
WCC-11S	3/13/1995	<2	<2	<4	16	<2	<2	<40	<2	<2	<2	<2	5.6	<2	<40	<10	<20	<2	100	<2	<2	<4	<2
WCC-11S	6/12/1995	<2	<2	<4	22	<2	<2	<40	<2	<2	<2	<2	6	<2	<40	<10	<20	<2	130	<2	<2	<2	<2
WCC-11S	9/6/1995	<5	<5	<5	31	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	190	<5	<5	<5	<5
WCC-11S Dup	9/6/1995	<5	<5	<5	30	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	200	<5	<5	<5	<5
WCC-11S	12/15/1995	<2	<2	<2	34	<2	<2	<2	<2	<2	<2	<2	5	<2		<2		<2	210	<2	<2	<4	<2
WCC-11S	3/1/1996	<5	<5	<5	30	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	170	<5	<5	<10	<5
WCC-11S	6/6/1996	<5	<5	<5	28	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	170	<5	<5	<5	<5
WCC-11S Dup	6/6/1996	<5	<5	<5	29	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	170	<5	<5	<5	<5
WCC-11S	9/19/1996	<5	<5	<5	22	<5	<5	<50	<5	<25	<5	<5	<5	<5	<50	<5	<50	<5	150	<5	<5	<5	<5
WCC-11S	12/18/1996	<2	<2	<2	28	<2	<2	<20	<2	<10	<2	<2	6.1	<2	<20	<2	<20	<2	170	<2	<2	<2	<2
WCC-11S	5/8/1997	<2.5	<2.5	<2.5	33	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	5.1	<2.5	<25	<2.5	<25	<2.5	170	<2.5	<2.5	<2.5	<2.5
WCC-11S	7/2/1997	<2.0	<2.0	<2.0	29	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	4.4	<2.0	<20	<2.0	<20	<2.0	160	<2.0	<2.0	<2.0	<2.0
WCC-11S	7/24/1997	<2.5	<2.5	<2.5	31	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	4.9	<2.5	<25	<2.5	<25	<2.5	150	10	<2.5	<2.5	<2.5
WCC-11S	8/5/1997	<2.5	<2.5	<2.5	33	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	5.2	<2.5	<25	<2.5	<25	<2.5	160	15	<2.5	<2.5	<2.5
WCC-11S	8/21/1997	<2.5	<2.5	<2.5	30	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	5	<2.5	<25	<2.5	<25	<2.5	150	<2.5	<2.5	<2.5	<2.5
WCC-11S	9/4/1997	<2.5	<2.5	<2.5	29	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	4.7	<2.5	<25	<2.5	<25	<2.5	140	21	<2.5	<2.5	<2.5
WCC-11S Dup	9/4/1997	<2.5	<2.5	<2.5	28	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	4.5	<2.5	<25	<2.5	<25	<2.5	150	19	<2.5	<2.5	<2.5
WCC-11S	9/17/1997	<2.5	<2.5	<2.5	29	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	4.9	<2.5	<25	<2.5	<25	<2.5	160	19	<2.5	<2.5	<2.5
WCC-11S	9/28/1998	<1	2.1	<1	51	<1	<1		<1	<1	<1	<1	<1	<1		<5		<1	230	<1	<1	<2	<1
WCC-11S	10/21/1998	<1	<1	<1	35	<1	<1		<1	<1	<1	<1	2	<1		<5		<1	140	<1	<1	<2	<1
WCC-11S	3/4/1999	<0.5	<0.5	<0.5	22	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	6.9	<0.5		<2.5		<0.5	120	<0.5	<0.5	<1	<0.5
WCC-11S	7/14/1999	<0.5	<0.5	<0.5	38	<0.5	<0.5		<0.5	<0.5	1.1	2.8	1.2	<0.5		<2.5		3.1	170	<0.5	<0.5	<1	<0.5
WCC-11S	6/22/2000	<0.5	<0.5	<0.5	24	<0.5			<0.5	<0.5	<0.5	<0.5	11	<0.5		<2.5		<0.5	110	<0.5	<0.5	<1.0	<0.5
WCC-11S	1/23/2001	0.45 J	<1	<1	13	<0.5	<1	<10	<1	<1	<0.5	0.22	9	0.32 J	<5	<1	<5	<1	64	2.3	<1	<1	<2
WCC_11S	3/22/2002	0.38J	<1	<1	16	<0.5	<1	<10	<1	<1	<0.5	<1	14	<1	<5	<1		<1	72	6	<1	<1	<2
WCC-12S	11/18/1991		17		300														900				
WCC-12S	6/16/1992	<5	<5		250			<10	<5			<5	<5	<5	<10		<10		660	<5			
WCC-12S Dup	6/16/1992	<5	<5		260			<10	<5			<5	<5	<5	<10		<10		710	<5			
WCC-12S	9/22/1992	7	1	<1	130	<1	<1	<5	<1	<1	<1	3	3	<1	<5	7	<5	<1	500	<1	<1	<1	4
WCC-12S	12/8/1992	<5	<5	<5	160	<5	<5	<30	<5	<5	<5	<5	5	<5	<30	20	<30	<5	550	<5	<5	<5	<5
WCC-12S	3/17/1993	7	<2	<2	100	<2	<2	<10	<2	<5	<5	3	4	8	<10	<10	<5	<2	410	<2	<2	<2	<5
WCC-12S	6/7/1993	2	<2	<4	130	<2	<2	<40	<2	<2	<2	<2	5	<2	<40	<4	<20	<2	370	<2	<2	<2	<2
WCC-12S	8/25/1993	<4	<4	<8	100	<4	<4	<80	<4	<4	<4	<4	<4	<4	<80	<8	<40	<4	390	9	<4	<4	<4
WCC-12S	11/19/1993	9	<2	<4	45	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	220	<2	<2	<2	<2
WCC-12S	2/24/1994	7.7	<2	<4	89	<2	<2	<40	<2	<2	<2	<2	2.9	<2	<40	<10	<20	<2	270	<2	<2	<2	<2
WCC-12S Dup	2/24/1994	7.7	<2	<4	77	<2	<2	<40	<2	<2	<2	<2	3.3	<2	<40	<10	<20	<2	220	<2	<2	<2	<2
WCC-12S	6/13/1994	15	<2	<4	84	<2	<2	<40	<2	<2	<2	2.2	2.6	<2	<40	<10	<20	<2	270	<2	<2	<6	<2
WCC-12S	9/9/1994	<2	<2	<4	97	<2	<2	<40	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	160	<2	<2	<6	<2
WCC-12S	12/22/1994	17	<2	<4	52	<2	<2	<40	<2	<2	<2	<2	2.1	<2	<40	<10	<20	<2	190	<2	<2	<4	<2
WCC-12S	3/14/1995	18	<2	<4	53	<2	<2	<40	<2	<2	<2	2.9	<2	<2	<40	<10	<20	<2	230	<2	<2	<4	<2
WCC-12S	6/12/1995	28	<2	<4	72	<2	<2	<40	<2	<2	<2	3.2	<2	<2	<40	<10	<20	<2	330	<2	<2	<2	<2
WCC-12S	9/6/1995	32	<5	<5	60	<5	<5	<10	<5	33	<5	<5	<5	<5	<10	<5	<10	<5	300	<5	<5	<5	<5
WCC-12S	12/15/1995	10	<2	<2	44	<2	<2	<2	<2	<2	<2	2	3	<2		<2		<2	140	<2	<2	<4	<2
WCC-12S	3/1/1996	13	<5	<5	47	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	150	<5	<5	<10	<5
WCC-12S	6/7/1996	12	<5	<5	37	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	140	<5	<5	<5	<5
WCC-12S	9/19/1996	15	<2	<2	48	<2	<2	<20	<2	<10	<2	2.2	2.5	<2	<20	<2	<20	<2	150	<2	<2	<2	<2
WCC-12S	12/18/1996	16	<2	<2	43	<2	<2	<20	<2	<10	<2	2	2.5	<2	<20	<2	<20	<2	150	<2	<2	<2	<2
WCC-12S	5/8/1997	16	<2.5	<2.5	47	<2.5	<2.5	<25	<2.5	<12	<2.5	<2.5	2.6	<2.5	<25	<2.5	<25	<2.5	150	<2.5	<2.5	<2.5	<2.5
WCC-12S	7/2/1997	14	<2.0	<2.0	38	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	2.4	<2.0	<20	<2.0	<20	<2.0	130	<2.0	<2.0	<2.0	<2.0

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well		Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-12S	Dup	7/2/1997	14	<2.0	<2.0	38	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	2.4	<2.0	<20	<2.0	<20	<2.0	130	<2.0	<2.0	<2.0	<2.0
WCC-12S		7/23/1997	14	<2.0	<2.0	34	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	2.2	<2.0	<20	<2.0	<20	<2.0	140	9.2	<2.0	<2.0	<2.0
WCC-12S		8/6/1997	14	<2.0	<2.0	42	<2.0	<2.0	<20	<2.0	<10	<2.0	<2.0	2.8	<2.0	<20	<2.0	<20	<2.0	140	20	<2.0	<2.0	<2.0
WCC-12S		8/21/1997	13	<2.0	<2.5	39	<2.5	<2.5	<25	<2.0	<12	<2.5	2	2.4	<2.0	<20	<2.5	<20	<2.5	120	<2.0	<2.5	<2.5	<2.5
WCC-12S		9/4/1997	18	<2.5	<2.5	37	85	<2.5	<25	<2.5	<12	<2.5	<2.5	2.9	<2.5	<25	2.7	<25	4.7	130	20	<2.5	<2.5	<2.5
WCC-12S		9/17/1997	13	<2.5	<2.5	40	13	<2.5	<25	<2.5	<12	<2.5	<2.5	3	<2.5	<25	<2.5	<25	<2.5	150	27	<2.5	<2.5	<2.5
WCC-12S	Dup	9/17/1997			<2.5		<2.5	<2.5	<25		<12	<2.5					<2.5		<2.5			<2.5	<2.5	<2.5
WCC-12S		9/23/1998	130	<2.5	<2.5	120	130	<2.5		<2.5	<2.5	<2.5	10	3.8	<2.5	<25	<12.5	<25	3.2	600	<2.5	<2.5	<5	<2.5
WCC-12S	Dup	9/23/1998	11	<2.5		34				<2.5			<2.5	<2.5	<2.5	<25		<25		120	23			
WCC-12S		10/21/1998	110	<2.5	<2.5	120	110	<2.5		<2.5	<2.5	<2.5	9	3	<2.5		<12.5		3	530	<2.5	<2.5	<5	<2.5
WCC-12S		3/2/1999	19	<0.5	<0.5	46	19	<0.5		<0.5	<0.5	<0.5	1.9	2.5	<0.5		<2.5		0.75	140	<0.5	<0.5	<1	<0.5
WCC-12S		7/13/1999	20	<0.5	<0.5	49	20	<0.5		<0.5	<0.5	<0.5	1.9	3	<0.5		<2.5		0.63	130	<0.5	<0.5	<1	<0.5
WCC-12S		6/21/2000	24	<0.5	<0.5	47	<0.5			<0.5	<0.5	<0.5	2.8	1.9	<0.5		<2.5		1	160	<0.5	<0.5	<1.0	<0.5
WCC-12S		1/22/2001	18	<2.5	<2.5	40	<1.2	<2.5	<25	<2.5	<2.5	<1.2	2	1.4 J	<2.5	<12	<2.5	<12	<2.5	130	4.9	<2.5	<2.5	<5
WCC_12S		3/25/2002	19	<2	<2	45	<1	<2	<20	<2	<2	<1	1.9J	8.7	<2	<10	<2		1.2J	140	1.8J	<2	<2	<4
DAC-P1		10/9/1989							<1,000															
DAC-P1		10/9/1989	<200	<200		<200				<200			85	<200	<200	<1,000		<1,000		17,000	<200			
DAC-P1		6/17/1992	<5	<5		<5			<30	<5			10	13	<5	<10		<10		21,000	<5			
DAC-P1		6/23/1992	<1	<1	9	4	<1	<1	<5	5	<1	4	54	71	1	<5	4	<5	13	28,000	<1	<1	<1	1
DAC-P1	Dup	6/23/1992	<1	<0.5	9	4	<1	<1	<5	5	<1	4	51	70	2	<5	4	<5	13	28,000	<1	<1	<1	1
DAC-P1		12/9/1992	<500	<500	<500	<300	<500	<500	<3,000	<500	<500	<500	<500	<500	<500	<3,000	2,000	<3,000	<500	29,000	<500	<500	<500	<500
DAC-P1		3/18/1993	<2	44	5	21	<2	<2	<10	5	<5	<5	44	68	2	<10	<10	7	10	21,000	260	<2	<2	<5
DAC-P1		6/8/1993	<100	<100	<200	<200	<100	<100	<2,000	<100	<100	<100	<100	<100	<100	<2,000	<200	<1,000	<100	28,000	130	<100	<100	<100
DAC-P1		8/25/1993	<200	<200	<400	<400	<200	<200	<4,000	<200	<200	<200	<200	<200	<200	<4,000	<400	<2,000	<200	27,000	300	<200	<200	<200
DAC-P1		11/19/1993	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	52	81	<20	<400	<100	<200	<20	24,000	<20	<20	<20	<20
DAC-P1		2/24/1994	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	47	89	<20	<400	<100	<200	<20	20,000	<20	<20	<20	<20
DAC-P1		6/13/1994	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	46	92	<20	<400	<100	<200	<20	20,000	<20	<20	<60	<20
DAC-P1		9/9/1994	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<200	<4,000	<1000	<2,000	<200	18,000	<200	<200	<600	<200
DAC-P1		12/22/1994	<200	<200	<400	<400	<200	<200	<4,000	<200	<200	<200	<200	<200	<200	<4,000	<1,000	<2,000	<200	11,000	<200	<200	<400	<200
DAC-P1		3/14/1995	<200	<200	<400	<400	<200	<200	<4,000	<200	<200	<200	<200	<200	<200	<4,000	<1,000	<2,000	<200	21,000	<200	<200	<400	<200
DAC-P1		6/13/1995	<200	<200	<400	<400	<200	<200	<4,000	<200	<200	<200	<200	<200	<200	<4,000	<1,000	<2000	<200	18,000	<200	<200	<200	<200
DAC-P1		9/7/1995	<5	<5	<5	12	<5	<5	<10	<5	<5	<5	33	89	<5	<10	<5	<10	17	13,000	53	<5	<5	<5
DAC-P1		12/16/1995	2	38	4	120	<2	<2	<2	5	<2	<2	45	130	5		<2		11	20,000	680	<2	<4	<2
DAC-P1		3/4/1996	<100	<100	<100	100	<100	<100	<200	<100	<100	<100	<100	100	<100	<200	<100	<200	<100	15,000	260	<100	<200	<100
DAC-P1	Dup	3/4/1996			<100		<100	<100	<200		<100	<100					<100		<100			<100	<200	<100
DAC-P1		6/7/1996	<50	<50	<50	190	<50	<50	<100	<50	<50	<50	<50	95	<50	<100	<50		<50	13,000	490	<50	<50	<50
DAC-P1	Dup	6/7/1996	<25	45	<25	180	<25	<25	<50	<25	<25	<25	29	95	<25	<50	<25		<25	12,000	490	<25	<25	<25
DAC-P1		9/19/1996	<250	<250	<250	350	<250	<250	<2500	<250	<1,200	<250	<250	<250	<250	<2,500	<250	<2,500	<250	15,000	740	<250	<250	<250
DAC-P1		12/19/1996	<500	<500	<500	<500	<500	<500	<5,000	<500	<2,500	<500	<500	<500	<500	<5,000	<500	<5,000	<500	15,000	610	<500	<500	<500
DAC-P1		5/9/1997	<250	<250	<250	<250	<250	<250	<2,500	<250	<1,200	<250	<250	<250	<250	<2,500	<250	<2,500	<250	15,000	<250	<250	<250	<250
DAC-P1		7/8/1997	<250	<250	<250	<250	<250	<250	<2,500	<250	<1,200	<250	<250	<250	<250	<2,500	<250	<2,500	<250	13,000	450	<250	<250	<250
DAC-P1		7/24/1997	<50	<50	<50	<50	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	3,200	110	<50	<50	<50
DAC-P1		8/6/1997	<250	<250	<250	<250	<250	<250	<2,500	<250	<1,200	<250	<250	<250	<250	<2,500	<250	<2,500	<250	15,000	460	<250	<250	<250
DAC-P1		8/22/1997	<250	<250	<250	470	<250	<250	<2,500	<250	<1,200	<250	<250	<250	<250	<2,500	<250	<2,500	<250	17,000	1300	<250	<250	<250
DAC-P1		9/5/1997	<250	<250	<250	270	<250	<250	<2,500	<250	<1,200	<250	<250	<250	<250	<2,500	<250	<2,500	<250	15,000	810	<250	<250	<250
DAC-P1		9/18/1997	<250	<250	<250	<250	<250	<250	2,900	<250	<1,200	<250	<250	<250	<250	<2,500	<250	<2,500	<250	14,000	540	<250	<250	<250
DAC-P1		4/8/1999	<50	<50	<50	<50	<50	<50		<50	<50	<50	<50	69	<50		<250		<50	14,000	<50	<50	<100	<50
DAC-P1		7/16/1999	<125	<125	<125	<125	<125	<125		<125	<125	<125	<125	<125	<125		670		<125	18,000	<125	<125	<250	<125
DAC-P1		6/26/2000	<50	<50	<50	<50	<50	<50		<50	<50	<50	<50	79	<50			<50	<50	14,000	<50	<50	<100	<50
DAC-P1		1/18/2001	<250	<250	<250	<200	<120	<250	<250	<250	370	<120	<250	<250	<250	<1200	<250	<1200	<250	10,000	<250	<250	<250	<500
DAC_P1		3/27/2002	<250	<250	<250	<250	<120	<250	<2500	<250	<250	<120	<250	170J	<250	<1200	<250		<250	17,000	<250	<250	<250	<500
TMW-1		7/15/1998	<5	12	<5	900	<5	<5		<5	<5	<5	7.1	<5	<5		<25		<5	540	<5	<5	<10	22
TMW-1		9/22/1998	<5	5.6	<5	730	<5	<5		<5	<5	<5	5.4	<5	<5		<25		<5	410	<5	<5	<10	<5
TMW-1		10/19/1998	<2.5	4	<2.5	670	<2.5	<2.5		<2.5	<2.5	<2.5	4.7	<2.5	<2.5		<12.5		<2.5	370	<2.5	<2.5	<5	23
TMW-1		3/5/1999	<1.25	1.3	<1.25	330	<1.25	<1.25		<1.25	<1.25	<1.25	4.7	<1.25	<1.25		<6.25		<1.25	320	<1.25	<1.25	<2.5	18
TMW-1		7/15/1999	<2.5	<2.5	<2.5	600	<2.5	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<12.5		<2.5	340	<2.5	<2.5	<5.0	14
TMW-1		6/23/2000	<2.5	<2.5	<2.5	340	<2.5			<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<13		<2.5	350	<2.5	<2.5	<5.0	19
TMW-1		1/29/2001	<5	<5	<5	140	<2.5	<5	<50	<5	<5	<2.5	4.3	<5	<5	<25	<5	<25	<5	380	5.3	<5	<5	26
TMW-1		7/18/2001	0	<1	<1	240	<0.5	<1	<10	<1	<1	<0.5	3.2	0.32	0.49	<5	0.66	<5	2	360	14	<1	<1	14
TMW_1		3/25/2002	<12	<12	<12	24	<6.2	<12	<120	<12	<12	<6.2	<12	<12	<12	<62	<12		<12	460	12	<12	<12	18J
TMW-2		7/15/1998	<250	6,900	<250	36,000	<250	<250		<250	<250	<250	350	710	630		<1250		<250	34,000	<250	<250	<500	<250
TMW-2		9/23/1998	1,500	5,600	<250	34,000	1500	<250		<250	<250	<250	290	770	650		<1250		<250	31,000	<250	<250	<500	<250
TMW-2		10/20/1998	1,600	5,100	<125	33,000	1600	<125		<125	<125	<125	270	810	700		<625		<125	32,000	<125	<125	<250	<125
TMW-2		3/6/1999	1,600	4,300	<125	39,000	1600	<125		<125	<125	<125	250	660	600		<625		<125	36,000	<125	<125	<250	<125

BOE-C6-0002956

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TMW-2	7/16/1999	1900	2700	<125	43,000	1900	<125		<125	<125	<125	280	1,000	930		670		<125	32,000	<125	<125	<250	<125
TMW-2	6/26/2000	1400	1900	<100	28,000	<100			<100	<100	<100	230	850	580		<500		<100	28,000	480	<100	<200	<100
TMW-2	2/3/2001	1400	960	<250	24,000	74 J	<250	<250	<250	<250	<120	170	1,000	510	18,000	51 J	<1200	<250	21,000	960	<250	<250	<500
TMW-2	7/18/2001	1,400	1,100	53	30,000	93	<100	<1,000	56	<100	<50	170	4,300	590	75,000	34	760	<100	20,000	2,800	<100	<100	<200
TMW_2	3/26/2002	1200	650	<250	20,000	<120	<250	<2500	<250	<250	<120	110J	7,800	420	<1200	<250		<250	11,000	1700	<250	<250	<500
TMW-3	7/31/1998	<50	<50	<50	200	<50	<50		<50	<50	<50	<50	<50	<50		<250		<50	8,100	<50	<50	<100	<50
TMW-3	9/22/1998	<100	<100	<100	150	<100	<100		<100	<100	<100	<100	<100	<100		<500		<100	12,000	<100	<100	<200	<100
TMW-3	10/20/1998	<50	<50	<50	330	<50	<50		<50	<50	<50	<50	<50	<50		<250		<50	9,900	<50	<50	<100	<50
TMW-3	3/5/1999	<50	<50	<50	210	<50	<50		<50	<50	<50	<50	<50	<50		<250		<50	8,200	<50	<50	<100	<50
TMW-3	7/15/1999	<50	<50	<50	340	<50	<50		<50	<50	<50	<50	<50	<50		<250		<50	7,800	<50	<50	<100	<50
TMW-3	6/22/2000	<10	<10	<10	96	<10			<10	<10	<10	<10	12	<10		<50		<10	3,500	<10	<10	<20	<10
TMW-3	1/29/2001	<50	<50	<50	76	<25	<50	<500	<50	<50	<25	<50	<50	<50	<250	<50	<250	<50	2,200	20 J	<50	<50	<100
TMW-3	7/19/2001	22	<50	24	350	<25	<50	<500	<50	<50	<25	<50	42	<50	<250	<50	<250	<50	8,800	20	<50	<50	<100
TMW_3	3/26/2002	15J	<50	<50	140	<25	<50	<500	<50	<50	<25	<50	<50	<50	<250	<50		<50	4,000	<50	<50	<50	<100
TMW-4	7/14/1998	55	<25	43	1,500	<25	<25		<25	<25	<25	<25	110	66		<125		<25	2,300	<25	<25	<50	<25
TMW-4	9/22/1998	47	19	28	1,800	47	<10		<10	<10	<10	21	83	58		<50		<10	2,600	<10	<10	<20	<10
TMW-4	10/20/1998	56	22	29	2,400	56	<10		10	<50	<10	20	98	73		<50		<10	2,900	<10	<10	<20	<10
TMW-4	3/4/1999	<50	<50	<50	2,000	<50	<50		<50	<50	<50	<50	64	54		<250		<50	2,900	<50	<50	<100	<50
TMW-4	7/15/1999	42	10	10	2,500	23	<10		<10	<10	<10	30	77	64		75		<10	2,500	<10	<10	<20	<10
TMW-4	6/22/2000	22	<5.0	<5	890	15			<5	<5.0	<5	17	39	27		<25		<5	1,700	<5	<5	10	<5
TMW-4	1/29/2001	19 J	<50	<50	1,100	12 J	<50	<500	<50	<50	<25	14	29 J	21 J	<250	<50	<250	<50	2,000	<50	<50	<50	<100
TMW-4	7/17/2001	12	<5	6.1	850	7.1	<5	<50	<5	<5	<2.5	12	22	15	<25	1.6	<25	<5	1,800	4.9	<5	<5	<10
TMW_4	3/26/2002	18J	<25	<25	720	10J	<25	<250	<25	<25	<12	11J	36	21J	<120	<25		<25	1,900	<25	<25	<25	<50
TMW-5	7/14/1998	<25	<25	<25	460	<25	<25		<25	0.25	<25	<25	<25	<25		<125		<25	3,700	<25	<25	<50	<25
TMW-5	9/22/1998	<12.5	<12.5	<12.5	470	<12.5	<12.5		<12.5	<12.5	<12.5	24	<12.5	<12.5		<62.5		<12.5	3,500	<12.5	<12.5	<25	<12.5
TMW-5	10/19/1998	<25	<25	<25	530	<25	<25		<25	<25	<25	28	<25	<25		<125		<25	5,000	<25	<25	<50	<25
TMW-5	3/4/1999	<50	<50	<50	500	<50	<50		<50	<50	<50	4,500	<50	<50		<250		<50	<50	<50	<50	<100	<50
TMW-5	7/14/1999	<50	<50		710				<50			<50	<50	<50					4,300	<50			
TMW-5	7/15/1999	<2.5	<2.5	<2.5	9	<2.5	<2.5		<2.5	<2.5	<2.5	560	<2.5	<2.5		<12.5		<2.5	130	<2.5	<2.5	<2.5	<2.5
TMW-5	6/22/2000	<13	<13	<13	650	<13			<13	<13	<13	<13	<13	<13		<63		<13	4,100	<13	<13	<25	<13
TMW-5	1/23/2001	<50	<50	<50	460	<25	<50	<500	<50	<50	<25	15	<50	<50	<250	<50	<250	<50	2,900	<50	<50	<50	<100
TMW-5	7/17/2001	5.8	<10	13	630	11	<10	<100	<10	<10	<5	19	7	<10	<50	<10	<50	<10	4,700	20	<10	<10	<20
TMW_5	3/26/2002	<50	<50	<50	250	<25	<50	<500	<50	<50	<25	20J	<50	<50	<250	<50		<50	3,900	<50	<50	<50	<100
TMW-6	7/14/1998	<2.5	<2.5	<2.5	26	<2.5	<2.5		<2.5	<2.5	<2.5	550	3.4	<2.5		<12.5		<2.5	490	<2.5	<2.5	<5.0	<2.5
TMW-6	9/22/1998	<2.5	<2.5	<2.5	11	<2.5	<2.5		<2.5	<2.5	<2.5	630	<2.5	<2.5		<12.5		<2.5	240	<2.5	<2.5	<5.0	<2.5
TMW-6	10/19/1998	<2.5	<2.5	<2.5	11	<2.5	<2.5		<2.5	<2.5	<2.5	500	<2.5	<2.5		<12.5		<2.5	210	<2.5	<2.5	<5.0	<2.5
TMW-6	3/4/1999	<2.5	<2.5	<2.5	8	<2.5	<2.5		<2.5	<2.5	<2.5	630	<2.5	<2.5		<12.5		<2.5	170	<2.5	<2.5	<5.0	<2.5
TMW-6	6/22/2000	<2.5	<2.5	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5	100	<2.5	<2.5		13		<2.5	540	<2.5	<2.5	<5.1	<2.5
TMW-6	1/29/2001	<5	<5	<5	7	<2.5	<5	<50	<5	<5	<2.5	270	<5	<5	<25	<5	<25	<5	81	14	<5	<5	<10
TMW-6	7/17/2001	0.23	<1	<1	4.1	<0.5	<1	<10	<1	<1	<0.5	250	<1	<1	<5	<1	<5	<1	55	15	<1	<1	<2
TMW_6	3/26/2002	<2	<2	<2	6.3	<1	<2	<20	<2	<2	<1	130	1.6J	<2	<10	<2		<2	160	<2	<2	<2	<4
TMW-7	7/14/1998	73	20	29	3,000	73	<12.5		40	<12.5	<12.5	26	120	83		<62.5		<12.5	3,500	<12.5	<12.5	<25	<12.5
TMW-7	9/22/1998	36	<12.5	17	1,700	36	<12.5		19	<12.5	<12.5	13	70	48		<62.5		<12.5	2,700	<12.5	<12.5	<25	<12.5
TMW-7	10/20/1998	44	<10	17	2,400	44	<10		23	<10	<10	14	89	65		<50		<10	3,000	<10	<10	20	<10
TMW-7	3/5/1999	41	<12.5	14	2,200	41	<12.5		16	<12.5	<12.5	13	75	54		<62.5		<12.5	2,900	<12.5	<12.5	<25	<12.5
TMW-7	7/15/1999	36	<12.5	<12.5	2,100	36	<12.5		13	<12.5	<12.5	13	69	57		110		<12.5	2,500	<12.5	<12.5	<25	<12.5
TMW-7	6/23/2000	<10	<10	<10	850	<10			<10	<10	<10	<10	34	24		<50		<10	2,000	<10	<10	<20	<10
TMW-7	1/22/2001	14 J	<25	<25	640	<12	<25	<250	<25	<25	<12	5.5	26	17 J	<120	<25	<120	<25	1,700	17 J	<25	<25	<50
TMW-7	7/18/2001	10	<5	4.8	560	5.2	<5	<50	<5	<5	<2.5	4.3	21	12	<25	<5	<25	<5	1,800	5.6	<5	<5	<10
TMW_7	3/26/2002	7.5J	<25	<25	200	<12	<25	<250	<25	<25	<12	<25	21J	<25	<120	<25		<25	1,600	<25	<25	<25	<50
TMW-8	7/15/1998	96	37	37	7,000	96	<25		62	<25	<25	38	140	120		<125		<25	5,700	<25	<25	<50	<25
TMW-8	9/22/1998	31	<12.5	<12.5	2,000	31	<12.5		23	<12.5	<12.5	14	54	40		<62.5		<12.5	2,600	<12.5	<12.5	<25	<12.5
TMW-8	10/20/1998	18	<10	<10	1,300	18	<10		13	<10	<10	<10	32	25		<50		<10	2,100	<10	<10	<20	<10
TMW-8	3/5/1999	52	<12.5	18	3,800	52	<12.5		38	<12.5	<12.5	21	93	71		<62.5		<12.5	3,900	<12.5	<12.5	<25	<12.5
TMW-8	7/15/1999	52	<12.5	13	3,500	52	<12.5		27	<12.5	<12.5	16	92	74		<62.5		<12.5	3,000	<12.5	<12.5	<25	<12.5
TMW-8	6/23/2000	45	<13	13	2,300	22			23	<13	<13	<13	81	56		<63		<13	2,900	<13	<13	<25	<13
TMW-8	1/25/2001	39 J	<50	<50	2,189	<25	<50	<500	<50	<50	<25	<50	63	51	<250	<50	<250	<50	2,500	18 J	<50	<50	<100
TMW-8	7/18/2001	35	<10	7	2,200	9	<10	<100	13	<10	<5	6.4	78	50	<50	<10	<50	<10	2,500	26	<10	<10	<20
TMW_8	37,342	42J	<50	<50	3,100	<25	<50	<500	17J	<50	<25	<50	72	55	<250	<50		<50	3,600	<50	<50	<50	<100

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TMW-9	7/14/1998	<1	<1	<1	24	<1	<1		<1	<1	<1	2.9	<1			<5		2.1	290	<1	<1	<2	<1
TMW-9	9/22/1998	<1	<1	<1	14	<1	<1		<1	<1	<1	2	<1	<1		<5		2.3	250	<1	<1	<1	<1
TMW-9	10/19/1998	<2.5	<2.5	<2.5	51	<2.5	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<12.5		3.5	420	<2.5	<2.5	<5	<2.5
TMW-9	3/4/1999	<5	<5	<5	110	<5	<5		<5	<5	<5	<5	<5	<5		<25		<5	760	<5	<5	<10	<5
TMW-9	7/14/1999	<5	<5	<5	290	<5	<5		<5	<5	<5	<5	<5	<5		<25		<5	1,200	<5	<5	<10	<5
TMW-9	6/23/2000	<5	<5	<5	220	<5			<5	<5.0	<5	<5	<5	<5		<25		<5	1,000	<5	<5	<10	<5
TMW-9	1/29/2001	<12	<12	<12	170	<6.2	<12	<120	<12	<12	<6.2	<12	<12	<12	<62	<12	<62	<12	850	19	<12	<12	<25
TMW_9	3/26/2002	<5	<5	<5	35	<2.5	<5	<50	<5	<5	<2.5	<5	9	<5	<25	<5		<5	260	<5	<5	<5	<10
TMW-10	3/3/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	4.2	<0.5	<0.5		<2.5		0.94	3.8	<0.5	<0.5	<1.0	0.51
TMW-10	7/13/1999	<0.5	<0.5	<0.5	1	<0.5	<0.5		<0.5	<0.5	<0.5	4.9	<0.5	<0.5		<2.5		1.3	4.4	<0.5	<0.5	<1.0	0.82
TMW-10	6/20/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	4.7	<0.5	<0.5		<2.5		1	4.1	<0.5	<0.5	<1.0	<0.5
TMW-10	1/19/2001	<12	<12	<12	<12.5	<6.2	<12	<120	<12	<12	<6.2	3.3	<12	<12	<62	<12	<62	<12	850	13	<12	<12	<25
TMW-10	5/10/2001	<1	1.7	<1	<1	<0.5	0.22 J	5.7 J	<1	<1	<0.5	2.7	<1	<1	<5	110 E		0.94 J	3.6	<1	<1	<1	1.2 J
TMW-10	7/18/2001	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	<0.5	2.3	<1	<1	<5	0.96	<5	0.83	3.6	<1	<1	<1	1.1
TMW_10	3/21/2002	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	<0.5	3	<1	<1	<5	<1		0.88J	3.7	5.5	<1	<1	1.2J
TMW-11	3/3/1999	<1.25	<1.25	<1.25	<1.25	99	<1.25		<1.25	<1.25	1.7	430	<1.25	<1.25		<6.25		1.9	21	<1.25	<1.25	<2.5	<1.25
TMW-11	7/13/1999	<1.25	<1.25	<1.25	2	<1.25	<1.25		<1.25	<1.25	1.7	450	<1.25	<1.25		<6.25		1.7	23	<1.25	<1.25	<2.5	<1.25
TMW-11	6/20/2000	<2.5	<2.5	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5	740	<2.5	<2.5		<13		<2.5	47	<2.5	<2.5	<2.5	<2.5
TMW-11	1/24/2001	<10	<10	<10	<10	<5	<10	<100	<10	<10	<5	720	<10	<10	<50	<10	<50	<10	21	13	<10	<10	<20
TMW-11	7/17/2001	<2	<2	<2	<2	<1	<2	<20	<2	<2	2	430	<2	<2	<10	0.75	<10	2.5	11	4.9	<2	<2	<4
TMW_11	3/22/2002	<5	<5	<5	<5	<2.5	<5	<50	<5	<5	3.3	340	<5	<5	<25	<5		5.7	7	<5	<5	<5	<10
TMW-12	3/3/1999	<10	<10	<10	20	<10	<10		<20	<10	<10	3,100	<10	<10		<50		15	700	<10	<10	<20	<10
TMW-12	7/13/1999	<10	<10	<10	32	<10	<10		<20	<10	<10	2,800	<10	<10		<50		<10	760	<10	<10	<20	<10
TMW-12	6/21/2000	<10	<10	<10	25	<10			<10	<10	<10	2,100	<10	<10		<50		13	440	<10	<10	<20	<10
TMW-12	1/22/2001	<25	<25	<25	18	<12	<25	<250	<25	<25	<12	1,500	<25	<25	<120	<25	<120	<25	310	<25	<25	<25	<50
TMW-12	7/17/2001	<5	<5	<5	16	<2.5	<5	<50	<5	<5	2.9	1,400	<5	<5	<25	<5	<25	12	170	7	<5	<5	<10
TMW_12	3/25/2002	<20	<20	<20	14J	<10	<20	<200	<20	<20	<10	1,200	<20	<20	<100	<20		<20	150	17J	<20	<20	<40
TMW-13	3/3/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	4.6	31	<0.5	<0.5		<2.5		5.8	120	<0.5	<0.5	<1.0	<0.5
TMW-13	7/13/1999	<0.5	<0.5	<0.5	1	<0.5	<0.5		<0.5	<0.5	4.5	29	<0.5	<0.5		<2.5		5.6	116	<0.5	<0.5	<1.0	<0.5
TMW-13	6/21/2000	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	3	14	<0.5	<0.5		<2.5		2.9	97	<0.5	<0.5	<1.0	<0.5
TMW-13	5/10/2001	<1	2.6	<1	<1	<1	<2	<20	<2	0.6 J	1.1	7.1	<1	<1	<10	61		<2	64	<1	<1	<2	<2
TMW-13	7/17/2001	<1	<1	<1	0.39	<0.5	<1	<10	<1	<1	1.2	11	<1	<1	<5	0.93	<5	2	72	<1	<1	<1	<2
TMW_13	3/22/2002	<1	<1	<1	0.31J	<0.5	<1	<10	<1	<1	1.2	8.7	<1	<1	<5	0.31J		3.2	74	<1	<1	<1	<2
TMW-14	3/3/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	3.8	4.6	<0.5	<0.5		<2.5		2.5	15	<0.5	<0.5	<1.0	<0.5
TMW-14	7/13/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	2.9	4.4	<0.5	<0.5		<2.5		1.8	13	<0.5	<0.5	<1.0	<0.5
TMW-14	6/21/2000	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	1.8	5.8	<0.5	<0.5		<2.5		1	10	1.3	0.57	1.8	<0.5
TMW-14	1/25/2001	<1	<1	<1	0.92 J	<0.5	<1	<10	<1	<1	1.1	5.4	<1	<1	<5	0.4 J	<5	<1	9.2	16	0.26 J	1.2	<2
TMW-14	7/18/2001	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	1.5	3.5	<1	<1	<5	1.2	<5	0.82	9.4	15	<1	<1	<2
TMW_14	3/22/2002	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	2	3.9	<1	<1	<5	<1		1.4	11	6.4	<1	<1	<2
TMW-15	3/3/1999	<0.5	<0.5	<0.5	1	<0.5	<0.5		<0.5	<0.5	<0.5	12	<0.5	<0.5		<2.5		<0.5	40	<0.5	<0.5	<1.0	<0.5
TMW-15	7/13/1999	<0.5	<0.5	<0.5	2	<0.5	<0.5		<0.5	<0.5	<0.5	11	<0.5	<0.5		<2.5		<0.5	39	<0.5	<0.5	<1.0	<0.5
TMW-15	6/22/2000	<0.5	<0.5	<0.5	2	<0.5			<0.5	<0.5	<0.5	11	<0.5	<0.5		<2.5		<0.5	35	<0.5	<0.5	1	<0.5
TMW-15	1/25/2001	<1	<1	<1	0.83 J	<0.5	<1	<10	<1	<1	<0.5	8.7	<1	<1	<5	0.39 J	<5	<1	29	15	0.46 J	1.8	<2
TMW-15	7/19/2001	<1	<1	<1	0.58	<0.5	<1	<10	<1	<1	<0.5	5.1	<1	<1	<5	0.74	<5	<1	25	17	<1	<1	<2
TMW_15	3/22/2002	<1	<1	<1	0.69J	<0.5	<1	<10	<1	<1	<0.5	5.2	2.2	<1	<5	<1		<1	30	9.8	<1	<1	<2
TMW-16	3/6/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2.5		2.1	4.5	<0.5	<0.5	<1.0	<0.5
TMW-16	7/16/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2.5		0.98	2.7	<0.5	<0.5	<1.0	<0.5
TMW-16	6/22/2000			<0.5		<0.5				<0.5	<0.5					<2.5		<0.5			<0.5	<1.0	<0.5
TMW-16	6/26/2000	<0.5	<0.5		3				<0.5			<0.5	<0.5	<0.5					2.9	6.2			
TMW-16	1/25/2001	<1	<1	<1	0.29 J	<0.5	<1	<10	<1	<1	<0.5	0.31	<1	<1	<5	<1	<5	1.1	2.5	12	0.63 J	2.3	<2
TMW_16	3/21/2002	<1	<1	<1	<1	<0.5	0.35J	4.7J	<1	<1	<0.5	0.47J	<1	<1	<5	<1		0.94J	1.6	1.1	<1	<1	<2
TMW-17	5/20/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	1.5	<0.5	<0.5		<2.5		<0.5	32	<0.5	<0.5	<1.0	<0.5
TMW-17	7/14/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	1.6	<0.5	<0.5		<2.5		<0.5	32	<0.5	<0.5	<1.0	<0.5
TMW-17	1/14/2000	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	1.6	<0.5	<0.5		<2.5		<0.5	25	<1.0	<0.5	<1.0	<0.5
BL-1	7/17/2001	<1	<1	<1	<1	<0.5	0.31	<10	0.77	<1	<0.5	<1	11	<1	<5	4.8	<5	<1	0.99	6.4	<1	<1	<2
BL-1 Dup	7/17/2001	0.35	<1	<1	<1	<0.5	0.32	<10	0.81	<1	<0.5	<1	12	<1	<5	6	<5	<1	1	6.9	<1	<1	<2

Table 5
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetra chloride	Chlorlo form	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichloro fluoro methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BL_3	3/26/2002	<12	<12	<12	<12	<6.2	<12	<120	<12	<12	<6.2	<12	<12	<12	<62	<12		**22**	**840**	<12	<12	<12	<25
XMW_09	3/21/2002	<25	<25	<25	<25	<12	<25	<250	<25	<25	<12	**1,400**	<25	<25	<120	<25		**55**	**30**	<25	<25	<25	<50
XMW_18	3/27/2002	<12	<12	<12	**14**	<6.2	<12	<120	<12	<12	<6.2	**7.5J**	<12	<12	<62	<12		<12	**1,100**	<12	<12	<12	<25
XMW_19	3/22/2002	<1	<1	<1	**0.58J**	<0.5	<1	<10	<1	<1	<0.5	**87**	**0.58J**	<1	<5	<1		**0.77J**	**10**	**0.62J**	<1	<1	<2

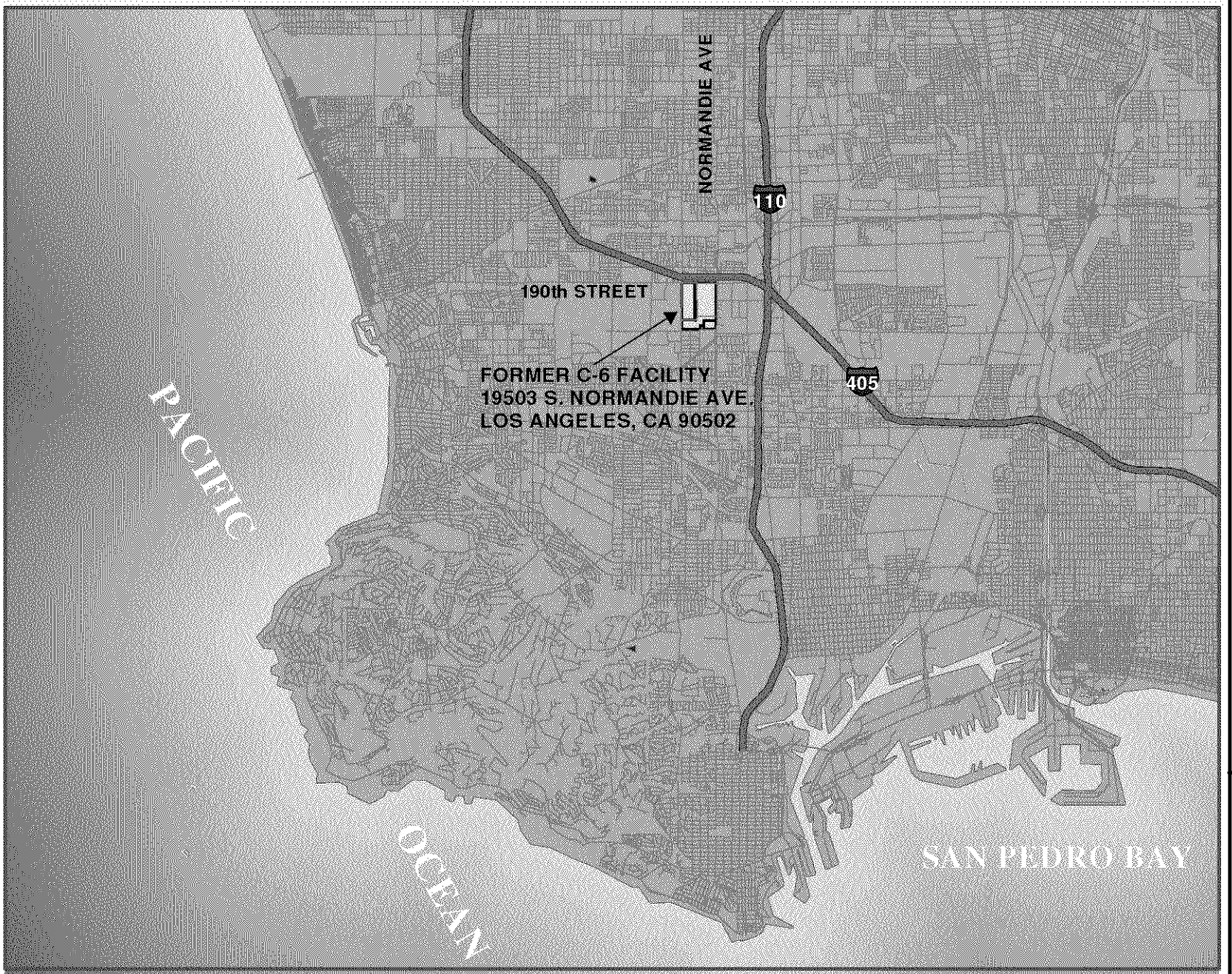
1,1-DCA - 1,1-Dichloroethane
1,1,1-TCA - 1,1,1-Trichloroethane
1,1,2-TCA - 1,1,2-Trichloroethane
1,1-DCE - 1,1-Dichloroethene
1,2-DCA - 1,2-Dichloroethene
cis-1,2-DCE - cis-1,2-Dichloroethene
MEK - methyl-ethyl-ketone
PCE - Tetrachloroethene
TCE - Trichloroethene

Table 6
Natural Attenuation Parameters - March 2002
Boeing Realty Corporation Former C-6 Facility

Well	Date Sampled	pH	Conductivity	Temperature	DO	ORP
			ms/cm	C	mg/L	mV
WCC-3S	3/21/2002	6.61	2.86	23.88	0.10	-182
WCC-3D	3/21/2002	7.48	0.805	23.08	0.00	-88
WCC-4S	3/26/2002	7.98	1.99	23.50	3.63	-11
WCC-5S	3/21/2002	6.98	1.37	23.19	4.83	61
WCC-6S	3/26/2002	7.89	2.20	24.00	2.12	-137
WCC-7S	3/25/2002	7.16	1.23	23.47	4.03	55
WCC-9S	3/22/2002	7.04	1.34	23.25	3.09	55
WCC-11S	3/22/2002	7.05	1.44	22.48	1.96	37
WCC-12S	3/25/2002	7.18	1.21	23.56	4.80	61
DAC-P1	3/27/2002	7.16	2.00	23.40	5.77	82
TMW-1	3/25/2002	6.93	5.20	23.47	6.32	98
TMW-2	3/26/2002	7.79	2.84	22.50	2.28	-113
TMW-3	3/26/2002	8.02	1.42	23.10	6.98	25
TMW-4	3/26/2002	8.02	1.84	23.00	6.01	33
TMW-5	3/26/2002	8.29	0.83	22.90	6.53	-4
TMW-6	3/26/2002	6.56	1.62	22.60	7.37	139
TMW-7	3/26/2002	8.05	1.74	23.30	4.90	63
TMW-8	3/26/2002	7.85	1.64	23.60	2.99	-52
TMW-9	3/26/2002	8.15	1.29	23.40	6.21	36
TMW-10	3/21/2002	7.17	1.54	23.85	5.14	26
TMW-11	3/22/2002	6.92	1.81	23.60	2.27	56
TMW-12	3/25/2002	6.81	1.98	24.50	2.22	27
TMW-13	3/22/2002	6.81	1.43	23.19	4.74	61
TMW-14	3/22/2002	6.79	3.30	23.43	5.26	38
TMW-15	3/22/2002	7.16	0.94	23.78	3.29	-83
TMW-16	3/21/2002	7.25	2.05	23.75	8.18	89
BL-3	3/26/2002	7.58	3.30	23.40	7.77	115
XMW-09	3/21/2002	6.60	1.81	23.53	0.25	36
XMW-18	3/26/2002	8.75	0.76	22.70	0.60	-200
XMW-19	3/22/2002	7.04	1.56	23.47	4.39	24

Notes:
DO = Dissolved Oxygen
ORP = Oxidation Reduction Potential

FIGURES



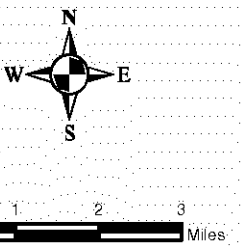
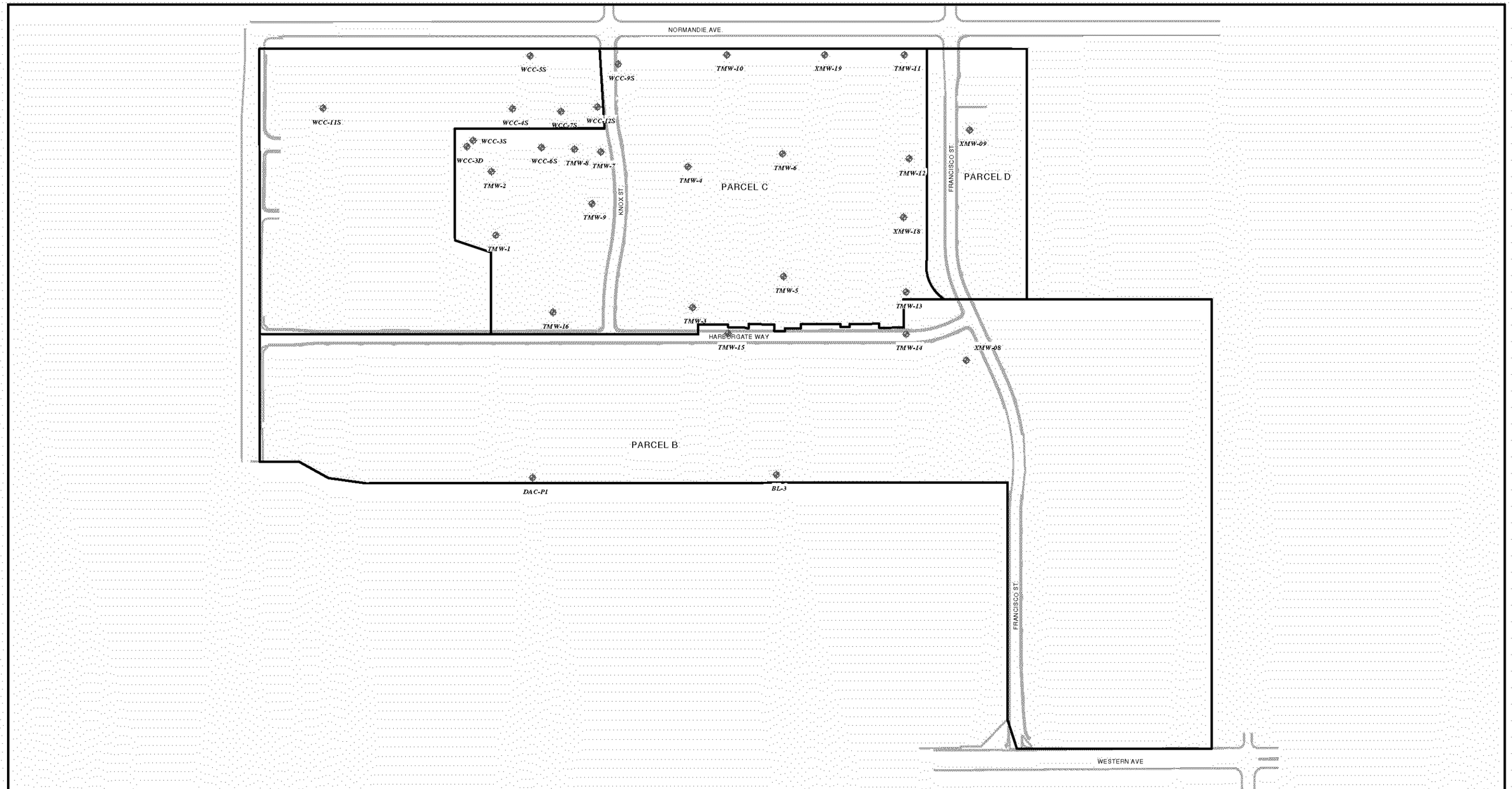


Figure 1
Site Location Map

Boeing Realty Corporation
Former C-6 Facility
Los Angeles, California

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Scale : As Shown	QA/QC :	Project : 27285
Drawn : DFM	Reviewed : SPZ	Date : 1 March 2002



Legend

TMW-1 Groundwater Monitoring Well

Parcel Boundary

Right Of Way (ROW)

N

All Dimensions and Locations Approximate

0 250 500 1,000 Feet

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

SITE PLAN SHOWING GROUNDWATER MONITORING WELL LOCATIONS
MARCH 2002

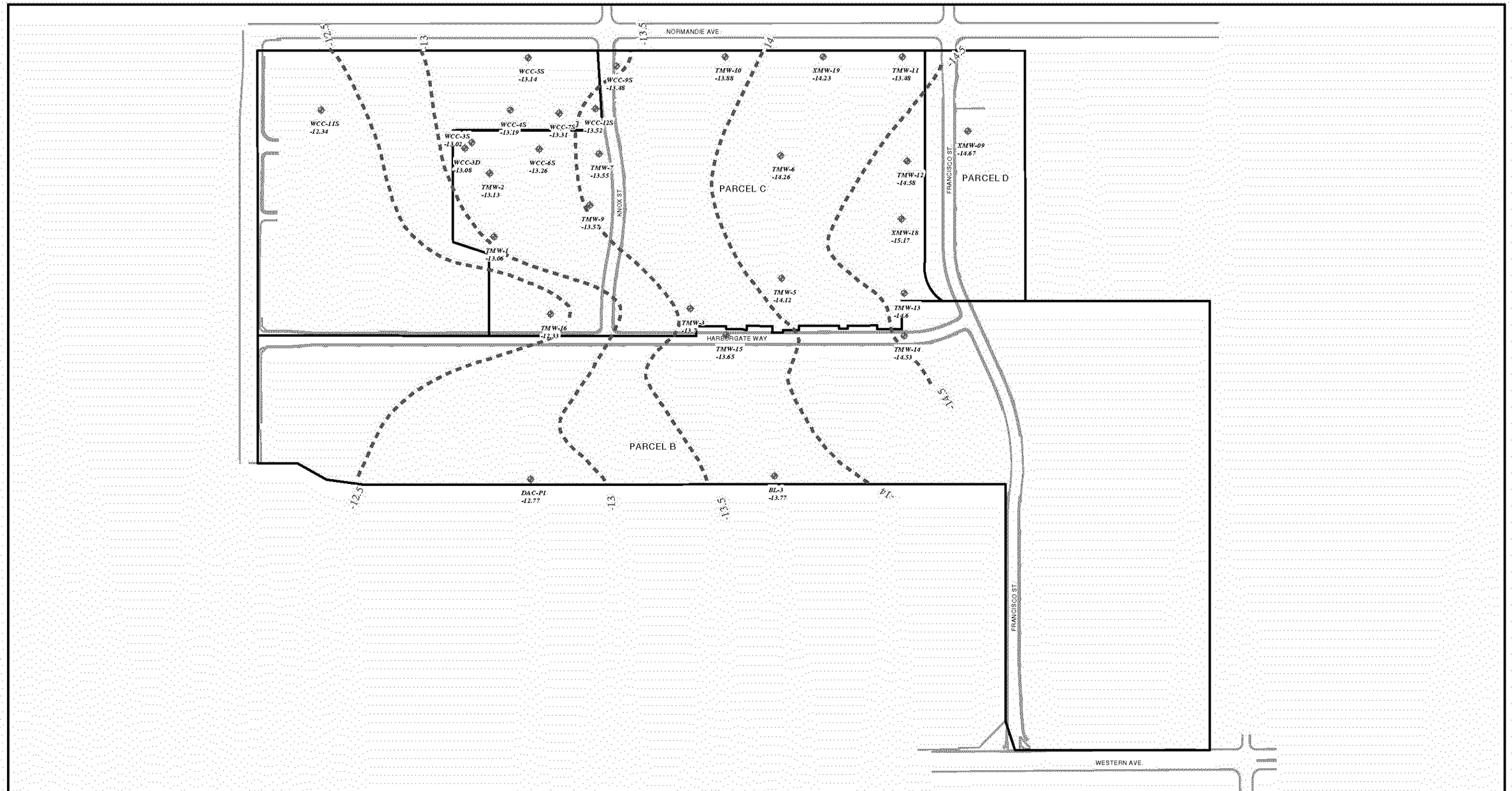
SCALE AS SHOWN

JUNE 2002

29125-002

FIGURE 2

BOE-C6-0002963



Legend

- TMW-1 -13.06 — Groundwater Monitoring Well with Elevation in Feet
- Parcel Boundary
- Right Of Way (ROW)
- Groundwater Elevation Contour (Feet)

Notes:

Only Measured Wells Shown

N

All Dimensions and Locations Approximate

0 250 500 1,000 Feet

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

GROUNDWATER ELEVATION MAP
MARCH 2002

SCALE AS SHOWN

JUNE 2002

29125-002

FIGURE 3

BOE-C6-0002964

FIGURE 4a - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

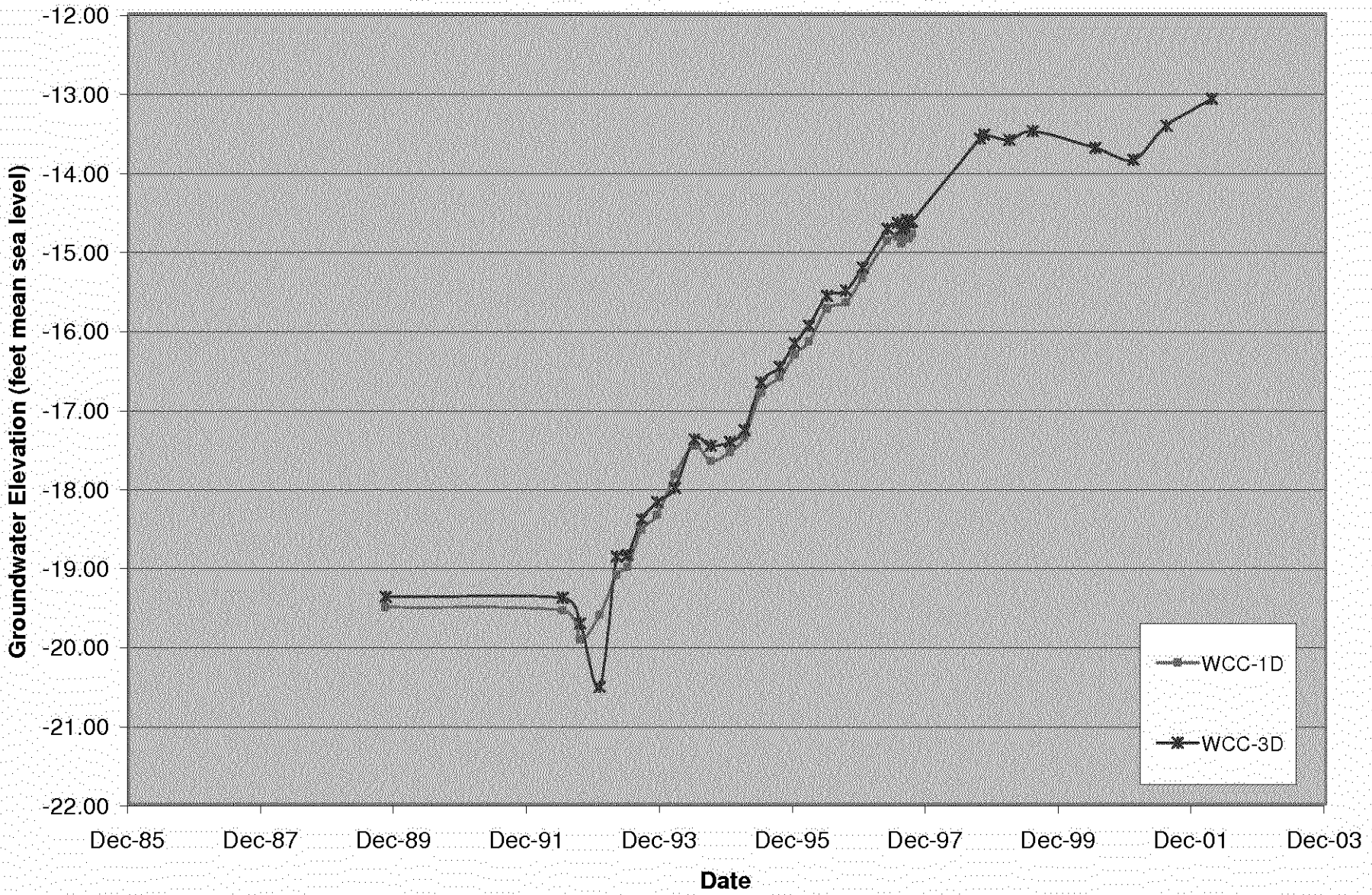


FIGURE 4b - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

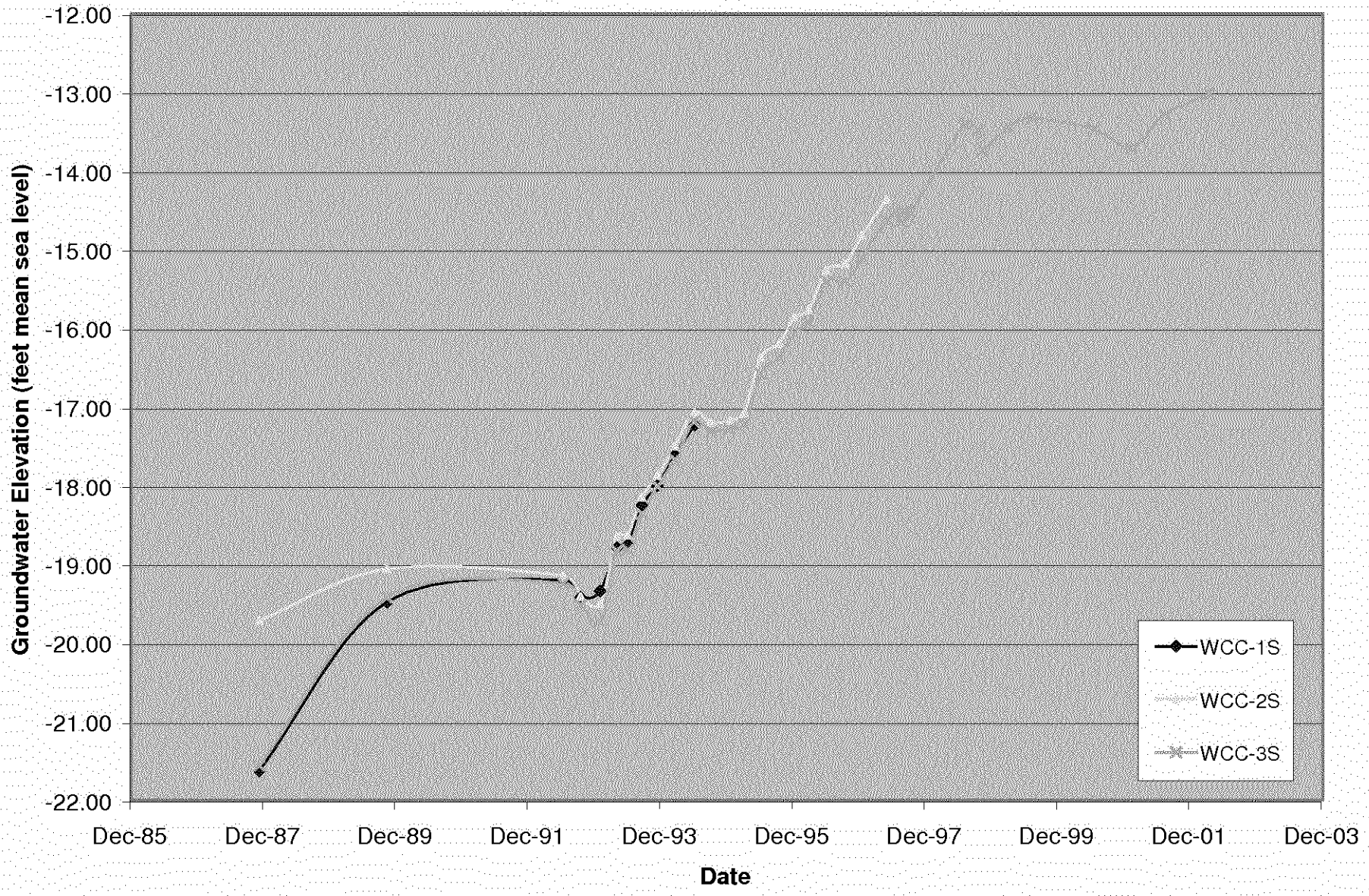


FIGURE 4c - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

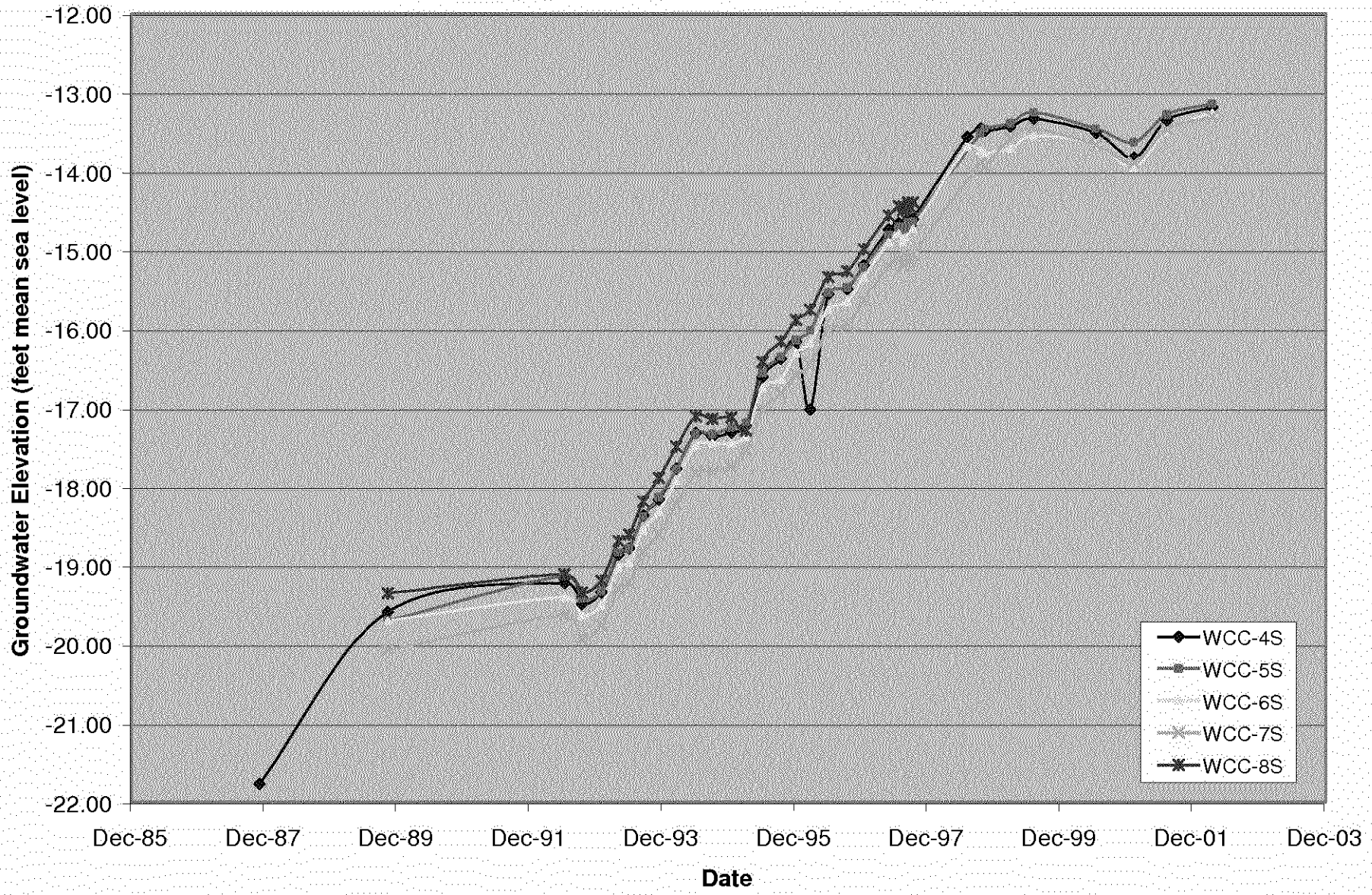


FIGURE 4d - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

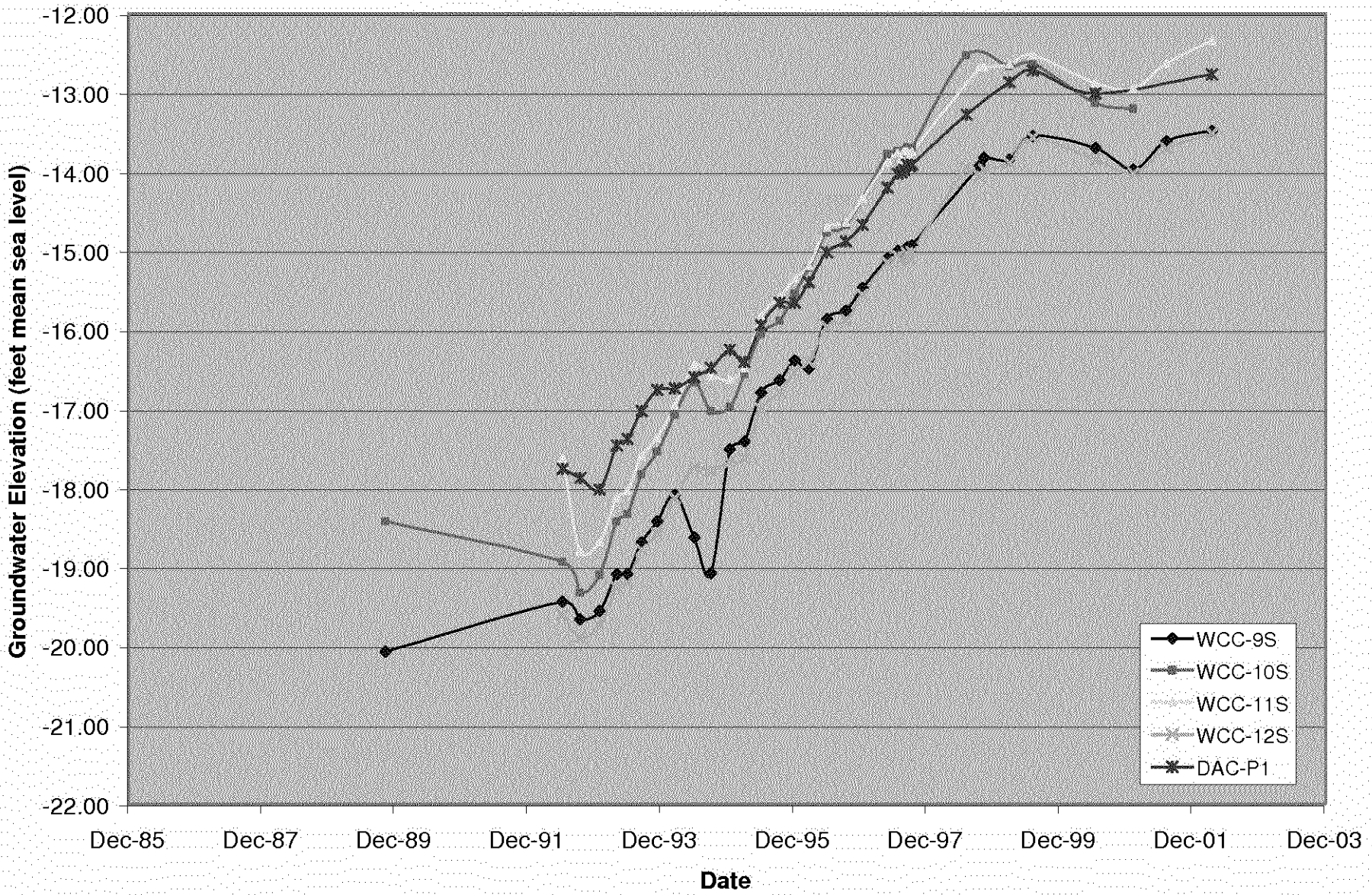


FIGURE 4e - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

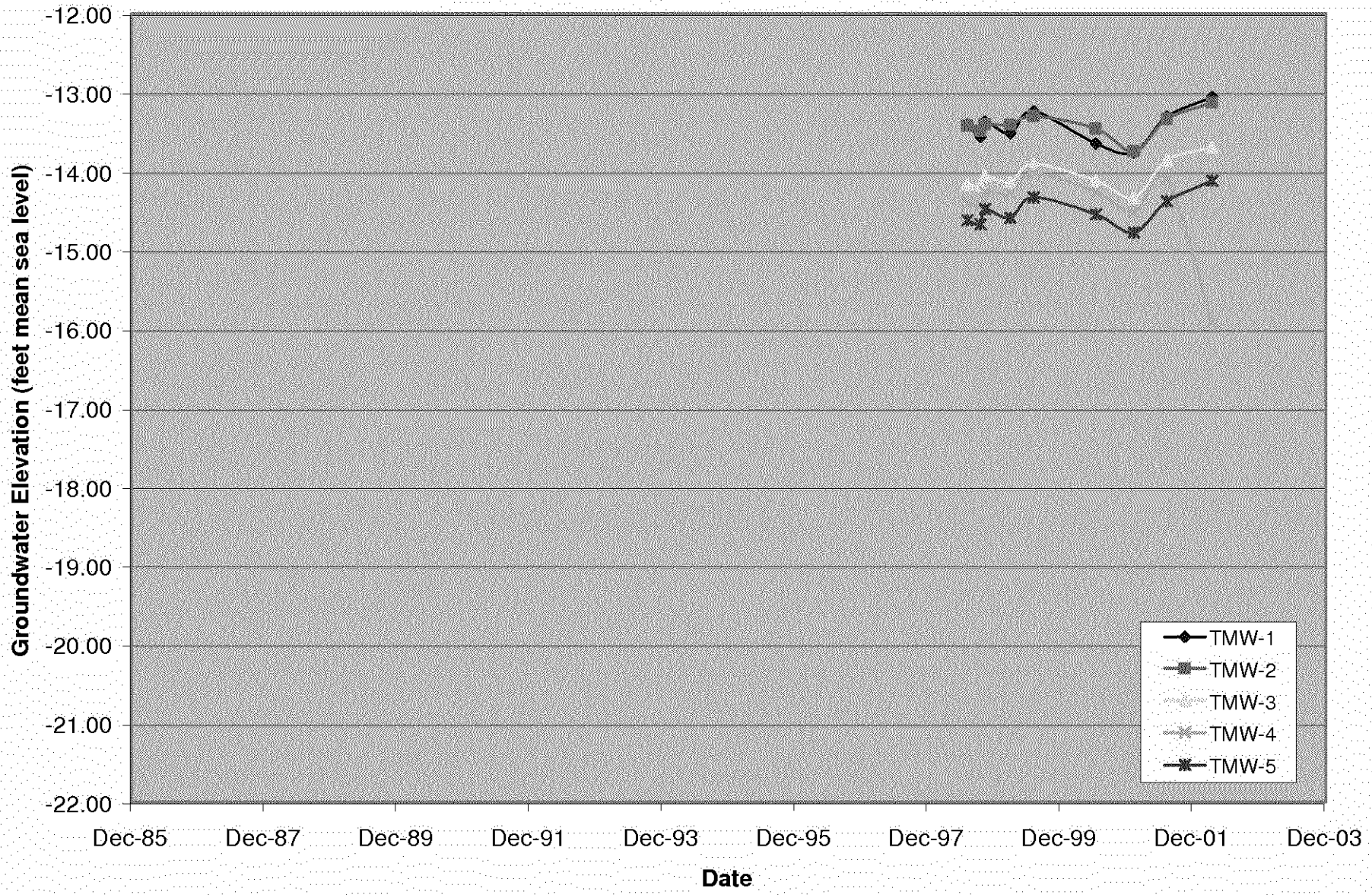


FIGURE 4f - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

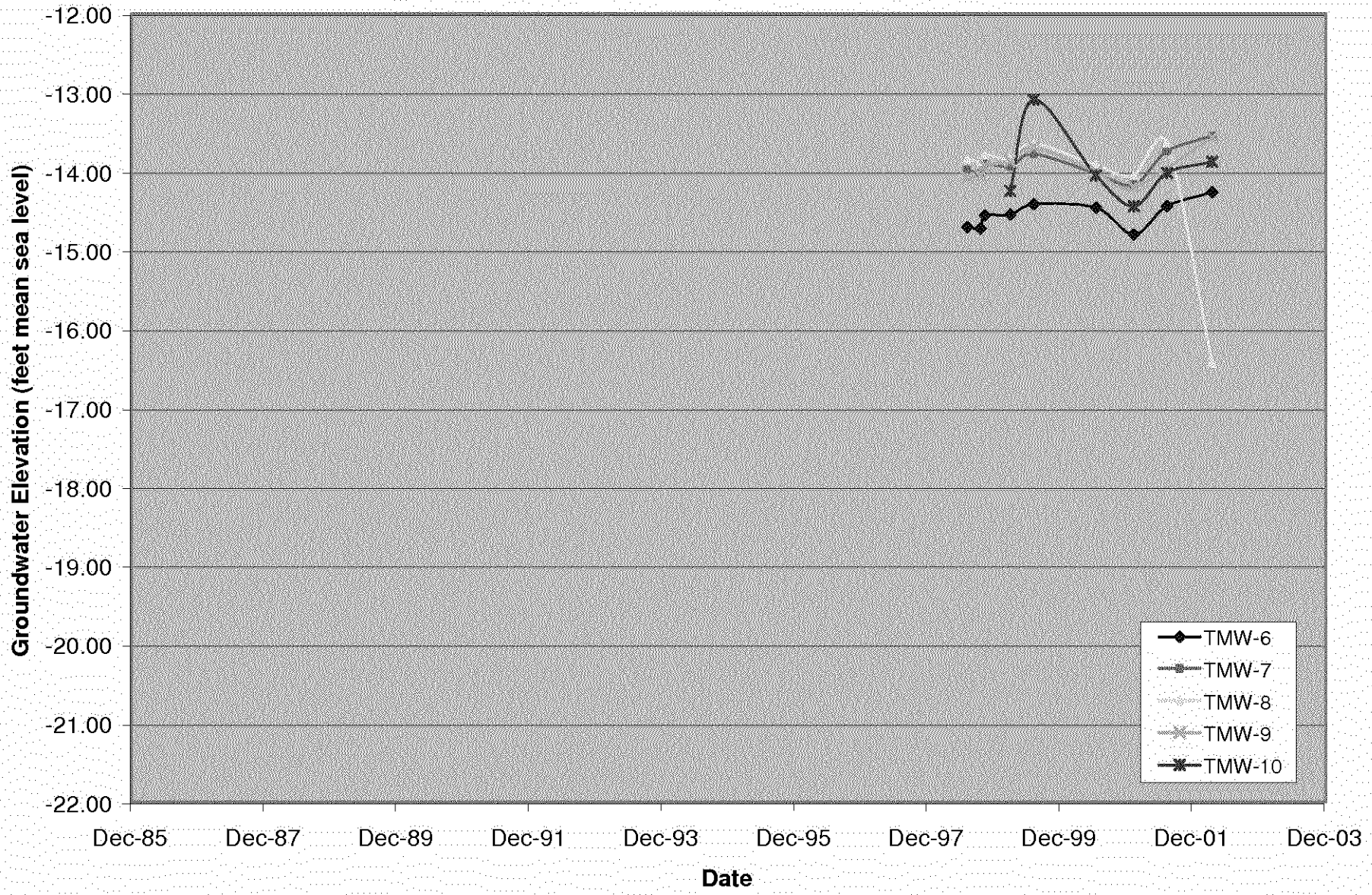


FIGURE 4g - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

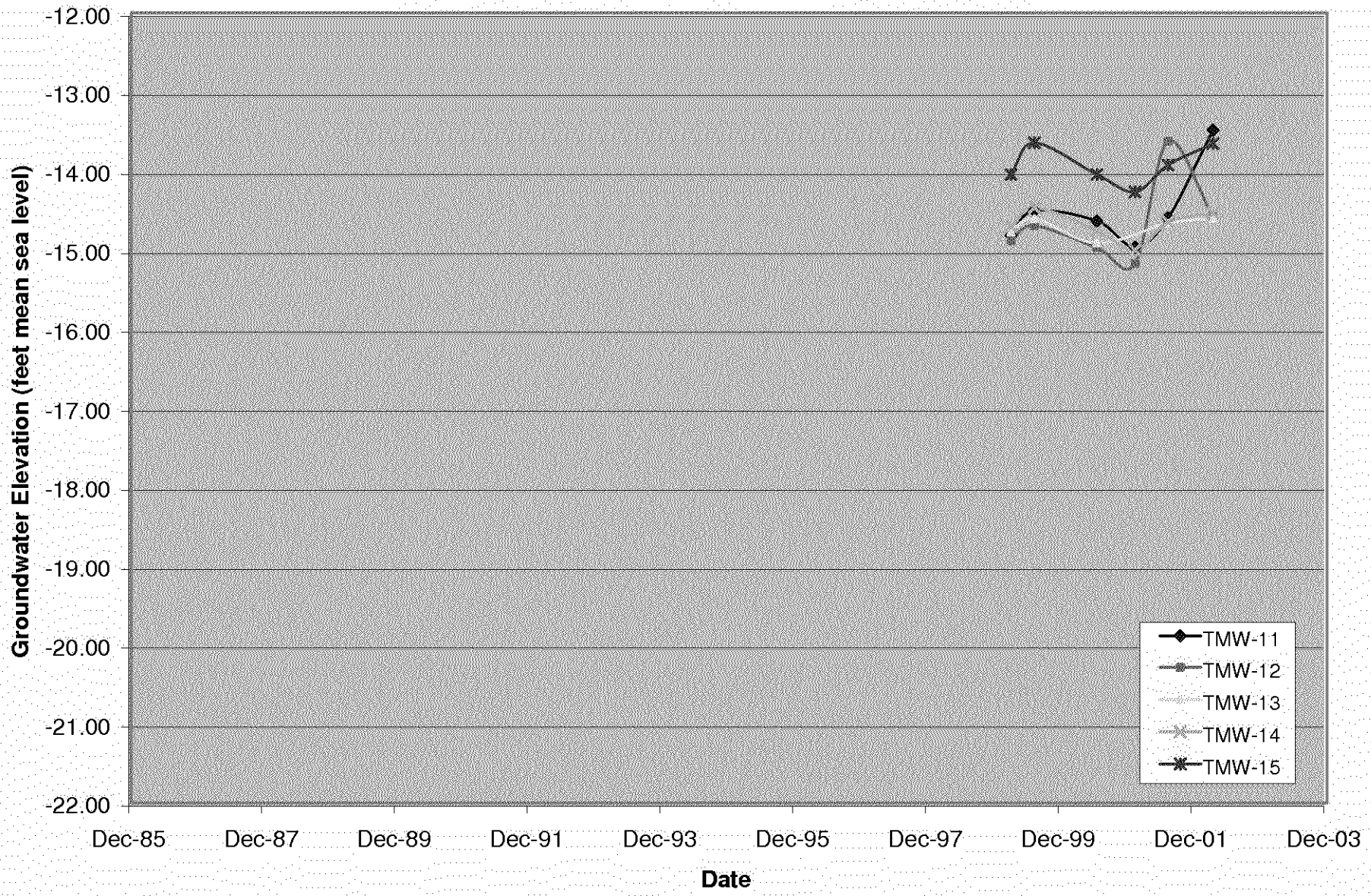


FIGURE 4h - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

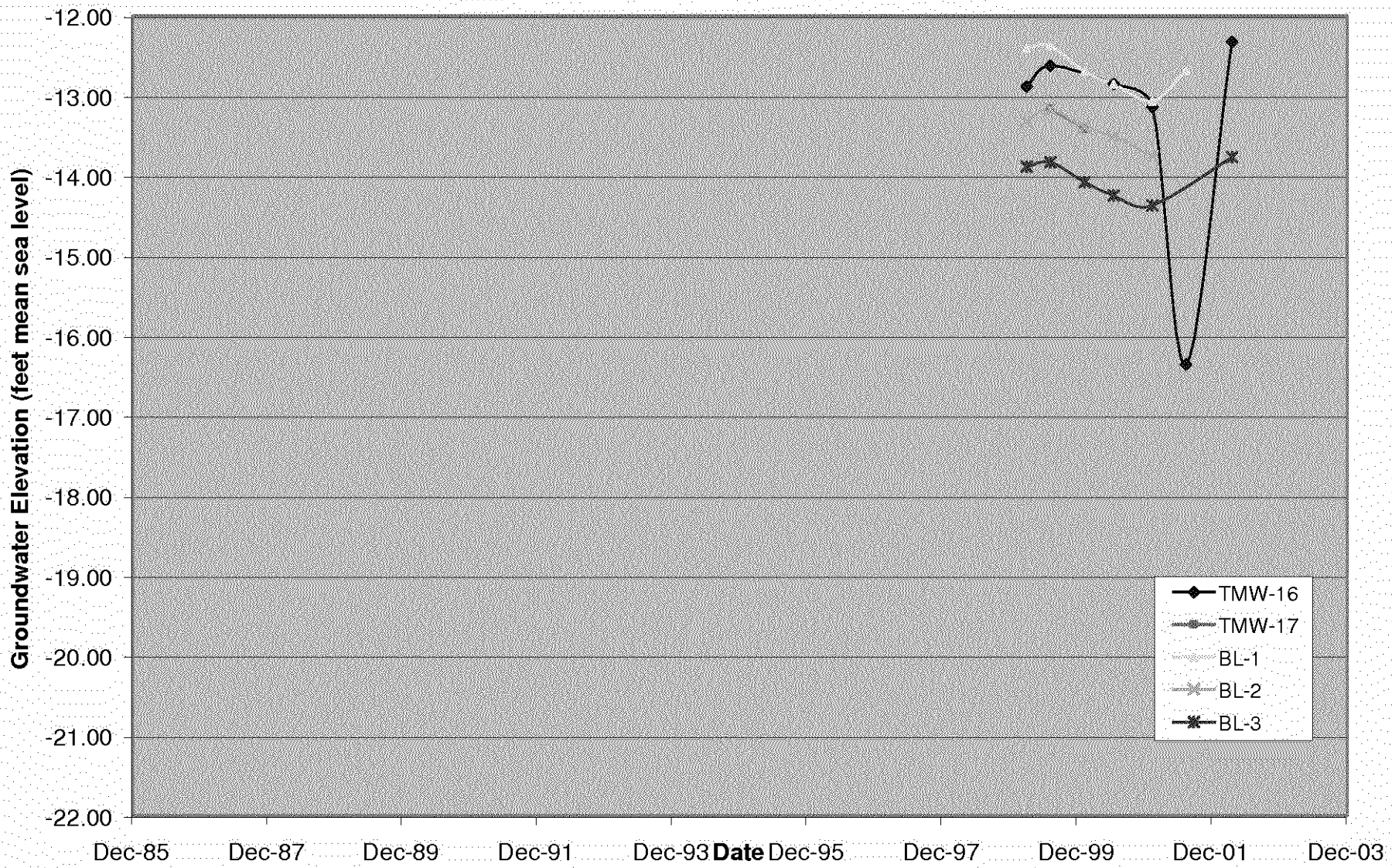
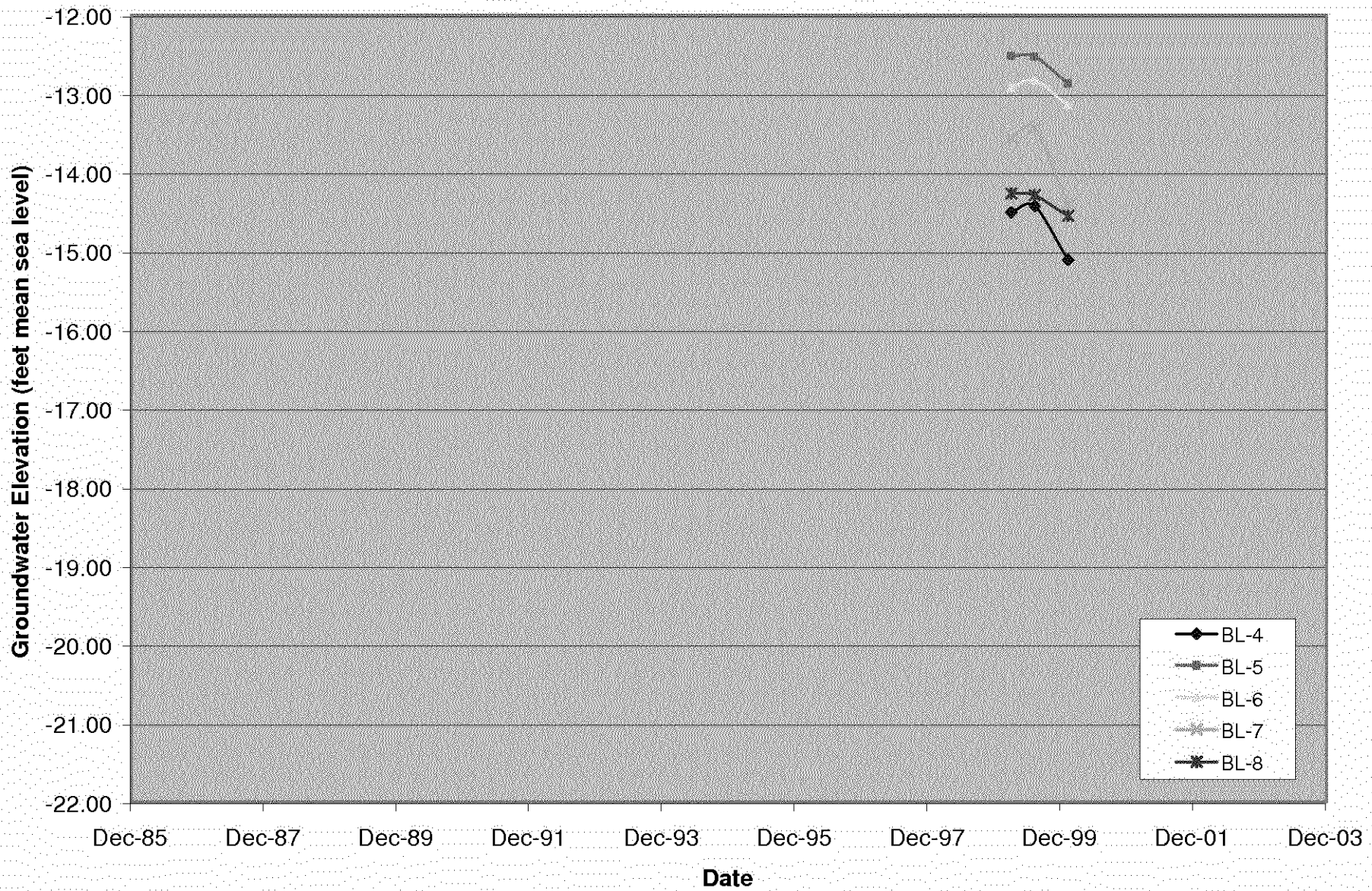
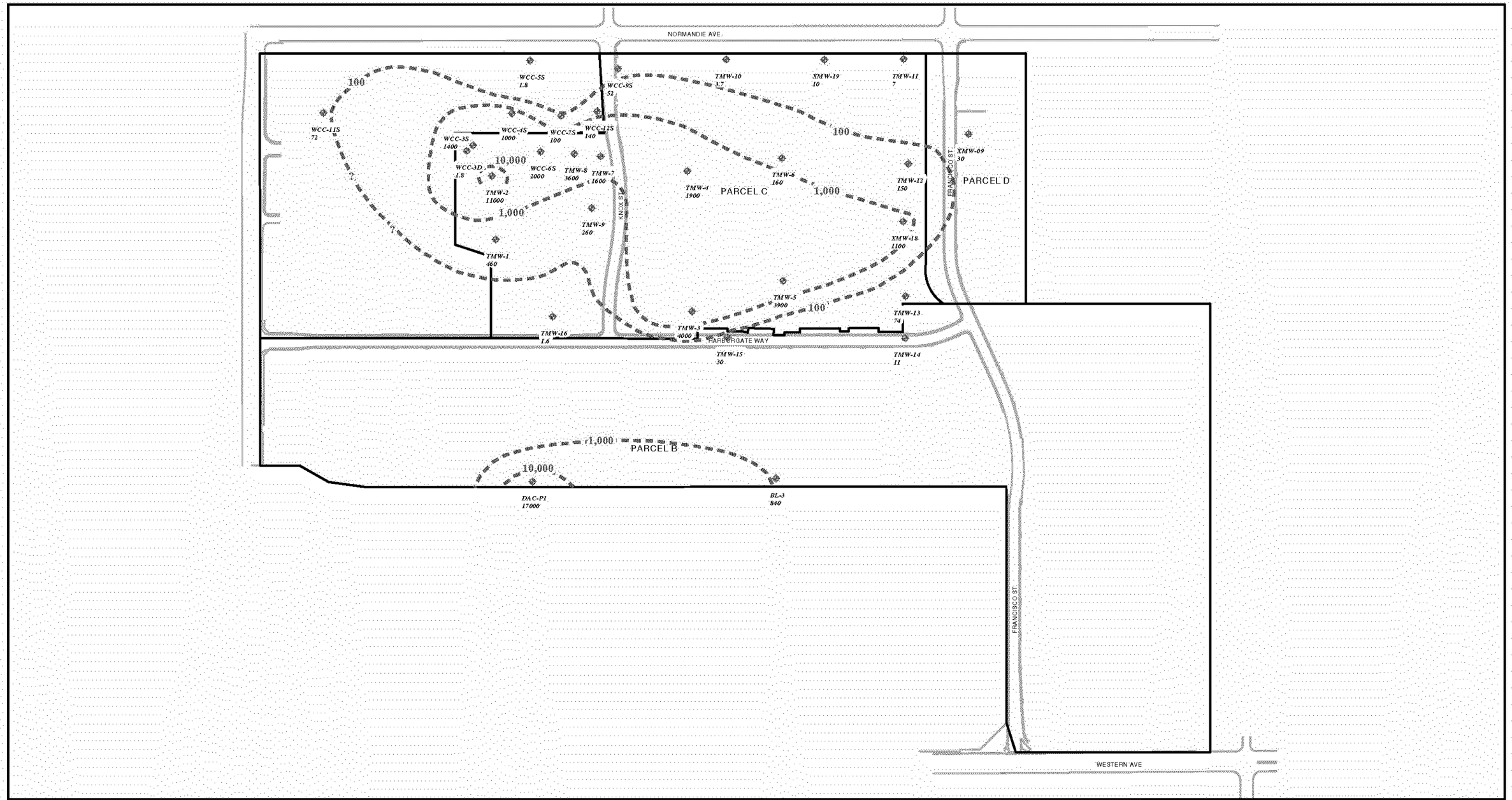


FIGURE 4i - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California





Legend

- TMW-1 460 — Groundwater Monitoring Well with TCE Concentration in ug/l
- Parcel Boundary
- Right Of Way(ROW)
- Contour of Equal TCE Concentration in ug/l

Notes:

TCE = Trichloroethene
MBFB = Middle Bellflower B-Sand

Only Sampled Wells Shown

N

All Dimensions and Locations Approximate

0 250 500 1,000 Feet

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

TCE DISTRIBUTION IN MBFB GROUNDWATER - MARCH 2002

SCALE AS SHOWN

JUNE 2002

29125-002

FIGURE 5

BOE-C6-0002974

FIGURE 6a - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

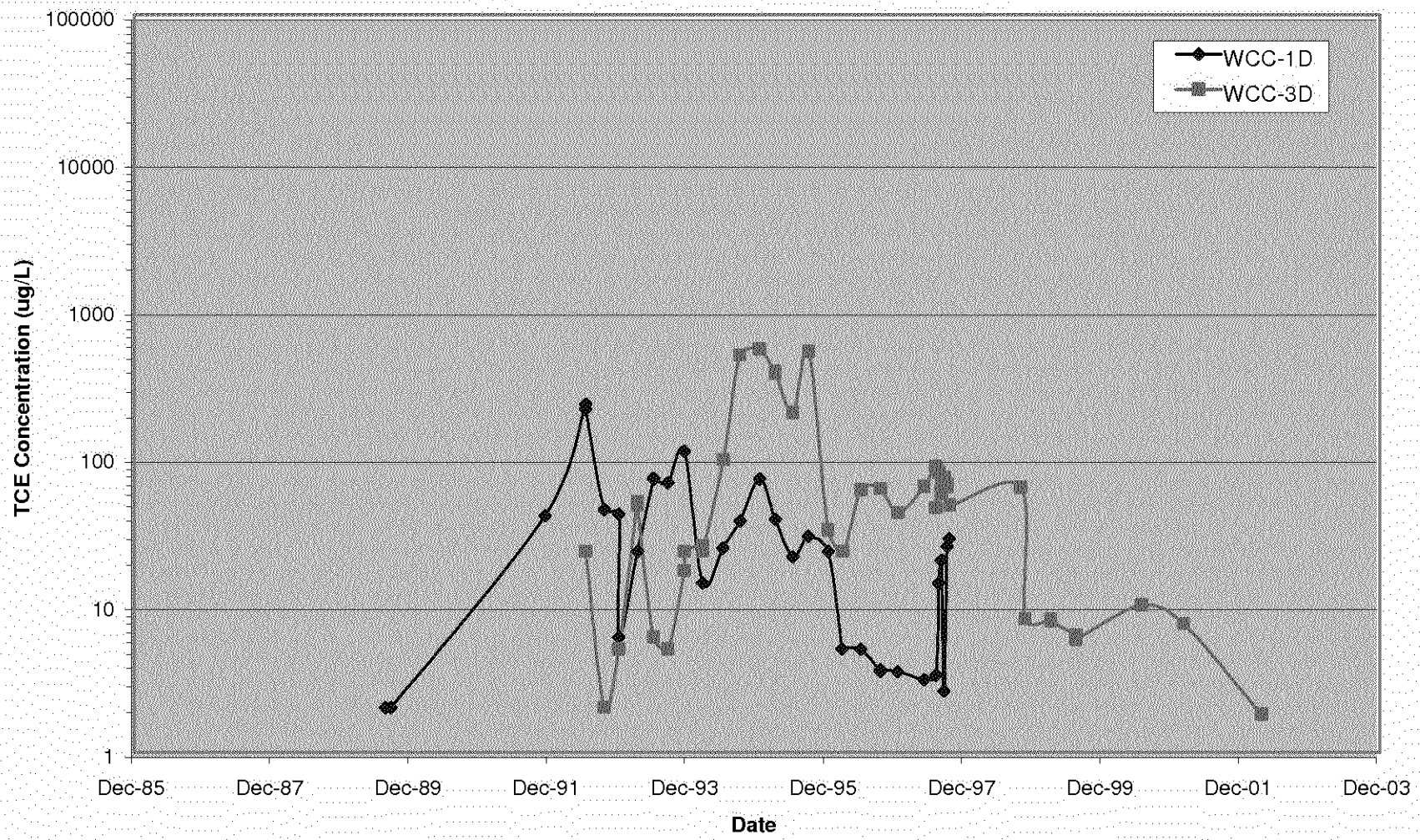


FIGURE 6b - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

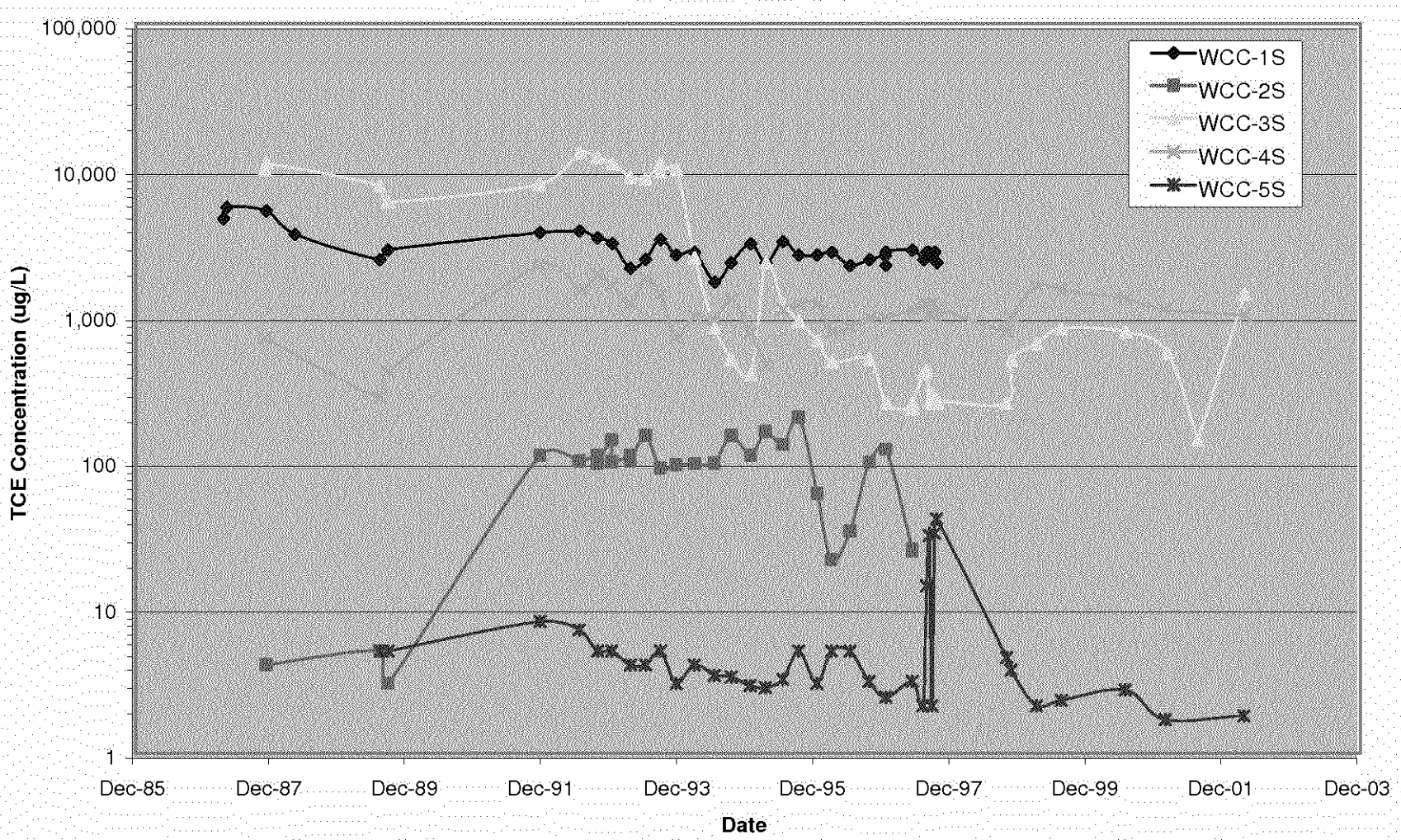


FIGURE 6c - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

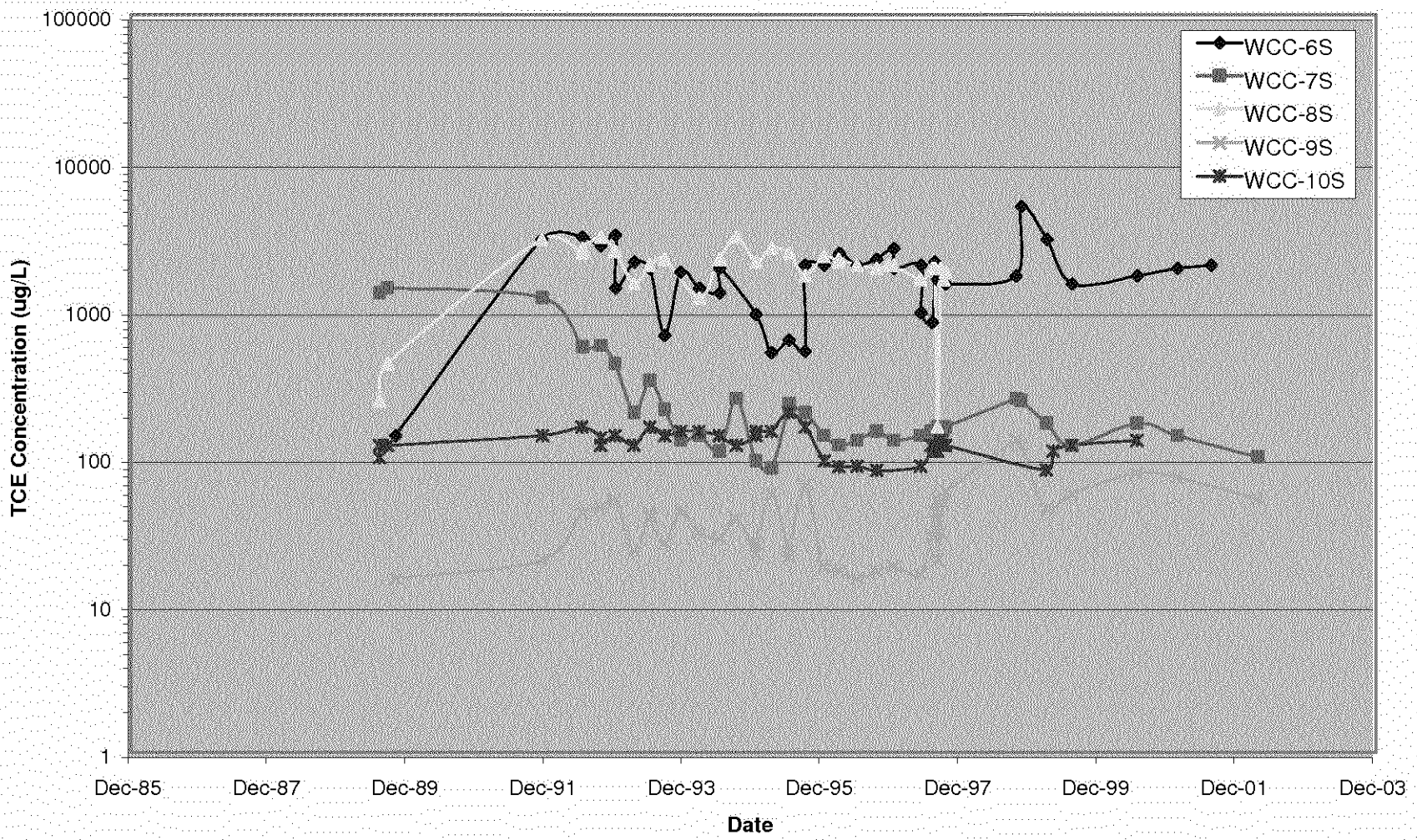


FIGURE 6d - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

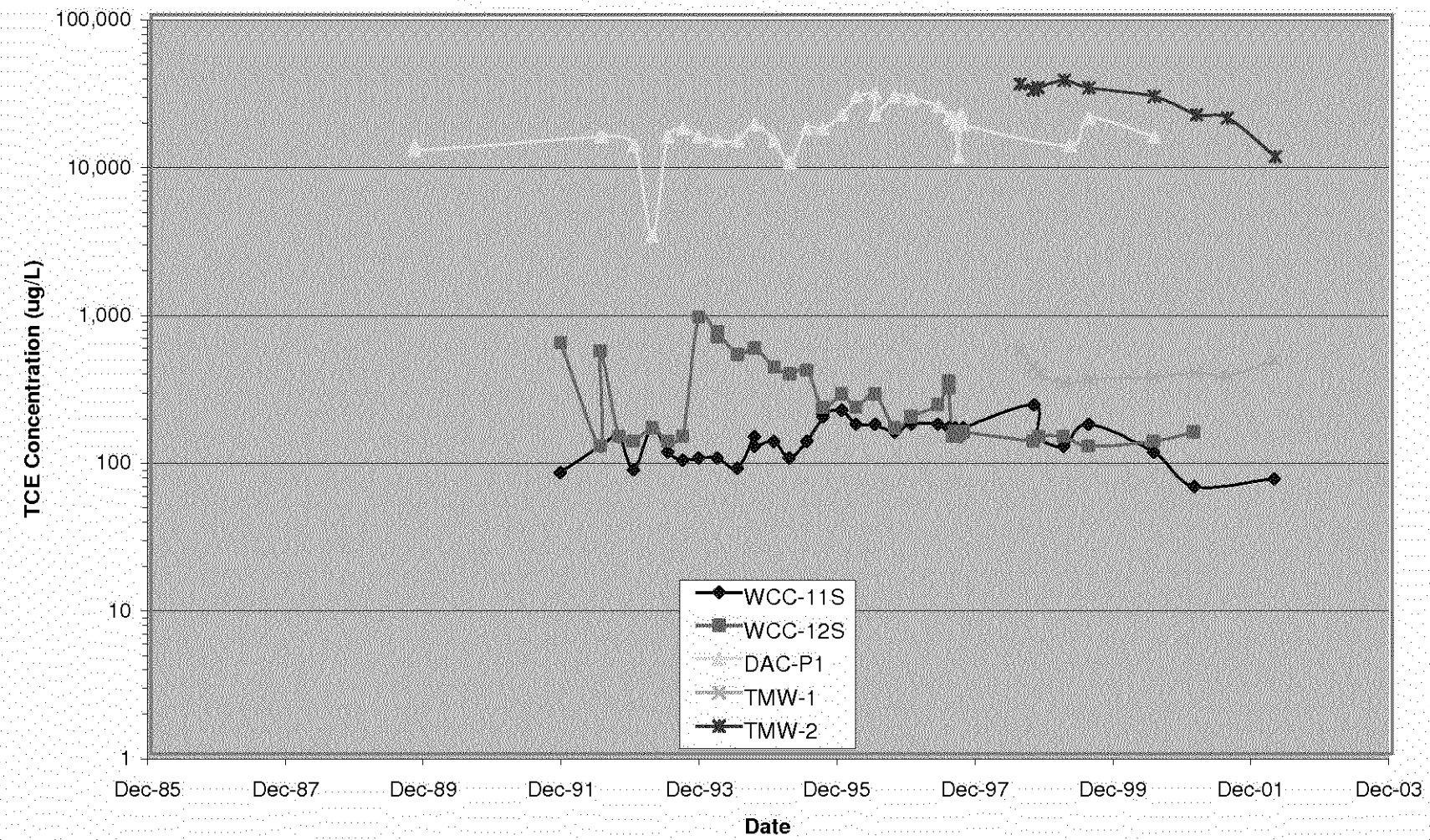


FIGURE 6e - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

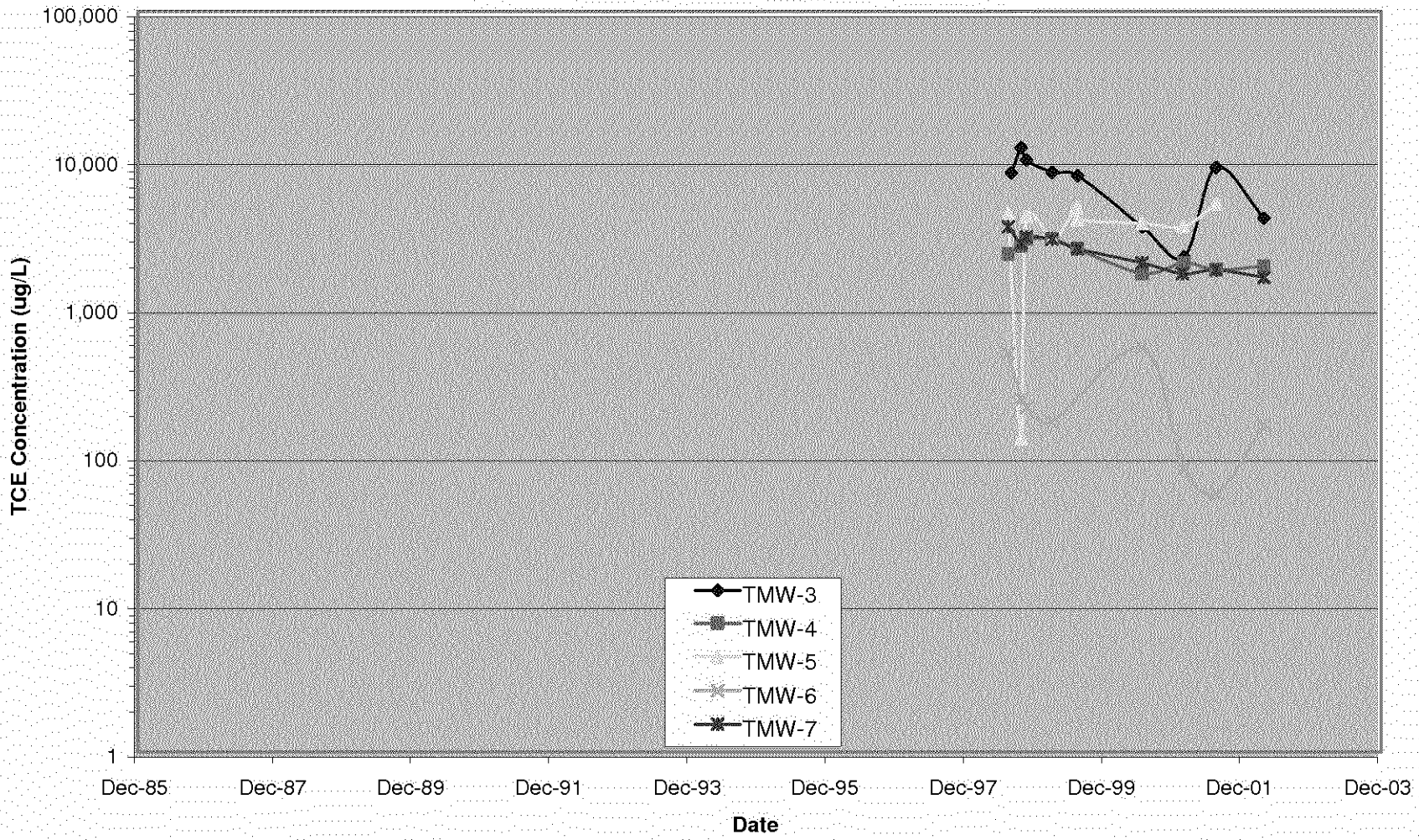


FIGURE 6f - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

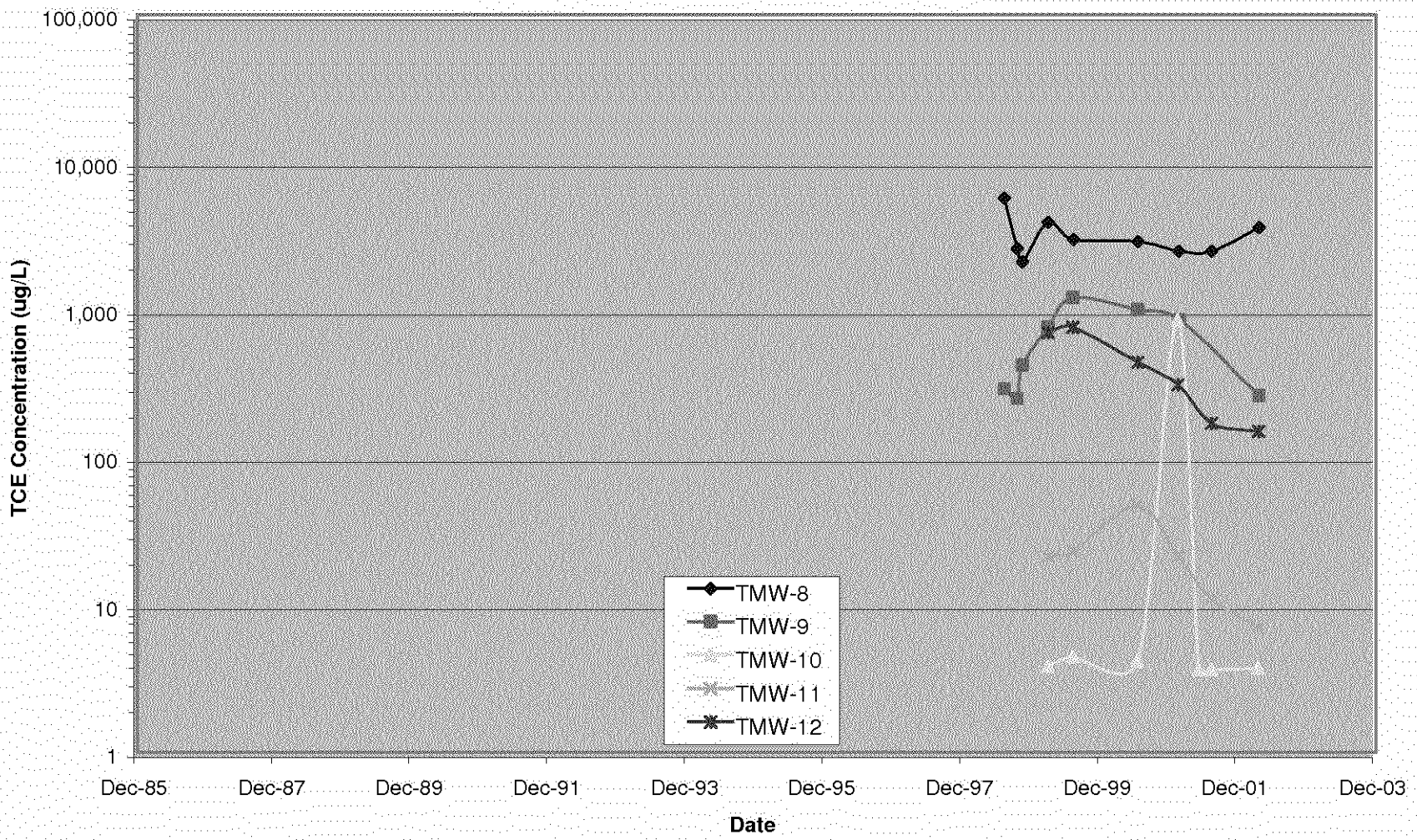
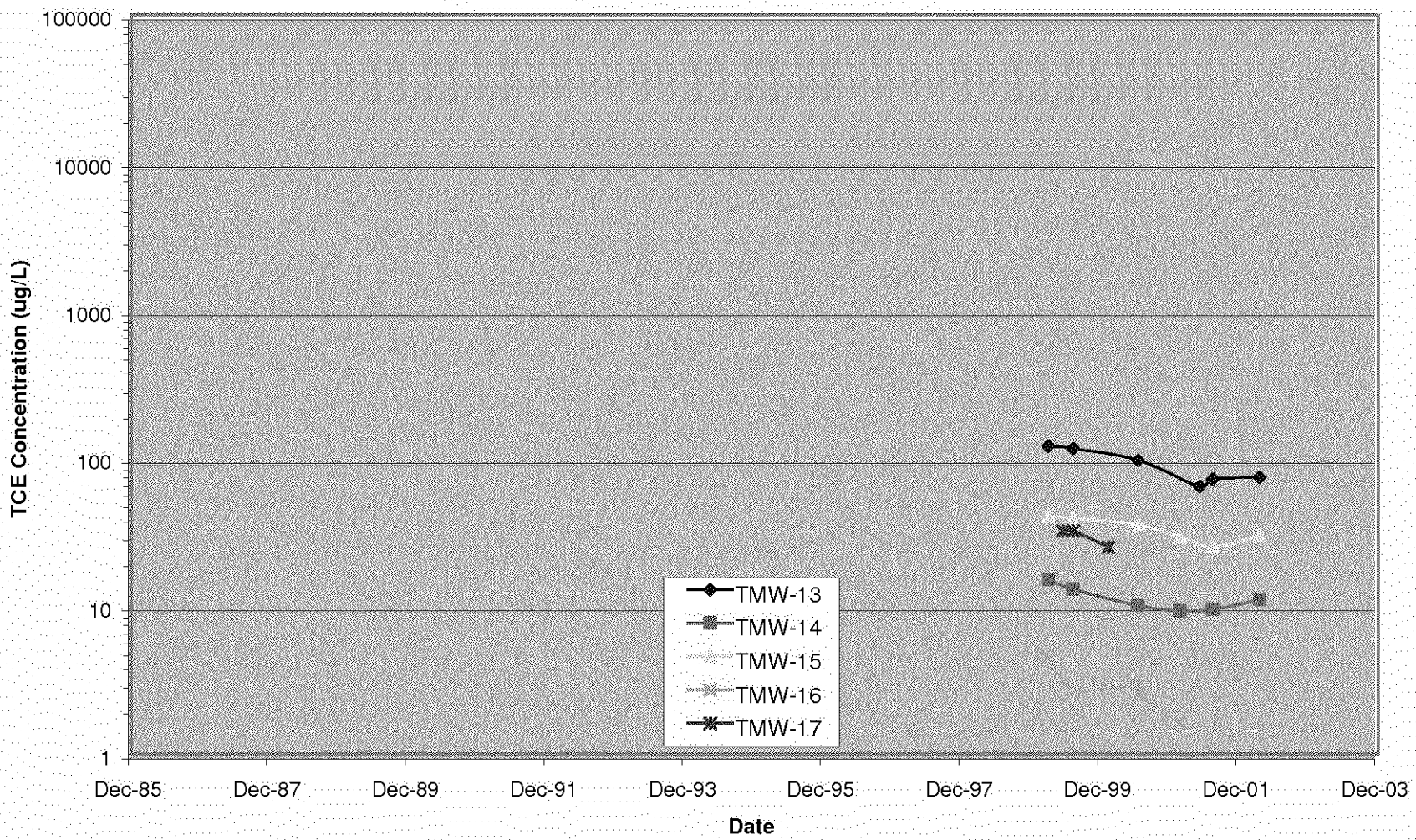
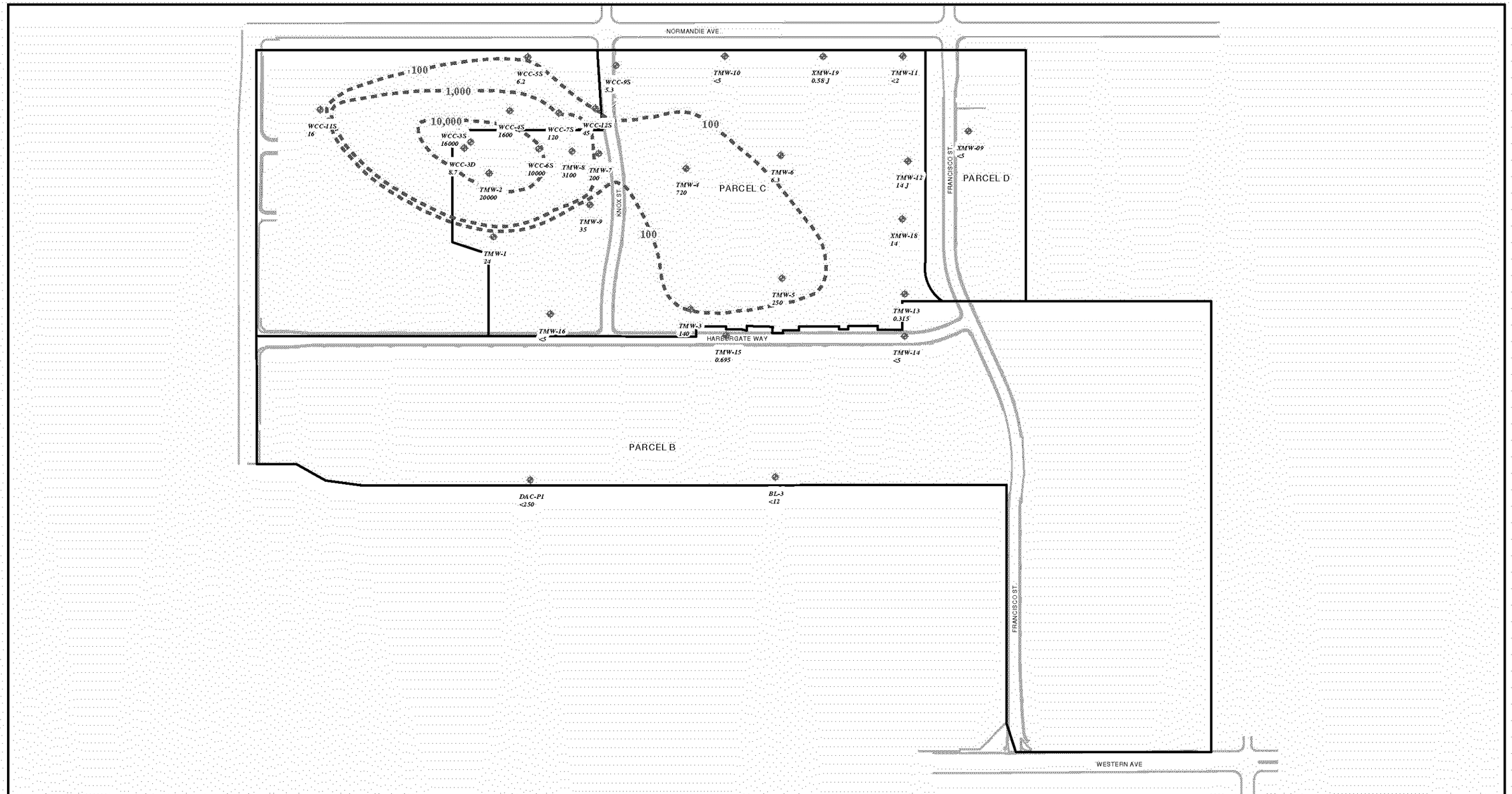


FIGURE 6g - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California





Legend

- TMW-1 24 — Groundwater Monitoring Well with 1,1,-DCE Concentration in ug/l
- Parcel Boundary
- Right Of Way(ROW)
- Contour of Equal 1,1-DCE Concentration in ug/l

Notes:

< = Less than Laboratory Detection Limit
J = Estimate Value
1,1-DCE = 1,1-Dichloroethene
MBFB = Middle Bellflower B-Sand

Only Sampled Wells Shown

N

All Dimensions and Locations Approximate

0 250 500 1,000 Feet

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

1,1-DCE DISTRIBUTION
IN MBFB GROUNDWATER
MARCH 2002

SCALE AS SHOWN

JUNE 2002

29125-002

FIGURE 7

BOE-C6-0002982

FIGURE 8a - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

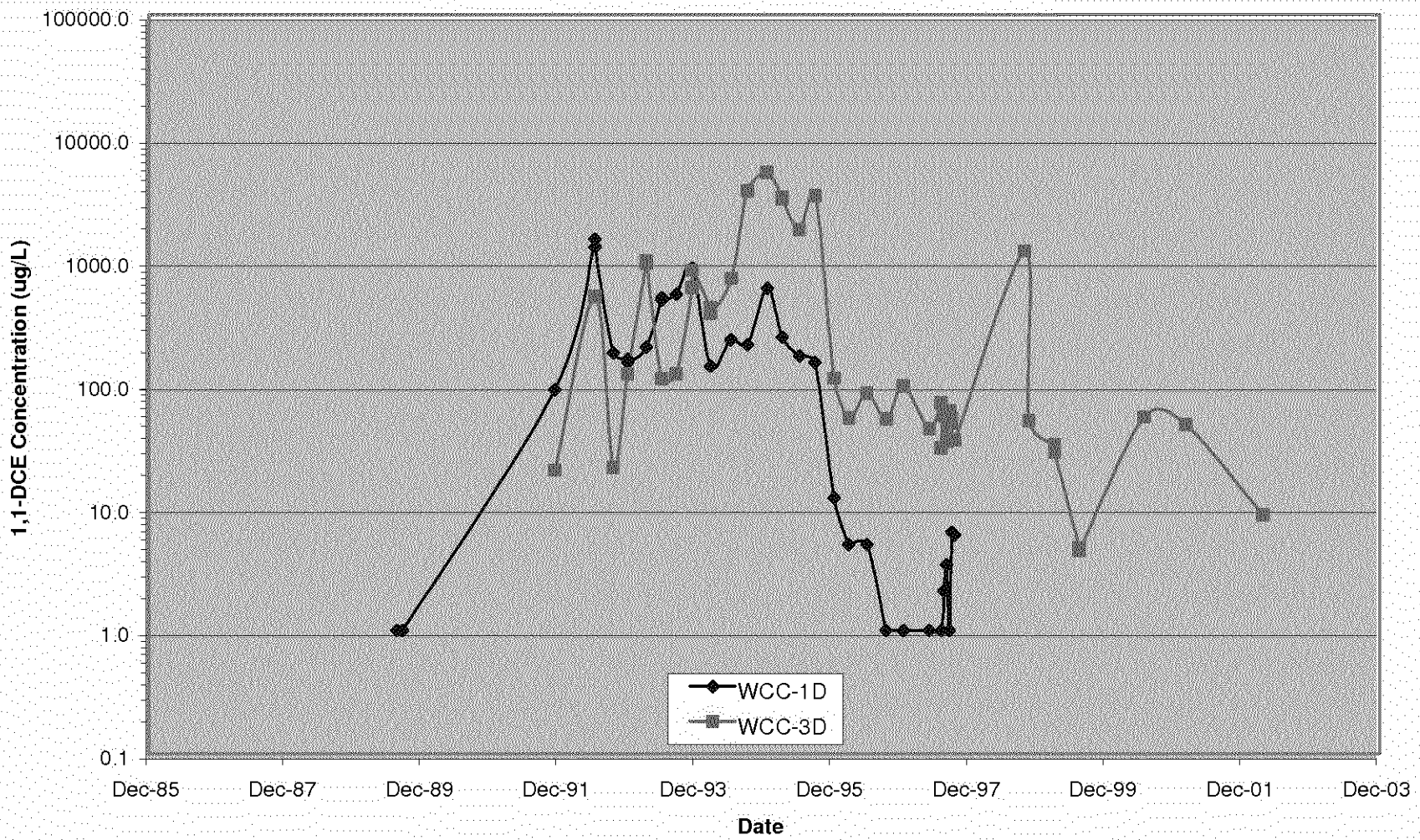


FIGURE 8b - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

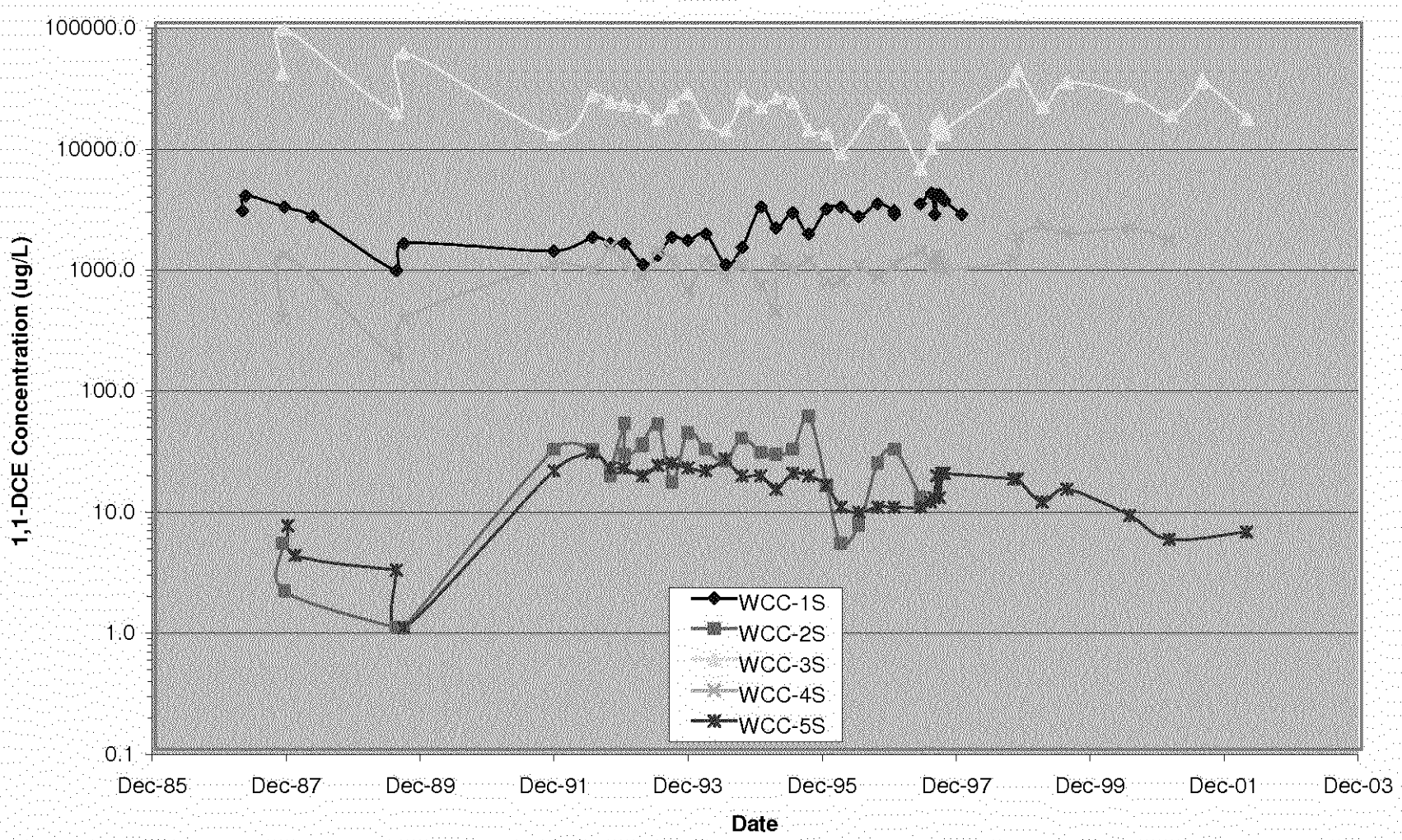


FIGURE 8c - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

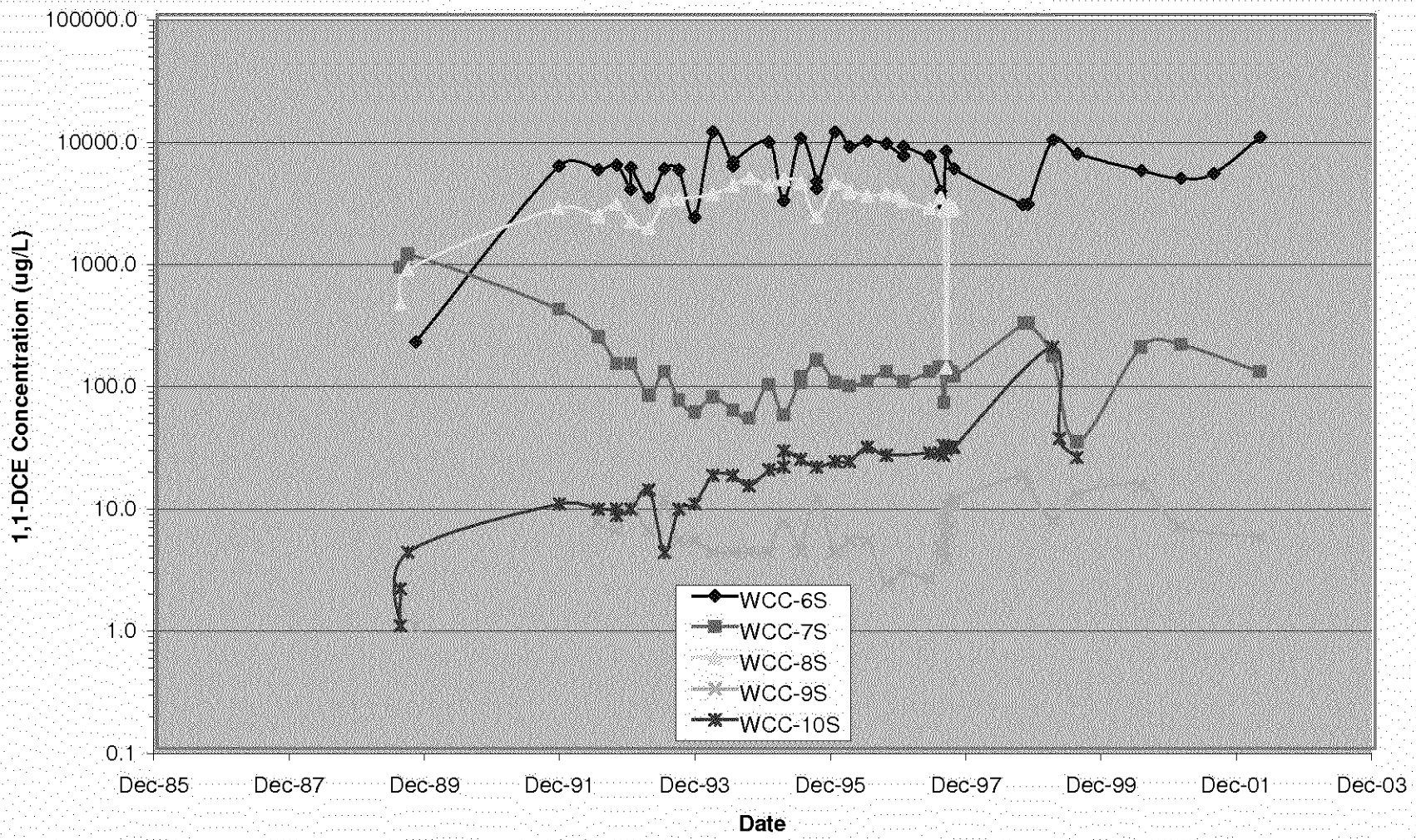


FIGURE 8d - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

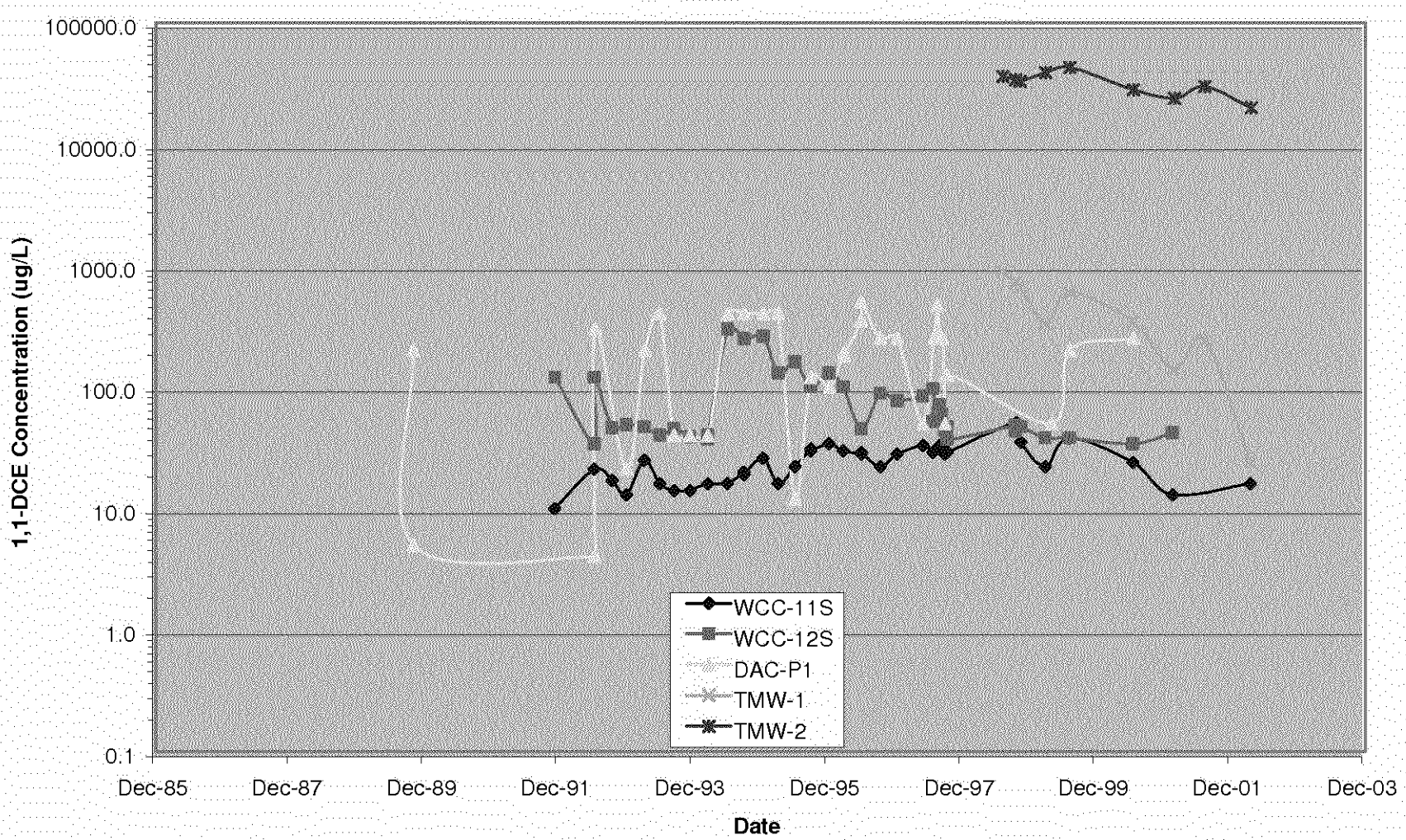


FIGURE 8e - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

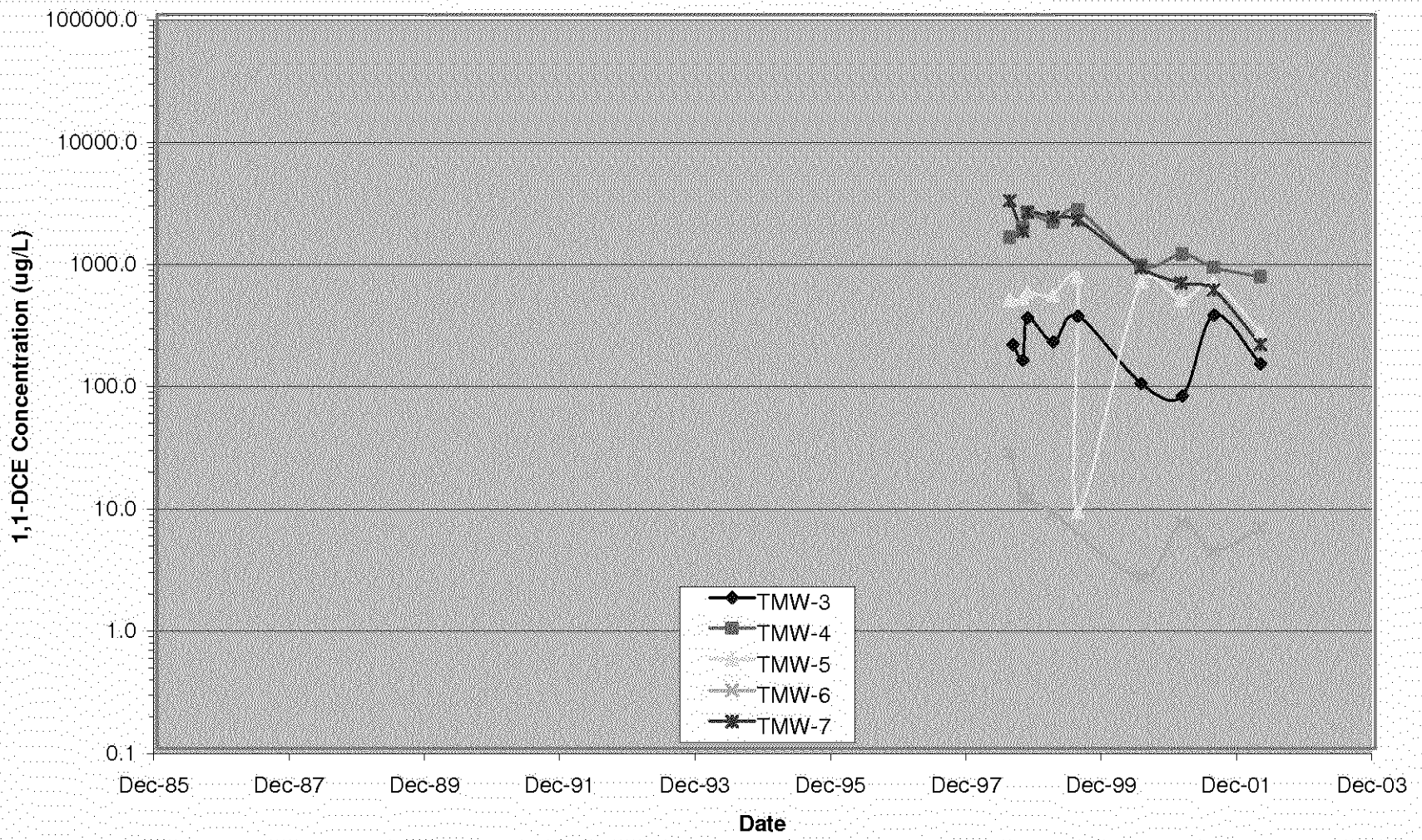


FIGURE 8f - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

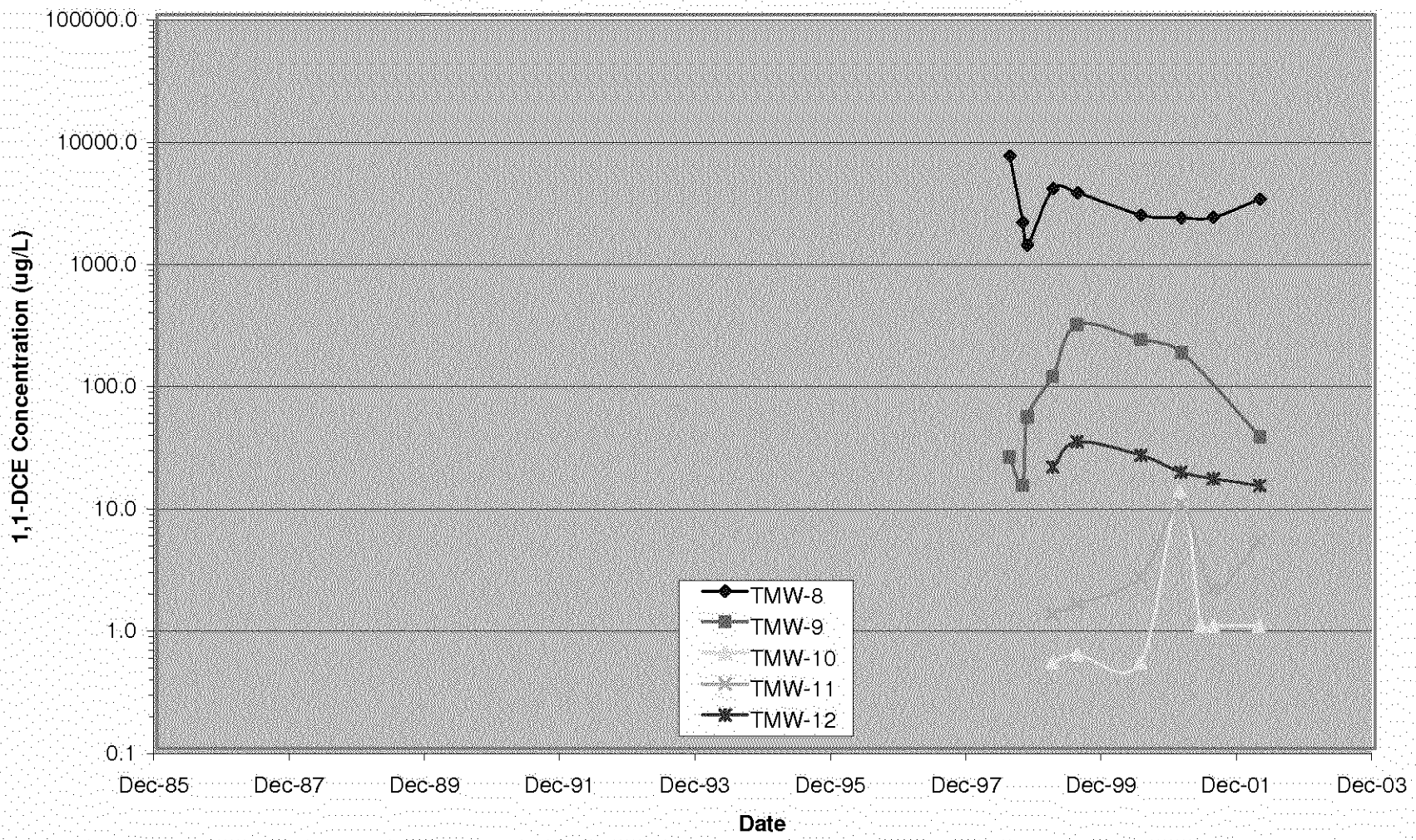
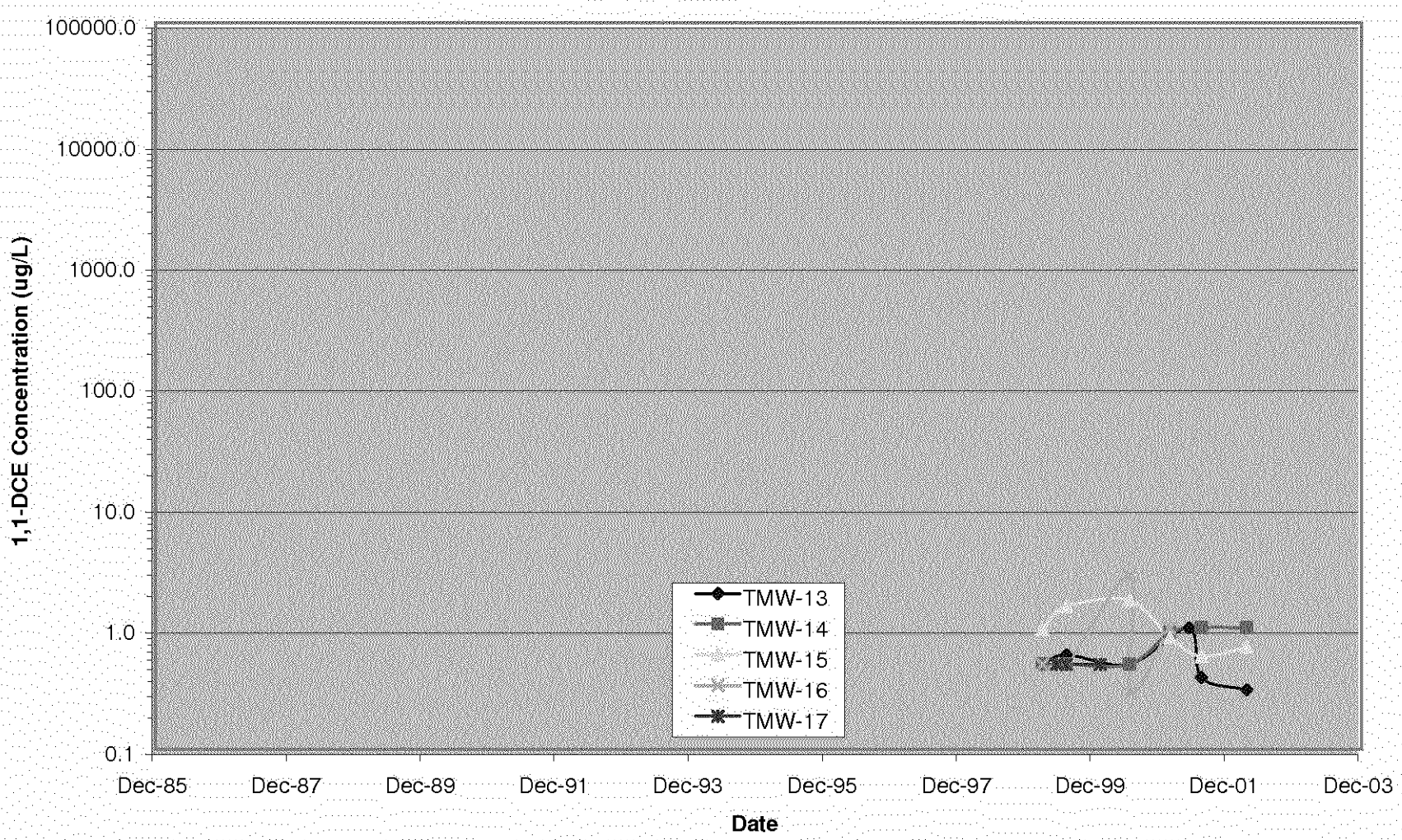


FIGURE 8g - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California



APPENDIX A

Field Data

TAIT Environmental Management, Inc

Well Gauging Data Sheet

Site Name: **BRC, Former C-6 Facility / March 2002 - Annual**

Well ID	Date	Time	PID (ppm)	Diameter (in)	Measurement Point	Depth to LNAPL (ft-bmp)	Depth to Water (ft-bmp)	LNAPL Thickness (ft)	Total Depth (ft bmp)	Personnel	Comments
WCC_325	03/21/2002	6:53	N/A	4	TOC, marking	ND	64.14	ND	N/A	SEE	TOC ~ 6' below grade. Requires: well box, locking cap
WCC_3D	03/21/2002	6:56	N/A	4	TOC, marking	ND	64.19	ND	N/A	SEE	TOC ~ 6' below grade. Requires: well box, locking cap
WCC_65	03/21/2002	6:59	N/A	4	TOC, marking	ND	64.56	ND	N/A	SEE	TOC ~1' below grade. Requires: well box, locking cap
TMW_8	03/21/2002	7:01	N/A	2	TOC, marking	ND	67.49	ND	N/A	SEE	new riser w/2002 lock
TMW_7	03/21/2002	7:04	N/A	2	TOC, marking	ND	66.07	ND	N/A	SEE	new riser w/2002 lock
TMW_9	03/21/2002	7:06	N/A	2	TOC, marking	ND	66.32	ND	N/A	SEE	new riser w/2002 lock
TMW_2	03/21/2002	7:09	N/A	2	TOC, marking	ND	69.55	ND	N/A	SEE	new riser w/2002 lock
TMW_1	03/21/2002	7:11	N/A	2	TOC, marking	ND	69.57	ND	N/A	SEE	new riser w/2002 lock
TMW_16	03/21/2002	7:14	N/A	2	TOC, marking	ND	68.06	ND	N/A	SEE	new riser added by TAIT needs 2002 lock
WCC_125	03/21/2002	7:19	N/A	4	TOC, marking	ND	60.44	ND	N/A	SEE	TOC ~ 4' below grade. Well in good condition
WCC_9	03/21/2002	7:30	N/A	4	TOC, marking	ND	60.33	ND	N/A	SEE	TOC ~ 6' below grade. Requires: well box, locking cap
TMW_10	03/21/2002	7:33	N/A	2	TOC, marking	ND	61.36	ND	N/A	SEE	new riser w/2002 lock
XMW_19	03/21/2002	7:36	N/A	4	TOC, marking	ND	60.76	ND	N/A	SEE	well in poor condition
TMW_11	03/21/2002	7:38	N/A	2	TOC, marking	ND	60.89	ND	N/A	SEE	well in okay condition
TMW_12	03/21/2002	7:41	N/A	2	TOC, marking	ND	66.25	ND	N/A	SEE	new riser added by TAIT (temp) casing cracked at surface needs well box
XMW_18	03/21/2002	7:46	N/A	4	TOC, marking	ND	65.51	ND	N/A	SEE	well ~ 3' below grade. In okay condition
TMW_13	03/21/2002	7:49	N/A	2	TOC, marking	ND	65.49	ND	N/A	SEE	well ~ 3' below grade, needs well box and locking cap
TMW_05	03/21/2002	7:52	N/A	2	TOC, marking	ND	67.52	ND	N/A	SEE	new riser w/2002 lock
TMW_3	03/21/2002	7:55	N/A	2	TOC, marking	ND	65.06	ND	N/A	SEE	new riser w/2002 lock
TMW_6	03/21/2002	7:58	N/A	2	TOC, marking	ND	70.61	ND	N/A	SEE	new riser w/2002 lock
TMW_4	03/21/2002	8:01	N/A	2	TOC, marking	ND	68.18	ND	N/A	SEE	new riser w/2002 lock

TAIT Environmental Management, Inc

Well Gauging Data Sheet

Site Name: **BRC, Former C-6 Facility / March 2002 - Annual**

Well ID	Date	Time	PID (ppm)	Diameter (in)	Measurement Point	Depth to LNAPL (ft-bmp)	Depth to Water (ft-bmp)	LNAPL Thickness (ft)	Total Depth (ft bmp)	Personnel	Comments
WCC_115	03/21/2002	8:08	N/A	4	TOC, marking	ND	63.68	ND	N/A	SEE	good condition
WCC_45	03/21/2002	8:12	N/A	4	TOC, marking	ND	62.81	ND	N/A	SEE	new riser w/2002 lock
WCC_75	03/21/2002	8:17	N/A	4	TOC, marking	ND	63.51	ND	N/A	SEE	new riser w/2002 lock
WCC_55	03/21/2002	8:20	N/A	4	TOC, marking	ND	61.93	ND	N/A	SEE	new riser w/2002 lock
TMW_15	03/21/2002	8:25	N/A	2	TOC, marking	ND	68.88	ND	N/A	SEE	new riser w/2002 lock
TMW_14	03/21/2002	8:28	N/A	2	TOC, marking	ND	72.69	ND	N/A	SEE	new riser w/2002 lock
XMW_9	03/21/2002	8:32	N/A	4	TOC, marking	ND	68.34	ND	N/A	SEE	new riser w/2002 lock
BL_3	03/21/2002	8:37	N/A	2	TOC, marking	ND	70.25	ND	N/A	SEE	new riser w/2002 lock
DAC_P1	03/21/2002	8:41	N/A	4	TOC, marking	ND	65.52	ND	N/A	SEE	new riser w/2002 lock

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance
Date: 3/21/02
Project No.: EM2303
Prepared By: NC, RK
Well Identification: XMW-09
Pump Intake Depth (ft-bmp): ~ 78.5
Measurement Point Description: TOC - Redmark

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	68.30	79.22	10.92	NA	7	21

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	(4)	6	0.02	0.16	(0.65)	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
9:19	0.5	3.5	0.58	69.18	6.55	23.55	308	1.81	0.29	+55	mostly clear
9:23	1	7	0.88	69.31	6.57	23.62	204	1.81	0.33	+51	mostly clear
9:28	1.5	10.5	0.7	69.34	6.68	23.55	112	1.81	0.30	+44	mostly clear
9:32	2	14	0.88	69.35	6.59	23.54	91.6	1.81	0.31	+41	" "
9:36	2.5	17.5	0.88	69.37	6.60	23.56	84.6	1.81	0.29	+36	clear*
9:40	3	21	0.88	69.33	6.60	23.53	81.3	1.81	0.25	+36	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
9:13	9:40	0.8	21	3	70.48	69.33	09:45	XMW_09_032102_0945

Notes: Soft well bottom.
PID = 0.6 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling-Boeing-Torrance
Date: 3/21/02
Project No.: EM2303
Prepared By: NC, RK
Well Identification: WCC-55
Pump Intake Depth (ft-bmp):
Measurement Point Description: TOC-Blackmark

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	61.93	89.91	27.98	NA	18	54

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: GOOD.

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (ms/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:28	0.5	9	1.5	62.40	6.98	23.28	10.9	1.37	5.69	+50	clear
10:32	1	18	2.25	62.45	6.98	23.24	0.7	1.40	5.10	+46	clear
10:37	1.5	27	1.8	62.45	6.98	23.22	14.3	1.41	5.03	+46	clear
10:42	2	36	1.8	62.45	6.98	23.17	0.7	1.39	4.96	+56	clear
10:46	2.5	45	2.25	62.46	6.98	23.18	10.0	1.38	4.89	+58	clear
10:50	3	54	2.25	62.47	6.98	23.19	10.0	1.37	4.83	+61	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
10:22	10:50	1.98	54	3	67.53	62.47	10:55	WCC_55_032102_1055

Notes: Soft well bottom
PID = 11.6 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Boeing - Torrance GW Sampling	**Date:** 3/21/02
Project No.: EH2363	**Prepared By:** NC/RK
Well Identification: W TMW-16	**Pump Intake Depth (ft-bmp):**
Measurement Point Description: TOC - Blackmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	68.06	81.18	13.12	NA	2	6

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: GOOD (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
11:39	0.5	1	0.5	NM	7.25	23.48	>999	1.91	8.99	+58	mostly clear
	1	2									
11:50	1.5	3	NM	77.72	7.28	24.26	>999	2.03	8.45	+60	silty
11:52	2	4	0.5	78.12	7.25	24.92	>999	2.01	7.89	+79	silty
11:54	2.5	5	0.5	78.82	7.26	23.79	>999	2.01	8.27	+89	mostly clear
11:56	3	6	0.5	78.93	7.25	23.75	>999	2.05	8.18	+89	" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
11:37	11:56	0.5	6	3	70.68	70.68	12:05	TMW_16_032102_1205

Notes: Semi-soft well bottom Pump stopped ~ 11:42.
PID = 0.5

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance
Date: 3/21/02
Project No.: EM2303
Prepared By: NC/RK
Well Identification: TMW-10
Pump Intake Depth (ft-bmp):
Measurement Point Description: TOC - Redmark

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	61.32	78.00	16.68	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: GOOD

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
12:57	0.5	1.5	0.38	61.58	7.19	24.54	555	1.61	4.85	+20	silty
13:02	1	3	0.3	61.59	7.19	24.61	243	1.56	4.68	+11	mostly clear
13:09	1.5	4.5	0.21	61.64	7.17	24.24	93.3	1.65	4.89	+13	clear
13:11	2	6	0.75	61.65	7.17	23.94	72.7	1.54	4.95	+19	clear
13:14	2.5	7.5	0.5	61.67	7.17	23.86	37.8	1.65	5.08	+25	clear
13:16	3	9	0.75	61.68	7.17	23.85	26.9	1.54	5.14	+26	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
12:~~49~~ 53	13:16	0.48	9	3	64.66	61.68	13:20	TMW_10_032102_1320

Notes: Soft well bottom Pump stopped at 12:58, + at 13:03
PID = 0.3 ppm.

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Boeing-Compton - GW Sampling
Project No.: A EM 2303
Well Identification: WCC-3D
Measurement Point Description:
Date: 3/21/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp):

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	64.16	139.45	75.29	NA	49	147

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	(4)	6	0.02	0.16	(0.65)	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: GOOD

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
14:37	0.5	24.5	0.88	74.02	7.44	23.13	2.8	0.822	0.10	-82	clear
14:54	1	49	1.4	74.12	7.46	23.11	3.2	0.804	0.00	-90	clear
15:11	1.5	73.5	1.4	74.15	7.47	23.14	3.3	0.803	0.00	-91	clear
15:28	2	98	1.4	74.05	7.48	23.13	3.6	0.804	0.00	-90	clear
15:45	2.5	122.5	1.4	74.28	7.48	23.15	3.7	0.805	0.00	-89	clear
16:02	3	147	1.4	74.22	7.48	23.08	3.9	0.805	0.00	-88	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
14:09	16:02	1.3	147	3	79.22	74.22	16:05	WCC_3D_032102_1605

Notes: Soft well bottom
PID = 0.2 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0706)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT F. EM	Date: 3/21/02	Chain of Custody Number: 050488
Address: 711 N. PARKCENTER DR	Telephone Number (Area Code)/Fax Number: (714) 567-8220 (714) 567-8225	Lab Number:	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: DSOZIKI	
Project Name and Location (State): LOFING - TOKANNE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sediment	Soil	Unpres.	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
EB-TAIT032102-0001	3/21/02	8:45		X					3			X	
TAN-09-032102-0945	3/21/02	9:45		X					3			X	
WCC-05-032102-1055	3/21/02	10:55		X					3			X	
TMW-16-032102-1205	3/21/02	12:05		X					3			X	
TMW-10-032102-1320	3/21/02	13:20		X					3			X	
WCC-30-032102-1005	3/21/02	10:05		X					3			X	
TB-TAIT032102-0001	3/21/02			X					3			X	

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

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

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

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [illegible]	3/21/02	11:55	1. Received By: [illegible]	3/21/02	12:15
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

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

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (G700)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/22/02	Chain of Custody Number: 050488
Address: 701 N. PARKCENTER DR	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number:	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SVZOKI	
Project Name and Location (State): BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): VOC (8260B)	Special Instructions/ Conditions of Receipt
EB-TAIT032202-0001	3/22/02	7:20		X						3				X	
TMW_14-032202-0815	↓	8:15		X						3				X	
TMW_11-032202-0915		9:15		X						3				X	
TMW_15-032202-1005		10:05		X						3				X	
WCC115-TAIT032202-0001		11:10		X						3				X	
WCC115-TAIT032202-0002		11:10		X						3				X	
XMW-19-032202-1225		12:25		X						3				X	
TMW_13-032202-1335		13:35		X						3				X	
WCC_95-032202-1440	↓	14:40		X						3				X	
TB-TAIT032202-0001	↓	—		X						3				X	

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

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

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

QC Requirements (Specify):

1. Relinquished By: Mukesh Chandran	Date: 3/22/02	Time: 1700	1. Received By:	Date: 3/22/02	Time: 1700
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

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

BOE-C6-0002999

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/22/02
Project No.: EM8303	**Prepared By:** NC, RK
Well Identification: TMW-14	**Pump Intake Depth (ft-bmp):**
Measurement Point Description: TOC - Blackmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	72.74	87.97	15.23	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: GOOD (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
8:08	0.5	1.5	1.5	73.35	6.40	23.64	>999	3.70	5.32	+21	Silty
8:10	1	3	0.75	73.61	6.62	23.32	>999	3.47	4.30	+25	mostly clear
8:11	1.5	4.5	1.5	73.65	6.72	23.34	335	3.41	4.95	+32	clear
8:12	2	6	1.5	73.65	6.75	23.41	171	3.36	~~5.148.31~~	+35	clear
8:14	2.5	7.5	0.75	73.68	6.78	23.41	106	3.35	5.21	+37	clear
8:15	3	9	1.5	73.48	6.79	23.43	95.6	3.30	5.26	+38	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
8:07	8:15	1.25	9	3	75.79	73.48	08:15	TMW-14_032202_0815

Notes: Soft well bottom
PID = 0.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003000

TAIT Environmental Management, Inc.

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance
Project No.: EM2303
Well Identification: TMW-11
Measurement Point Description: TOC - Redmark
Date: 3/22/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp):

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	61.95	77.94	15.99	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
9:06	0.5	1.5	0.75	62.59	6.92	23.97	856	1.95	3.31	+30	mostly clear
9:08	1	3	0.75	62.55	6.92	23.72	166	1.88	2.42	+49	clear
9:09	1.5	4.5	1.5	—	6.92	23.68	99.6	1.85	2.31	+50	clear
9:11	2	6	0.75	62.55	6.91	23.63	130	1.83	2.26	+54	clear
9:13	2.5	7.5	0.75	62.58	6.91	23.59	124	1.80	2.27	+56	clear
9:14	3	9	1.5	62.60	6.92	23.60	16.3	1.81	2.27	+56	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
9:04 ~~9:43~~	9:14	1.0	9	3	65.15	62.60	9:15	TMW-11-032202-0915

Notes: 50ft well bottom pump stopped at 8:45
PID = 0.6 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003001

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/22/02
Project No.: EM2302	**Prepared By:** NC/RK
Well Identification: TMW-15	**Pump Intake Depth (ft-bmp):**
Measurement Point Description: Toc - redmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	69.39	87.44	18.05	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good (Toc above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
9:48	0.5	1.5	0.75	75.04	6.72	22.52	>999	0.911	1.83	-183	mostly clear
0950	1	3	0.75	76.81	7.05	23.22	>999	0.658	0.78	-180	" "
9:52	1.5	4.5	0.75	77.89	7.09	23.41	>999	0.839	1.77	-158	" "
9:54	2	6	0.75	78.21	7.14	23.48	644	0.94	1.98	-149	" "
9:56	2.5	7.5	0.75	77.82	7.17	23.56	232	0.94	2.84	-138	clear
9:59	3	9	0.5	77.85	7.16	23.78	>999	0.94	3.29	-83	mostly clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
9:46	9:59	0.71	9	3	73.00	73.00	10:05	TMW_15-032202_1005

Notes: Soft well bottom Observed sediment accumulating in Horiba flow-through cell. Sediment buildup may have affected parameters.
PID = 5.4 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003002

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance
Project No.: EM2303
Well Identification: WCC-115
Measurement Point Description: TOC - Blackmark
Date: 3/22/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp):

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	63.83	91.01	27.18	NA	18	54

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good, water in well box

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:40	0.5	9	1.5	66.13	6.99	22.23	49.8	1.91	2.19	-11	clear
10:46	1	18	~~3.0~~ 1.5	66.26	2.02	22.26	630.0	1.74	1.92	+22	" "
10:52	1.5	27	1.5	66.31	7.04	22.29	471.0	1.60	2.05	+31	" "
10:58	2	36	1.5	66.36	7.04	22.28	630	1.55	2.67	+47	" "
11:03	2.5	45	1.5	65.84	7.05	22.42	>999	1.47	2.20	+39	" "
11:08	3	54	1.5	65.54	7.05	22.48	>999	1.44	1.96	+37	" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
10:34	11:08	1.5	54	3	69.27	65.54	11:10	WCC115_TAIT032202_0001 ~~WCC-115_032202-1110~~

Notes: Solid well bottom
PID = 8.1 ppm

Duplicate: WCC115_TAIT032202_0002

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003003

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/22/02
Project No.: EM2303	**Prepared By:** NC/RK
Well Identification: XMW-19	**Pump Intake Depth (ft-bmp):**
Measurement Point Description: TOC-Blackmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	60.78	77.38	16.60	NA	10	30

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good (stinger + air line attached to cap)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
12:01	0.5	5	1.67	61.16	7.05	23.34	>999	1.69	3.06	+37	brown/muddy
12:04	1	10	1.67	61.15	7.07	23.39	>999	1.66	2.91	+64	muddy
12:07	1.5	15	1.67	61.17	7.06	23.34	>999	1.62	3.45	+65	muddy
12:10	2	20	1.67	61.18	7.01	23.48	>999	1.64	3.89	+28	mostly clear
12:13	2.5	25	1.67	61.18	7.04	23.44	>999	1.55	4.18	+36	mostly clear
12:17	3	30	1.25	61.19	7.04	23.47	>999	1.56	4.39	+24	slightly muddy

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
11:58	12:17	1.6	30	3	64.10	61.19	12:25	XMW_19_032202_1225

Notes: Solid well bottom Water was muddy, ~~was~~ not ~~poss~~ able to collect clear sample
PID = 0.3 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003004

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

BOE-C6-0003005

Project Name: GW Sampling - Boeing - Torrance
Date: 3/22/02
Project No.: EM2303
Prepared By: NC/RK
Well Identification: TMW-13
Pump Intake Depth (ft-bmp):
Measurement Point Description: TOC - Blackmark

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	65.45	78.48	13.03	NA	2	6

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good; dirt accumulated in well box.

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:27	0.5	1	1		7.07	22.87	>999	1.19	9.86	+64	Silty
13:29	1	2	0.5	65.74	6.91	23.01	604	1.25	6.47	+61	clear
13:30	1.5	3	1	65.76	6.85	23.14	620	1.33	5.52	+56	"
13:31	2	4	1	65.79	6.82	23.14	499	1.38	4.99	+61	"
13:32	2.5	5	1	65.80	6.82	23.17	329	1.41	4.80	+61	"
13:33	3	6	1	65.78	6.81	23.19	263	1.43	4.74	+61	"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
13:26	13:33	0.92	6	3	68.06	65.78	13:35	TMW_13_032202_1335

Notes: soft well bottom
PID=0.4 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

BOE-C6-0003006

Project Name: GW Sampling- Boeing-Torrance
Project No.: EM2303
Well Identification: WCC-95
Measurement Point Description: TOC-Redmark
Date: 3/22/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp): ~86 ft

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	60.35	87.68	27.33	NA	18	54

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
14:14	0.5	9	1	61.11	6.96	23.31	366	1.68	4.75	+40	clear
14:19	1	18	1	61.16	6.96	23.28	301	1.72	3.61	+44	clear
14:24	1.5	27	1	61.16	6.98	23.27	187	1.70	3.34	+47	clear
14:29	2	36	1	61.20	7.00	23.24	136	1.54	3.22	+50	clear
14:34	2.5	45	1	61.17	7.02	23.24	113	1.44	3.13	+52	clear
14:39	3	54	1	61.21	7.04	23.25	178	1.34	3.09	+55	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
14:09	14:39	1.0	54	3	65.82	61.21	14:40	WCC_95_032202_1440

Notes: soft well bottom
PID = 1.3 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/25/02	Chain of Custody Number: 050489
Address: 701 N. PARKCENTER DR.	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number:	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): C-6 FACILITY - BOEING-TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed	Matrix: Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC (8260B)	Special Instructions/ Conditions of Receipt
EB-TAIT032502-0001	3/25/02	8:45		X						3			X	
WCC-12S-032502-1005		10:05		X						3			X	
WCC-7S-032502-1135		11:35		X						3			X	
WCC-3S-032502-1250		12:50		X						3			X	
TMW-12-032502-1355		13:55		X						3			X	
TMW-1-032502-1500		1500		X						3			X	

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

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

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

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	[illegible]	[illegible]	1. Received By: [signature]	[illegible]	[illegible]
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

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

BOE-C6-0003007

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance
Project No.: EM2303
Well Identification: WCC-125
Measurement Point Description: TOC-Blackmark
Date: 3/25/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp):

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
	60.52	90.35	29.83		20	60

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY
Purge Method:
Well Condition: DIFFICULT TO ACCESS DUE to NARROW HOLE

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
9:36	0.5	10	2.5	61.62	7.10	23.52	61.0	1.37	7.24	+40	clear
9:40	1	20	2.5	61.66	7.16	23.52	36.1	1.32	5.31	+45	clear
9:45	1.5	30	2.0	61.69	7.19	23.53	11.7	1.26	4.86	+52	clear
9:50	2	40	2.0	61.69	7.20	23.54	10.0	1.23	4.78	+57	clear
9:57	2.5	50	~1.4	61.71	7.20	23.62	3.7	1.24	4.56	+53	clear
10:02	3	60	2.0	61.72	7.18	23.56	1.0	1.21	4.80	+61	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
9:32	10:02	2.10	60	3	66.49	61.72	10:05	WCC_125_032502_1005

Notes: soft well bottom
PID = 3.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003008

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/25/02
Project No.: EM2303	**Prepared By:** NC/RK
Well Identification: TMW-1	**Pump Intake Depth (ft-bmp):**
Measurement Point Description: TOC - Red mark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	69.59	85.17	15.58	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
14:34	0.5	1.5	0.75	70.64	6.94	24.23	>999	3.94	5.35	+24	silty
14:36	1	3	0.75	70.69	6.91	23.65	>999	4.47	5.62	+39	mostly clear
14:37	1.5	4.5	1.5	70.70	6.86	23.07	718	5.14	5.84	+49	" " "
14:39	2	6	0.75	70.85	6.87	22.99	346	5.25	5.88	+50	clear
14:43	2.5	7.5	0.38	70.65	6.99	23.49	>999	5.18	6.08	+57	clear
14:47	3	9	0.38	70.66	6.93	23.47	>999	5.20	6.32	+98	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
14:32	14:47	0.15	9	3	72.11	70.66	1500	TMW-1-082502-1500

Notes: Soft well bottom pump stopped (generator quit) at about 14:40 → restarted at 14:44
PID = 0.2 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003009

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance
Date: 3/25/02
Project No.: EM2303
Prepared By: NC/RK
Well Identification: WCC-75
Pump Intake Depth (ft-bmp): ~ 89 ft.
Measurement Point Description: TOC - Blackmark

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	63.61	90.44	26.83	NA	17	51

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY
Purge Method:
Well Condition: Good.

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
11:04	0.5	8.5	1.7	64.01	7.15	23.60	49.4	1.69	9.61	+37	clear
11:08	1	17	2.1	64.03	7.15	23.54	60.7	1.61	5.73	+42	" "
11:13	1.5	25.5	1.7	64.04	7.14	23.53	133	1.50	4.58	+47	" "
11:18	2	34	1.7	64.04	7.15	23.49	214	1.37	4.28	+50	" "
11:24	2.5	42.5	1.4	64.05	7.15	23.48	477	1.30	4.10	+52	" "
11:31	3	51	1.4	64.07	7.16	23.47	830	1.23	4.03	+55	" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
10:59	11:31	1.7	51	3	68.98	64.07	11:35	WCC-75-032502-1135

Notes: semi-soft well bottom
PID = 0.4

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003010

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/25/02
Project No.: EM2303	**Prepared By:** NC/RK
Well Identification: WCC-3S	**Pump Intake Depth (ft-bmp):**
Measurement Point Description: TOC - Blackmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	64.16	88.89	24.73	NA	16	48

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	(4)	6	0.02	0.16	(0.65)	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good, Dirt accumulated in well box

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
12:21	0.5	8	0.96	64.48	6.37	24.33	196	4.37	2.31	-106	clear
12:25	1	16	2	64.52	6.41	24.08	207	4.53	0.89	-125	" "
12:31	1.5	24	1.3	64.55	6.50	23.88	177	3.74	0.26	-155	" "
12:36	2	32	1.6	64.56	6.54	23.86	223	3.38	0.18	-170	" "
12:41	2.5	40	1.6	64.54	6.58	23.85	299	2.94	0.14	-179	" "
12:48	3	48	1.1	64.55	6.61	23.88	274	2.86	0.10	-182	" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
12:12	12:48	1.4	48	3	69.11	64.55	12:50	WCC-3S-032502-1250

Notes: well bottom semi-soft. Pump stopped at ~12:15.
PID = 0.4 ppm Tubing not completely in well, well cap not placed firmly on well.

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003011

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/25/03
Project No.: EN2303	**Prepared By:** NC/RK
Well Identification: TMW-12	**Pump Intake Depth (ft-bmp):** ~78 ft.
Measurement Point Description: TOC - Bluemark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	66.27	79.26	12.99	NA	2	6

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good (TOC above ground surface.

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:43	0.5	1	1	67.30	6.94	23.41	>999	2.14	3.46	+34	mostly clear
13:44	1	2	1	67.34	6.86	23.58	>999	2.03	2.89	+38	mostly clear
13:45	1.5	3	1	67.21	6.84	23.56	896	1.94	2.15	+40	" "
13:46	2	4	1	66.83	6.84	23.75	833	1.87	1.90	+41	" "
13:48	2.5	5	0.5	67.01	6.81	24.83	491	1.94	1.97	+24	clear
13:49	3	6	1	67.12	6.81	24.50	473	1.98	2.22	+27	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
13:42	13:49	0.92	6	3	68.87	67.12	13:55	TMW_12_032502_1355

Notes: Soft well bottom

PID = 0.3

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003012

Chain of Custody Record

ENTERED 3/28/02

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TAIT ENVIRONMENTAL MGMT.	Project Manager: SCOTT E. EK	Date: 3/27/02	Chain of Custody Number: 050491
Address: 701 N. PARKCENTER DR.	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number:	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): C-6 FACILITY BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC 8260B	Special Instructions/ Conditions of Receipt
EB-TAIT032702-0001	3/27/02	6:30		X						3			X	
XMW-18-032702-1115		11:15		X						3			X	
DAC-P1-032702-1215		12:15		X						3			X	
TB-TAIT032702-0001		—		X						3			X	

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

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

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

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Mirya Chandran	3/27/02	13:40	1. Received By: [signature]	3/27/02	13:40
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

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

BOE-C6-0003013

Chain of Custody Record

ENTERED

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (8700)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/26/02	Chain of Custody Number: 050490
Address: 701 N. PARKCENTER DR	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number:	Page 1 of 2
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): C-6 FACILITY - BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC/8260B	Special Instructions/ Conditions of Receipt
EB_TAIT032602_0001	3/26/02	7:30		X						3			X	
TMW_6_032602_1105		11:05		X						3			X	
BL_3_032602_1145		11:45		X						3			X	
TMW_9_032602_1220		12:20		X						3			X	
WCC_4S_032602_1315		13:15		X						3			X	
TMW4_TAIT032602_0001		14:00		X						3			X	
TMW4_TAIT032602_0002		14:00		X						3			X	
TMW_7_032602_1441		14:41		X						3			X	
WCC_6S_032602_1550		15:50		X						3			X	
TMW_8_032602_1630		16:30		X						3			X	
TMW_5_032602_1712		17:12		X						3			X	
TMW_3_032602_1745		17:45		X						3			X	

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

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

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/27/02	13:40	1. Received By: [signature]	3/27/02	13:40
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

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

BOE-C6-0003014

Chain of Custody Record

ENTERED 4/17/02

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TRIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/26/02	Chain of Custody Number: 050453
Address: 701 N. PARKCENTER DR	Telephone Number (Area Code/Fax Number): (714) 560-8200 / (714) 560-8235	Lab Number	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact	Lab Contact: BOZUKI	
Project Name and Location (State): CU FACILITY - BOEING - TORRANCE	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Soil	Oil	Containers & Preservatives: Unpres.	HCl/ICP	HNO3	NaOH	Zn Ac/NaOH	Other	Analysis (Attach list if more space is needed): Oil Spike (8015)	Special Instructions/ Conditions of Receipt
THW_2-032602_1835	3/26/02	1835		X									X	
TB-TRIT032602-0001		—		X									X	

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

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

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

QC Requirements (Specify):

1. Relinquished By: [illegible]	Date: 3/26/02	Time: 15:40	1. Received By: [illegible]	Date:	Time:
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments:

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

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED 7/29/02

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/27/02
Project No.: EM2303	**Prepared By:** NC/AK
Well Identification: DAC-P1	**Pump Intake Depth (ft-bmp):** ~89 ft
Measurement Point Description: TOC - Redmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	65.69	90.50	24.81	NA	16	48

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
11:50	0.5	8	1.8	69.58	7.31	23.3	36.6	1.88	4.59	+29	clear
11:54	1	16	2.0	70.40	7.30	23.3	34.5	1.45	4.50	+7	" "
11:58	1.5	24	2.0	70.82	7.22	23.3	4.7	1.85	4.97	+19	" "
12:02	2	32	2.0	71.14	7.19	23.4	2.1	1.97	5.47	+47	" "
12:05	2.5	40	2.6	71.22	7.17	23.4	0.6	1.98	5.66	+65	" "
12:09	3	48	2.0	71.35	7.16	23.4	0.4	2.00	5.77	+82	" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
11:45	12:09	2.1	48	3	70.65	70.65	12:15	DAC_P1_032702_1215

Notes: Soft well bottom
PID = 0.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED 3/29/02

Project Name: GW Sampling - Boeing Torrance
Project No.: EM2303
Well Identification: XMW-18
Measurement Point Description: TOC - Northside

Date: 3/26/02
Prepared By: NC | RK
Pump Intake Depth (ft-bmp): ~120 ft

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	65.58	139.01	73.43	NA	48	144

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Dirt in well box

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
9:20	0.5	24	0.24	79.42	9.11	23.8	652	0.762	3.50	-126	mostly clear
10:08	1	48	0.5	79.11	9.09	24.2	>999	0.794	1.35	-142	slightly silty
10:22	1.5	72	1.7	87.55	9.05	23.1	>999	0.790	0.83	-194	silty
10:38	2	96	1.5	86.16	8.85	22.9	>999	0.780	1.11	-197	slightly silty/flow adjusted
10:49	2.5	120	2.2	86.62	8.83	22.8	>999	0.770	1.0	-199	mostly clear
11:07	3	144	1.3	86.00	8.75	22.7	480	0.761	0.60	-200	clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
7:41	11:07	1.24	144	3	80.27	80.27	11:15	XMW-18-032702-1115

Notes: Soft well bottom pump stopped at 7:50, ~~Collected duplicate sample~~ NC
started again at 8:21, continued generator problems ~~until ~9:15.~~ Until ~10:00.
PID = 0.8 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED 2/27/04

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/26/02
Project No.: EM2303	**Prepared By:** NC/RK
Well Identification: TMW-2	**Pump Intake Depth (ft-bmp):** ~84 ft
Measurement Point Description: TOC - Bluemark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	69.51	85.18	15.67	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
18:21	0.5	1.5	0.75	72.92	7.60	22.2	45.8	3.20	3.35	-83	tarry, Smelly
18:23	1	3	0.75	73.00	7.62	22.4	8.2	3.11	3.04	-90	mostly clear
18:24	1.5	4.5	1.5	73.44	7.70	22.7	6.5	2.91	2.72	-100	clear
18:26	2	6	0.75	73.98	7.73	22.5	0.4	3.00	2.54	-104	clear
18:28	2.5	7.5	0.75	74.13	7.76	22.5	0.3	2.92	2.38	-110	"
18:29	3	9	1.5	74.15	7.79	22.5	1.5	2.84	2.28	-113	"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
18:19	18:29	1.0	9	3	72.64	72.64	18:35	TMW-2-032602-1835

Notes: soft well bottom
PID = 0.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/26/02
Project No.: EH2303	**Prepared By:** NC/RK
Well Identification: TMW-6	**Pump Intake Depth (ft-bmp):** ~84 ft
Measurement Point Description: TOC-Bluemark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	70.68	85.79	15.11	NA	2	6

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good (TOC above ground surface

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:57	0.5	1	0.5	70.95	5.90	22.1	98.4	1.65	12.35	+176	clear
10:58	1	2	1	70.96	6.10	22.4	123	1.65	9.24	+169	clear
10:59	1.5	3	1	70.95	6.26	22.6	83.7	1.66	8.24	+160	clear
11:01	2	4	0.5	70.96	6.42	22.6	52.9	1.65	7.77	+150	" "
11:02	2.5	5	1	70.97	6.51	22.6	40.9	1.63	7.53	+144	" "
11:03	3	6	1	70.97	6.56	22.6	19.2	1.62	7.37	+139	" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
10:55	11:03	0.83	6	3	73.70	70.97	11:05	TMW-6_032602_1105

Notes: soft well bottom
PID = 0.2 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

ENTERED

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

4/22/02 KA

Project Name: GW Sampling - Boeing Torrance
Project No.: EM2303
Well Identification: BL-3
Measurement Point Description: TOC - Blackmark

Date: 3/26/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp): ~80 ft

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	70.37	81.29	10.92	NA	2	6

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good (Water in well box)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:39	0.5	1	0.5	70.75	6.45	23.5	417	2.97	9.41	+124	mostly clear
10:40	1	2	1	70.79	6.49	23.3	355	3.14	8.87	+117	clear
10:41	1.5	3	1	70.81	7.20	23.3	310	3.22	8.39	+114	"
10:42	2	4	1	70.83	7.49	23.3	261	3.27	8.13	+114	"
11:43	2.5	5	1	70.85	7.55	23.3	203	3.31	7.91	+114	"
11:44	3	6	1	70.85	7.58	23.4	146	3.30	7.77	+115	"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
11:37	11:44	0.92	6	3	72.55	70.85	11:45	BL-3-032602-1145

Notes: Solid well bottom
PID = 38.6 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED 3/27/02

Project Name: GW Sampling- Boeing- Torrance	**Date:** 3/26/02
Project No.: EM2303	**Prepared By:** NC/RK
Well Identification: TMW-9	**Pump Intake Depth (ft-bmp):** ~79 ft
Measurement Point Description: TOC - Blackmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	66.35	80.16	13.81	NA	2	6

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
12:11	0.5	1	1	67.47	8.13	23.3	291	1.25	8.21	+79	clear
12:12	1	2	1	67.81	8.14	23.3	239	1.25	7.26	+55	"
12:13	1.5	3	1	68.12	8.15	23.3	385	1.27	6.76	+46	"
12:14	2	4	1	68.25	8.15	23.3	783	1.28	6.52	+42	"
12:15	2.5	5	1	67.99	8.15	23.6	>999	1.29	6.27	+37	silty
12:16	3	6	1	68.04	8.15	23.4	>999	1.29	6.21	+36	mostly clear

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
12:10	12:16	1.0	6	3	69.11	68.04	12:20	TMW_9_032602_1220

Notes: soft well bottom

PID = 0.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED 3/2002

Project Name: GW Sampling - Boeing Torrance
Project No.: EN2303
Well Identification: WCC-4S
Measurement Point Description: TOC - Blackmark
Date: 3/26/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp): ~88 ft

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	62.77	89.72	26.95	NA	18	54

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good (Water in well box

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
12:47	0.5	9	1.3	63.30	7.90	23.5	14.1	2.56	8.13	+35	clear
12:52	1	18	1.8	63.35	7.90	23.5	8.6	2.50	5.35	+42	"
12:57	1.5	27	1.8	63.36	7.93	23.5	0.8	2.27	4.44	+23	"
13:02	2	36	1.8	63.35	7.94	23.5	4.6	2.19	6.12	+9	"
13:07	2.5	45	1.8	63.36	7.92	23.5	5.1	2.01	3.86	-6	"
13:12	3	54	1.8	63.35	7.99	23.5	5.2	1.99	3.63	-11	"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
12:40	13:12	1.7	54	3	68.16	63.35	13:15	WCC_4S_032602_1315

Notes: soft well bottom
PID=1.8 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

ENTERED 4/27/02

Groundwater Sampling Data Sheet

Project Name: GW Sampling- Boeing Torrance
Date: 3/26/02
Project No.: EM2303
Prepared By: NC/RK
Well Identification: TMW-4
Pump Intake Depth (ft-bmp): ~79 ft
Measurement Point Description: TOC - Bluemark

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	66.20	80.28	14.08	NA	2	6

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity mS/cm	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:51	0.5	1	0.5	66.55	8.0	23.4	555.0	1.82	6.93	+68	clear
13:52	1	2	1	66.60 NC	8.01	23.1	289	1.85	6.76	+61	clear
13:54	1.5	3	0.5	66.63	8.01	23.2	127	1.85	6.38	+51	clear
13:55	2	4	1	66.69	8.02	23.6	109	1.82	6.12	+10	"
13:56	2.5	5	1	66.73	8.04	23.2	64	1.84	6.13	+17	"
13:57	3	6	1	66.76	8.02	23.0	36	1.84	6.01	+33	"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
13:49	13:57	0.9	6	3	69.02	66.76	14:00	TMW4_TAIT032602_0001 ~~TMW-4-032602~~

Notes: Soft well bottom
PID = 0.4 ppm
Collected duplicate sample TMW4_TAIT032602_0002

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED 3/27/02 KK

Project Name: GW Sampling- Boeing Torrance	**Date:** 3/26/02
Project No.: EM2303	**Prepared By:** NC/RK
Well Identification: TMW-7	**Pump Intake Depth (ft-bmp):** ~ 82 ft
Measurement Point Description: TOC - Redmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	66.05	83.64	17.59	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Good (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
14:32	0.5	1.5	0.75	66.68	8.10	23.2	188	1.76	6.49	+76	clear
14:33	1	3	1.5	66.72	8.08	23.2	147	1.76	6.01	+69	"
14:35	1.5	4.5	0.75	66.75	8.06	23.2	114	1.75	5.50	+65	"
14:36	2	6	1.5	66.77	8.06	23.3	92.7	1.74	5.24	+64	"
14:38	2.5	7.5	0.75	66.79	8.05	23.2	72.9	1.74	5.04	+63	"
14:39	3	9	1.5	66.80	8.05	23.3	51.4	1.74	4.90	+63	"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
14:30	14:39	1.1	9	3	69.57	66.80	14:41	TMW_7_032602_1441

Notes: Soft well bottom
PID = 0.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003024

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

3/27/02 RK

Project Name: GW Sampling - Boeing - Torrance	**Date:** 3/26/02
Project No.: EN2303	**Prepared By:** NC/RK
Well Identification: WCC-6S	**Pump Intake Depth (ft-bmp):** ~ 79 ft.
Measurement Point Description: TOC - Blackmark	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	64.78	79.90	15.12	NA	10	30

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG

Purge Method:

Well Condition: Dirt sits in well box up to TOC.

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
15:26	0.5	5	1.67	66.75	8.17	24.0	>999	1.77	7.24	-149	grey, has oder
15:30	1	10	1.25	66.10	8.12	24.6	989	1.87	3.94	-135	grey " "
15:35	1.5	15	1	65.96	7.97	24.7	>999	2.07	3.01	-142	" "
15:40	2	20	1	66.37	7.93	24.4	>999	2.15	2.60	-143	" "
15:44	2.5	25	1.25	66.64	7.92	23.8	>999	2.17	2.35	-138	" "
15:49	3	30	1.25	66.45	7.89	24.0	>999	2.20	2.12	-137	" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
15:23	15:49	1.2	30	3	67.80	66.45	15:50	WCC_6S_032602_1550

Notes: Soft well bottom Pump stopped (generator overload) at 15:27
Erratic recharge rate during purging.
PID=0.5 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003025

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED 4/1/02

Project Name: GW Sampling - Boeing Torrance
Project No.: EM02303
Well Identification: TMW-8
Measurement Point Description: TOC - Blackmark
Date: 3/26/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp): ~81 ft

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	67.46	82.61	15.15	NA	2	6

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good (TOC above ground surface.

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
16:24	0.5	1	1	67.92	7.96	23.2	243	1.67	5.54	-36	clear
16:25	1	2	1	67.94	7.92	23.4	205	1.67	4.51	-49	"
16:26	1.5	3	1	67.94	7.89	23.6	103	1.65	3.79	-51	"
16:27	2	4	1	67.96	7.86	23.5	85.4	1.64	3.44	-51	"
16:28	2.5	5	1	67.98	7.85	23.4	73.2	1.65	3.20	-51	"
16:29	3	6	1	67.99	7.85	23.6	112	1.64	2.99	-52	"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
16:23	16:29	1.0	6	3	70.49	67.99	16:30	TMW-8_032602_1630

Notes: Soft well bottom
PID = 0.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003026

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

ENTERED 4/2/02

Project Name: GW Sampling - Boeing - Torrance
Project No.: EM2303
Well Identification: TMW-3
Measurement Point Description: TOC - Bluemark

Date: 3/26/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp): ~ 80 ft

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	65.05	81.77	16.72	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
17:34	0.5	1.5	1.5	65.56	8.02	22.4	>999	1.45	8.34	+66	Somewhat silty
17:36	1	3	0.75	65.65	8.03	23.1	>999	1.44	7.42	+32	clear
17:38	1.5	4.5	0.75	65.71	8.04	23.1	203	1.42	7.31	+18	clear
17:40	2	6	0.75	65.75	8.04	23.1	93.2	1.41	7.18	+19	clear
17:42	2.5	7.5	0.75	65.78	8.03	23.1	57.1	1.42	7.04	+20	" "
17:43	3	9	1.5	65.80	8.02	23.1	36.3	1.42	6.98	+25	" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
17:33	17:43	1.0	9	3	68.39	65.80	17:45	TMW-3_032602_1745

Notes: Soft well bottom
PID = 0.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc.

Groundwater Sampling Data Sheet

ENTERED 3/27/02

Project Name: GW Sampling - Boeing - Torrance
Project No.: EM2303
Well Identification: TMW-5
Measurement Point Description: TOC - Bluemark

Date: 3/26/02
Prepared By: NC/RK
Pump Intake Depth (ft-bmp): ~ 82 ft

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)
ND	67.54	83.18	15.64	NA	3	9

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: SEE DAILY LOG
Purge Method:
Well Condition: Good (TOC above ground surface)

Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
17:02	0.5	1.5	0.75	67.83	8.32	23.3	>999	0.903	7.92	+9	mostly clear
17:04	1	3	0.75	67.85	8.30	23.6	506	0.859	7.19	-9	clear
17:06	1.5	4.5	0.75	67.90	8.31	23.4	105	0.837	6.92	-22	"
17:07	2	6	1.5	67.93	8.31	23.2	72.4	0.831	6.78	-21	"
17:09	2.5	7.5	0.75	67.96	8.31	23.0	55.3	0.831	6.64	-15	"
17:11	3	9	0.75	67.97	8.29	22.9	48.2	0.830	6.53	-4	"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
17:00	17:11	0.88	9	3	~~70.87~~ ~~+2.57~~ NC	67.97	17:12	TMW-5-032602-1712

Notes: Soft well bottom
PID = 0.1 ppm

ft-bmp = feet below measuring point
LNAPL = light non-aqueous phase liquid
M:\TEM2\Field Forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0003028

APPENDIX B

Analytical Reports and Chain-of Custody Records (CD)

SEVERN TRENT SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

May 21, 2002

STL LOT NUMBER: E2C210335r
NELAP Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002

Scott Ek
Tait Environmental
701 Park Center Drive
Santa Ana, CA 92705

Dear Mr. Ek:

This report contains the analytical results for the seven samples received under chain of custody by STL Los Angeles on March 21, 2002. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

This report has been revised to include the 8260 compound 1,1-DCE that was omitted from the original report. All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

Page 1 of 000030 total pages in this report.

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0003030

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/21/02	Chain of Custody Number: 050486
Address: 701 N. PARKCENTER DR	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number: E2C210335	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): VOC (8260B)											Special Instructions/ Conditions of Receipt
EB-TAIT032102_0001	3/21/02	8:45		X							3				X											
MW_09_032102_0945	3/21/02	9:45		X							3				X											
WCC_55_032102_1055	3/21/02	10:55		X							3				X											
TMW_16_032102_1205	3/21/02	12:05		X							3				X											
TMW_10_032102_1320	3/21/02	13:20		X							3				X											
WCC_3D_032102_1605	3/21/02	16:05		X							3				X											
TB-TAIT032102_0001	3/21/02			X							3				X											

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other STANDARD

QC Requirements (Specify):

1. Relinquished By: Mutya Chandran	Date: 3/21/02	Time: 17:53	1. Received By: [signature]	Date: 3/21/02	Time: 17:53
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

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

BOE-C6-0003031

STL LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 3/21/02

Quantims Lot #: E2C210335
Quote #: 40334
Client Name: TATT
Project: Boeing - Torrance
Received by: [illegible]
Date/Time Received: 3/21/02 17:53
Delivered by : [X] Client [ ] Airborne [ ] Fed Ex [ ] DHL [ ] In-House Courier [ ] Rey B. [ ] UPS [ ] DES [ ] Other

Initial / Date

Custody Seal Status: [ ] Intact [ ] Broken [X] None ..... AR 3/21/02
Custody Seal #(s): [X] No Seal # .....
Sample Container(s): [X] STL-LA [ ] Client [ ] N/A .....
Temperature(s) (Cooler/blank) in °C: 3.6 Correction factor -0.1°C (Corrected Temp.) 3.5°C
Thermometer Used : ID: B [X] IR (Infra-red) [ ] Digital (Probe) .....
Samples: [X] Intact [ ] Broken [ ] Other .....
Anomalies: [X] No [ ] Yes (See Clouseau) .....
Labeled by AS .....
Labeling checked by AR .....

Turn Around Time: [ ] RUSH-24HR [ ] RUSH-48HR [ ] RUSH-72HR [X] NORMAL .....
Short-Hold Notification: [ ] Ph [ ] Wet Chem [ ] Metals (Filter/Pres) [ ] Encore [X] N/A ...
Outside Analysis(es) (Test/Lab/Date Sent Out) : none

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	1-27										PH
VOAh /*	3										N/A

h:HCl na:Sodium Hydoxide znna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/f/l:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA SL:Sleeve
* Number of VOA's w/ Headspace present

LOGGED BY/DATE: [illegible] 3/21/02 REVIEWED BY/DATE: [illegible] 3/22/02

PRC Ver. 6 081401 XRF
CANACAB1\N:\Precis\Sample Control Forms

000003

BOE-C6-0003032

SEVERN
TRENT
SERVICES

Analytical Report

000004

EXECUTIVE SUMMARY - Detection Highlights

E2C210335

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EB_TAIT032102_0001 03/21/02 08:45 001				
Acetone	14	10	ug/L	SW846 8260B
XMW_09_032102_0945 03/21/02 09:45 002				
Chlorobenzene	260	25	ug/L	SW846 8260B
Chloroform	1400	25	ug/L	SW846 8260B
Tetrachloroethene	55	25	ug/L	SW846 8260B
Trichloroethene	30	25	ug/L	SW846 8260B
WCC_55_032102_1055 03/21/02 10:55 003				
Chlorobenzene	0.42 J	1.0	ug/L	SW846 8260B
Chloroform	0.76 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.42 J	1.0	ug/L	SW846 8260B
Toluene	5.5	1.0	ug/L	SW846 8260B
Trichloroethene	1.8	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	0.61 J	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	6.2	1.0	ug/L	SW846 8260B
TMW_16_032102_1205 03/21/02 12:05 004				
Acetone	4.7 J	10	ug/L	SW846 8260B
Chloroform	0.47 J	1.0	ug/L	SW846 8260B
Isopropylbenzene	0.35 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.94 J	1.0	ug/L	SW846 8260B
Toluene	1.1	1.0	ug/L	SW846 8260B
Trichloroethene	1.6	1.0	ug/L	SW846 8260B
TMW_10_032102_1320 03/21/02 13:20 005				
Dichlorodifluoromethane	1.7	1.0	ug/L	SW846 8260B
Chloroform	3.0	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.88 J	1.0	ug/L	SW846 8260B
Toluene	5.5	1.0	ug/L	SW846 8260B
Trichloroethene	3.7	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	1.2 J	2.0	ug/L	SW846 8260B
WCC_3D_032102_1605 03/21/02 16:05 006				
Acetone	7.1 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.7	1.0	ug/L	SW846 8260B
Toluene	3.0	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	6.7	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E2C210335

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WCC_3D_032102_1605 03/21/02 16:05 006				
Trichloroethene	1.8	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	8.7	1.0	ug/L	SW846 8260B
TB_TAIT032102_0001 03/21/02 007				
Acetone	7.2 J	10	ug/L	SW846 8260B

METHODS SUMMARY

E2C210335

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E2C210335

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EWRFE	001	EB_TAIT032102_0001	03/21/02	08:45
EWRFF	002	XMW_09_032102_0945	03/21/02	09:45
EWRFG	003	WCC_55_032102_1055	03/21/02	10:55
EWRFH	004	TMW_16_032102_1205	03/21/02	12:05
EWRFJ	005	TMW_10_032102_1320	03/21/02	13:20
EWRFK	006	WCC_3D_032102_1605	03/21/02	16:05
EWRFL	007	TB_TAIT032102_0001	03/21/02	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032102_0001

GC/MS Volatiles

Lot-Sample #...: E2C210335-001 **Work Order #...:** EWRFE1AA **Matrix.....:** WATER
Date Sampled...: 03/21/02 08:45 **Date Received..:** 03/21/02 17:53
Prep Date.....: 03/21/02 **Analysis Date..:** 03/22/02
Prep Batch #...: 2081279 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**14**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032102_0001

GC/MS Volatiles

Lot-Sample #...: E2C210335-001 Work Order #...: EWRFE1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	99	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: XMW_09_032102_0945

GC/MS Volatiles

Lot-Sample #...: E2C210335-002 **Work Order #...:** EWRFF1AA **Matrix.....:** WATER
Date Sampled...: 03/21/02 09:45 **Date Received..:** 03/21/02 17:53
Prep Date.....: 03/21/02 **Analysis Date..:** 03/22/02
Prep Batch #...: 2081279 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	250	ug/L
Benzene	ND	25	ug/L
Bromobenzene	ND	25	ug/L
Bromochloromethane	ND	25	ug/L
Bromoform	ND	25	ug/L
Bromomethane	ND	50	ug/L
Carbon tetrachloride	ND	12	ug/L
2-Butanone	ND	120	ug/L
n-Butylbenzene	ND	25	ug/L
sec-Butylbenzene	ND	25	ug/L
tert-Butylbenzene	ND	25	ug/L
Carbon disulfide	ND	25	ug/L
Chlorobenzene	**260**	**25**	**ug/L**
Dibromochloromethane	ND	25	ug/L
Dichlorodifluoromethane	ND	25	ug/L
Bromodichloromethane	ND	25	ug/L
1,2-Dichloroethane	ND	12	ug/L
Chloroethane	ND	50	ug/L
Chloroform	**1400**	**25**	**ug/L**
Chloromethane	ND	50	ug/L
2-Chlorotoluene	ND	25	ug/L
4-Chlorotoluene	ND	25	ug/L
1,2-Dibromo-3-chloro-propane	ND	50	ug/L
1,2-Dibromoethane	ND	25	ug/L
Iodomethane	ND	50	ug/L
1,2-Dichlorobenzene	ND	25	ug/L
1,3-Dichlorobenzene	ND	25	ug/L
1,4-Dichlorobenzene	ND	25	ug/L
1,1-Dichloroethane	ND	25	ug/L
cis-1,2-Dichloroethene	ND	25	ug/L
trans-1,2-Dichloroethene	ND	25	ug/L
Vinyl chloride	ND	12	ug/L
2,2-Dichloropropane	ND	25	ug/L
1,1-Dichloropropene	ND	25	ug/L
Ethylbenzene	ND	25	ug/L
Hexachlorobutadiene	ND	25	ug/L
2-Hexanone	ND	120	ug/L
Isopropylbenzene	ND	25	ug/L
p-Isopropyltoluene	ND	25	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: XMW_09_032102_0945

GC/MS Volatiles

Lot-Sample #...: E2C210335-002 Work Order #...: EWRFF1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	25	ug/L
4-Methyl-2-pentanone	ND	120	ug/L
Methyl tert-butyl ether	ND	25	ug/L
n-Propylbenzene	ND	25	ug/L
Styrene	ND	25	ug/L
1,1,1,2-Tetrachloroethane	ND	25	ug/L
1,1,2,2-Tetrachloroethane	ND	25	ug/L
Tetrachloroethene	**55**	**25**	**ug/L**
Toluene	ND	25	ug/L
1,2,3-Trichlorobenzene	ND	25	ug/L
1,2,4-Trichloro-benzene	ND	25	ug/L
1,1,1-Trichloroethane	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
Trichloroethene	**30**	**25**	**ug/L**
Trichlorofluoromethane	ND	50	ug/L
1,2,3-Trichloropropane	ND	25	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	25	ug/L
1,2,4-Trimethylbenzene	ND	25	ug/L
1,3,5-Trimethylbenzene	ND	25	ug/L
Xylenes (total)	ND	25	ug/L
Acrolein	ND	500	ug/L
Acrylonitrile	ND	500	ug/L
Vinyl acetate	ND	120	ug/L
Tetrahydrofuran	ND	250	ug/L
2-Chloroethyl vinyl ether	ND	120	ug/L
1,1-Dichloroethene	ND	25	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
Toluene-d8	102	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_55_032102_1055

GC/MS Volatiles

Lot-Sample #...: E2C210335-003 **Work Order #...:** EWRFG1AA **Matrix.....:** WATER
Date Sampled...: 03/21/02 10:55 **Date Received..:** 03/21/02 17:53
Prep Date.....: 03/21/02 **Analysis Date..:** 03/22/02
Prep Batch #...: 2081279 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	**0.42 J**	**1.0**	**ug/L**
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**0.76 J**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_55_032102_1055

GC/MS Volatiles

Lot-Sample #...: E2C210335-003 Work Order #...: EWRFG1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.42 J**	**1.0**	**ug/L**
Toluene	**5.5**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.8**	**1.0**	**ug/L**
Trichlorofluoromethane	**0.61 J**	**2.0**	**ug/L**
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	**6.2**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_16_032102_1205

GC/MS Volatiles

Lot-Sample #...: E2C210335-004 Work Order #...: EWRFH1AA Matrix.....: WATER
Date Sampled...: 03/21/02 12:05 Date Received..: 03/21/02 17:53
Prep Date.....: 03/21/02 Analysis Date..: 03/22/02
Prep Batch #...: 2081279 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**4.7 J**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**0.47 J**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	**0.35 J**	**1.0**	**ug/L**
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_16_032102_1205

GC/MS Volatiles

Lot-Sample #...: E2C210335-004 Work Order #...: EWRFH1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.94 J**	**1.0**	**ug/L**
Toluene	**1.1**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.6**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	98	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_10_032102_1320

GC/MS Volatiles

Lot-Sample #...: E2C210335-005 **Work Order #...:** EWRFJ1AA **Matrix.....:** WATER
Date Sampled...: 03/21/02 13:20 **Date Received..:** 03/21/02 17:53
Prep Date.....: 03/21/02 **Analysis Date..:** 03/22/02
Prep Batch #...: 2081279 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	**1.7**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**3.0**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_10_032102_1320

GC/MS Volatiles

Lot-Sample #...: E2C210335-005 Work Order #...: EWRFJ1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.88 J**	**1.0**	**ug/L**
Toluene	**5.5**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.7**	**1.0**	**ug/L**
Trichlorofluoromethane	**1.2 J**	**2.0**	**ug/L**
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
1,2-Dichloroethane-d4	104	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: WCC_3D_032102_1605

GC/MS Volatiles

Lot-Sample #...: E2C210335-006 Work Order #...: EWRFK1AA Matrix.....: WATER
Date Sampled...: 03/21/02 16:05 Date Received..: 03/21/02 17:53
Prep Date.....: 03/21/02 Analysis Date..: 03/22/02
Prep Batch #...: 2081279 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**7.1 J**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.7**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_3D_032102_1605

GC/MS Volatiles

Lot-Sample #...: E2C210335-006 Work Order #...: EWRFK1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**3.0**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**6.7**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.8**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	**8.7**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032102_0001

GC/MS Volatiles

Lot-Sample #...: E2C210335-007 Work Order #...: EWRFL1AA Matrix.....: WATER
Date Sampled...: 03/21/02 Date Received..: 03/21/02 17:53
Prep Date.....: 03/21/02 Analysis Date..: 03/22/02
Prep Batch #...: 2081279 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**7.2 J**	**10**	**ug/L**
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032102_0001

GC/MS Volatiles

Lot-Sample #...: E2C210335-007 Work Order #...: EWRFL1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	99	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

SEVERN
TRENT
SERVICES

QA/QC

000023

QC DATA ASSOCIATION SUMMARY

E2C210335

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		2081279	2081135
002	WATER	SW846 8260B		2081279	2081135
003	WATER	SW846 8260B		2081279	2081135
004	WATER	SW846 8260B		2081279	2081135
005	WATER	SW846 8260B		2081279	2081135
006	WATER	SW846 8260B		2081279	2081135
007	WATER	SW846 8260B		2081279	2081135

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C210335 **Work Order #...:** EWR6L1AA **Matrix.....:** WATER
MB Lot-Sample #: E2C220000-279

Prep Date.....: 03/21/02
Analysis Date..: 03/21/02 **Prep Batch #...:** 2081279

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C210335 **Work Order #...:** EWR6L1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(75 - 130)
1,2-Dichloroethane-d4	94	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C210335 Work Order #...: EWR6L1AC Matrix.....: WATER
LCS Lot-Sample#: E2C220000-279
Prep Date.....: 03/21/02 Analysis Date..: 03/21/02
Prep Batch #...: 2081279

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**109**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**108**	**(75 - 120)**	**SW846 8260B**
Toluene	**111**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**105**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(70 - 140)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(75 - 130)
1,2-Dichloroethane-d4	92	(65 - 135)
Toluene-d8	108	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C210335 **Work Order #...:** EWR6L1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2C220000-279
Prep Date.....: 03/21/02 **Analysis Date..:** 03/21/02
Prep Batch #...: 2081279

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**10.9**	**ug/L**	**109**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**
Toluene	**10.0**	**11.1**	**ug/L**	**111**	**SW846 8260B**
Trichloroethene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(75 - 130)
1,2-Dichloroethane-d4	92	(65 - 135)
Toluene-d8	108	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C210335 **Work Order #...:** EWRFT1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: E2C210336-004 EWRFT1AE-MSD
Date Sampled...: 03/21/02 11:15 **Date Received..:** 03/21/02 20:00
Prep Date.....: 03/21/02 **Analysis Date..:** 03/22/02
Prep Batch #...: 2081279

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**103**	**(75 - 120)**			**SW846 8260B**
	106	**(75 - 120)**	**2.5**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**103**	**(75 - 120)**			**SW846 8260B**
	106	**(75 - 120)**	**2.4**	**(0-25)**	**SW846 8260B**
Toluene	**103**	**(75 - 125)**			**SW846 8260B**
	107	**(75 - 125)**	**4.3**	**(0-25)**	**SW846 8260B**
Trichloroethene	**102**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**0.99**	**(0-25)**	**SW846 8260B**
1,1-Dichloroethene	**98**	**(70 - 140)**			**SW846 8260B**
	99	**(70 - 140)**	**1.4**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	108	(75 - 130)
	106	(75 - 130)
1,2-Dichloroethane-d4	109	(65 - 135)
	104	(65 - 135)
Toluene-d8	104	(80 - 130)
	106	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C210335 **Work Order #...:** EWRFT1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: E2C210336-004 EWRFT1AE-MSD
Date Sampled...: 03/21/02 11:15 **Date Received..:** 03/21/02 20:00
Prep Date.....: 03/21/02 **Analysis Date..:** 03/22/02
Prep Batch #...: 2081279

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	ND	**10.0**	**10.6**	**ug/L**	**106**	**2.5**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	ND	**10.0**	**10.6**	**ug/L**	**106**	**2.4**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	ND	**10.0**	**10.7**	**ug/L**	**107**	**4.3**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**10.2**	**ug/L**	**102**		**SW846 8260B**
	ND	**10.0**	**10.0**	**ug/L**	**100**	**0.99**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**9.75**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**9.89**	**ug/L**	**99**	**1.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	108	(75 - 130)
	106	(75 - 130)
1,2-Dichloroethane-d4	109	(65 - 135)
	104	(65 - 135)
Toluene-d8	104	(80 - 130)
	106	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

SEVERN TRENT SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

May 21, 2002

STL LOT NUMBER: E2C220334r
NELAP Certification Number: 01118CA
PO/CONTRACT: 05220-SEV001

Scott Ek
Tait Environmental
701 Park Center Drive
Santa Ana, CA 92705

Dear Mr. Ek,

This report contains the analytical results for the 10 samples received under chain of custody by STL Los Angeles on March 22, 2002. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

This report has been revised to include the 8260 compound 1,1-DCE that was omitted from the original report. All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

Page 1 of 000036 total pages in this report.

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0003060

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/22/02	Chain of Custody Number: 050488
Address: 701 N. PARKCENTER DR	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number: E2C220334	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): VOC (8260B)	Special Instructions/ Conditions of Receipt
EB-TAIT032202-0001	3/22/02	7:20		X							3				X	
TMW_14_032202_0815	↓	8:15		X							3				X	
TMW_11_032202_0915		9:15		X							3				X	
TMW_15_032202_1005		10:05		X							3				X	
WCC/IS_TAIT032202_0001		11:10		X							3				X	
WCC/IS_TAIT032202_0002		11:10		X							3				X	
XMW_19_032202_1225		12:25		X							3				X	
TMW_13_032202_1335		13:35		X							3				X	
WCC_9S_032202_1440		14:40		X							3				X	
TB_TAIT032202_0001		—		X							3				X	

200000

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other STANDARD

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Nulya Chandran	3/22/02	1700	1. Received By:	3/22/02	1700
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

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

BOE-C6-0003061

STL LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 03/22/02

Quantims Lot #: E2C220334 Quote #: 40334

Client Name: Tait Project: Boeing-Torrance

Received by: R Sbuki Date/Time Received: 03/22/02 1700

Delivered by : ☒Client ☐Airborne ☐Fed Ex ☐DHL ☐In-House Courier ☐Rey B. ☐UPS ☐DES ☐Other _____

	Initial / Date
Custody Seal Status: ☐Intact ☐Broken ☒None	RS 03/22/02
Custody Seal #(s): ☒No Seal #	
Sample Container(s): ☒STL-LA ☐Client ☐N/A	
Temperature(s) (Cooler/blank) in °C: 4.8 Correction factor -0.1°C (Corrected Temp.) 4.7°C	
Thermometer Used : ID: B ☒IR (Infra-red) ☐Digital (Probe)	
Samples: ☒Intact ☐Broken ☐Other	
Anomalies: ☒No ☐Yes (See Clouseau)	
Labeled by RS	
Labeling checked by MR	

Turn Around Time: ☐RUSH-24HR ☐RUSH-48HR ☐RUSH-72HR ☒NORMAL

Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A

Outside Analysis(es) (Test/Lab/Date Sent Out) :

N/A

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	1→10										PH
VOAh /*	3										N/A

h:HCl na:Sodium Hydroxide znna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/f/l:HNO3-Lab filtered

CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA SL:Sleeve

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: 3/22/02 REVIEWED BY/DATE: 3-25-02

PRC Ver. 5 081401 KAF QANACA01\N:\Precis\Sample Control Forms

000003

BOE-C6-0003062

SEVERN
TRENT
SERVICES

Analytical Report

000004

EXECUTIVE SUMMARY - Detection Highlights

E2C220334

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TMW_14_032202_0815 03/22/02 08:15 002				
Carbon tetrachloride	2.0	0.50	ug/L	SW846 8260B
Chloroform	3.9	1.0	ug/L	SW846 8260B
Tetrachloroethene	1.4	1.0	ug/L	SW846 8260B
Toluene	6.4	1.0	ug/L	SW846 8260B
Trichloroethene	11	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	0.35 J	1.0	ug/L	SW846 8260B
TMW_11_032202_0915 03/22/02 09:15 003				
Carbon tetrachloride	3.3	2.5	ug/L	SW846 8260B
Chloroform	340	5.0	ug/L	SW846 8260B
Tetrachloroethene	5.7	5.0	ug/L	SW846 8260B
Trichloroethene	7.0	5.0	ug/L	SW846 8260B
TMW_15_032202_1005 03/22/02 10:05 004				
Chloroform	5.2	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.2	1.0	ug/L	SW846 8260B
Toluene	9.8	1.0	ug/L	SW846 8260B
Trichloroethene	30	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	0.49 J	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.69 J	1.0	ug/L	SW846 8260B
WCC11S_TAIT032202_0001 03/22/02 11:10 005				
1,1-Dichloroethane	0.38 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	14	1.0	ug/L	SW846 8260B
Toluene	6.0	1.0	ug/L	SW846 8260B
Trichloroethene	72	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	16	1.0	ug/L	SW846 8260B
WCC11S_TAIT032202_0002 03/22/02 11:10 006				
1,1-Dichloroethane	0.41 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	14	1.0	ug/L	SW846 8260B
Toluene	4.3	1.0	ug/L	SW846 8260B
Trichloroethene	73	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	16	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E2C220334

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
XMW_19_032202_1225 03/22/02 12:25 007				
Chloroform	87	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.58 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.77 J	1.0	ug/L	SW846 8260B
Toluene	0.62 J	1.0	ug/L	SW846 8260B
Trichloroethene	10	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.58 J	1.0	ug/L	SW846 8260B
TMW_13_032202_1335 03/22/02 13:35 008				
Carbon tetrachloride	1.2	0.50	ug/L	SW846 8260B
Chloroform	8.7	1.0	ug/L	SW846 8260B
Methylene chloride	0.31 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	3.2	1.0	ug/L	SW846 8260B
Trichloroethene	74	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.31 J	1.0	ug/L	SW846 8260B
WCC_9S_032202_1440 03/22/02 14:40 009				
Dichlorodifluoromethane	0.91 J	1.0	ug/L	SW846 8260B
Chloroform	24	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	1.4	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.1	1.0	ug/L	SW846 8260B
Toluene	0.42 J	1.0	ug/L	SW846 8260B
Trichloroethene	52	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	0.54 J	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	5.3	1.0	ug/L	SW846 8260B

METHODS SUMMARY

E2C220334

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E2C220334

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EWVF0	001	EB_TAIT032202_0001	03/22/02	07:20
EWVF1	002	TMW_14_032202_0815	03/22/02	08:15
EWVF2	003	TMW_11_032202_0915	03/22/02	09:15
EWVF3	004	TMW_15_032202_1005	03/22/02	10:05
EWVF4	005	WCC11S_TAIT032202_0001	03/22/02	11:10
EWVF5	006	WCC11S_TAIT032202_0002	03/22/02	11:10
EWVF6	007	XMW_19_032202_1225	03/22/02	12:25
EWVF7	008	TMW_13_032202_1335	03/22/02	13:35
EWVF8	009	WCC_9S_032202_1440	03/22/02	14:40
EWVF9	010	TB_TAIT032202_0001	03/22/02	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032202_0001

GC/MS Volatiles

Lot-Sample #...: E2C220334-001 Work Order #...: EWVF01AA Matrix.....: WATER
Date Sampled...: 03/22/02 07:20 Date Received..: 03/22/02 17:00
Prep Date.....: 03/22/02 Analysis Date..: 03/22/02
Prep Batch #...: 2084283 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032202_0001

GC/MS Volatiles

Lot-Sample #...: E2C220334-001 Work Order #...: EWVF01AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
Toluene-d8	107	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_14_032202_0815

GC/MS Volatiles

Lot-Sample #...: E2C220334-002 **Work Order #...:** EWVF11AA **Matrix.....:** WATER
Date Sampled...: 03/22/02 08:15 **Date Received..:** 03/22/02 17:00
Prep Date.....: 03/23/02 **Analysis Date..:** 03/23/02
Prep Batch #...: 2084283 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	**2.0**	**0.50**	**ug/L**
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**3.9**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_14_032202_0815

GC/MS Volatiles

Lot-Sample #...: E2C220334-002 Work Order #...: EWVF11AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**1.4**	**1.0**	**ug/L**
Toluene	**6.4**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**11**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	**0.35 J**	**1.0**	**ug/L**
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(75 - 130)
1,2-Dichloroethane-d4	108	(65 - 135)
Toluene-d8	110	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_11_032202_0915

GC/MS Volatiles

Lot-Sample #...: E2C220334-003 **Work Order #...:** EWVF21AA **Matrix.....:** WATER
Date Sampled...: 03/22/02 09:15 **Date Received..:** 03/22/02 17:00
Prep Date.....: 03/23/02 **Analysis Date..:** 03/23/02
Prep Batch #...: 2084283 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	50	ug/L
Benzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
Carbon tetrachloride	**3.3**	**2.5**	**ug/L**
2-Butanone	ND	25	ug/L
n-Butylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Carbon disulfide	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
Chloroethane	ND	10	ug/L
Chloroform	**340**	**5.0**	**ug/L**
Chloromethane	ND	10	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	10	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
Iodomethane	ND	10	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
cis-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
Vinyl chloride	ND	2.5	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
2-Hexanone	ND	25	ug/L
Isopropylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_11_032202_0915

GC/MS Volatiles

Lot-Sample #...: E2C220334-003 Work Order #...: EWVF21AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	**5.7**	**5.0**	**ug/L**
Toluene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	**7.0**	**5.0**	**ug/L**
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Vinyl acetate	ND	25	ug/L
Tetrahydrofuran	ND	50	ug/L
2-Chloroethyl vinyl ether	ND	25	ug/L
1,1-Dichloroethene	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	104	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_15_032202_1005

GC/MS Volatiles

Lot-Sample #...: E2C220334-004 Work Order #...: EWVF31AA Matrix.....: WATER
Date Sampled...: 03/22/02 10:05 Date Received..: 03/22/02 17:00
Prep Date.....: 03/23/02 Analysis Date..: 03/23/02
Prep Batch #...: 2084283 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**5.2**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**2.2**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_15_032202_1005

GC/MS Volatiles

Lot-Sample #...: E2C220334-004 Work Order #...: EWVF31AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**9.8**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**30**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	**0.49 J**	**1.0**	**ug/L**
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	**0.69 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
Toluene-d8	105	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: WCC11S_TAIT032202_0001

GC/MS Volatiles

Lot-Sample #...: E2C220334-005 **Work Order #...:** EWVF41AA **Matrix.....:** WATER
Date Sampled...: 03/22/02 11:10 **Date Received..:** 03/22/02 17:00
Prep Date.....: 03/23/02 **Analysis Date..:** 03/23/02
Prep Batch #...: 2084283 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	**0.38 J**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	**14**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC11S_TAIT032202_0001

GC/MS Volatiles

Lot-Sample #...: E2C220334-005 Work Order #...: EWVF41AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**6.0**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**72**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	**16**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
1,2-Dichloroethane-d4	107	(65 - 135)
Toluene-d8	105	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: WCC11S_TAIT032202_0002

GC/MS Volatiles

Lot-Sample #...: E2C220334-006 **Work Order #...:** EWVF51AA **Matrix.....:** WATER
Date Sampled...: 03/22/02 11:10 **Date Received..:** 03/22/02 17:00
Prep Date.....: 03/23/02 **Analysis Date..:** 03/23/02
Prep Batch #...: 2084283 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	**0.41 J**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	**14**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC11S_TAIT032202_0002

GC/MS Volatiles

Lot-Sample #...: E2C220334-006 **Work Order #...:** EWVF51AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**4.3**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**73**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	**16**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(75 - 130)
1,2-Dichloroethane-d4	109	(65 - 135)
Toluene-d8	106	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: XMW_19_032202_1225

GC/MS Volatiles

Lot-Sample #...: E2C220334-007 Work Order #...: EWVF61AA Matrix.....: WATER
Date Sampled...: 03/22/02 12:25 Date Received..: 03/22/02 17:00
Prep Date.....: 03/23/02 Analysis Date..: 03/23/02
Prep Batch #...: 2084283 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**87**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**0.58 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: XMW_19_032202_1225

GC/MS Volatiles

Lot-Sample #...: E2C220334-007 **Work Order #...:** EWVF61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.77 J**	**1.0**	**ug/L**
Toluene	**0.62 J**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**10**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	**0.58 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
Toluene-d8	103	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_13_032202_1335

GC/MS Volatiles

Lot-Sample #...: E2C220334-008 **Work Order #...:** EWVF71AA **Matrix.....:** WATER
Date Sampled...: 03/22/02 13:35 **Date Received..:** 03/22/02 17:00
Prep Date.....: 03/23/02 **Analysis Date..:** 03/23/02
Prep Batch #...: 2084283 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	**1.2**	**0.50**	**ug/L**
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**8.7**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_13_032202_1335

GC/MS Volatiles

Lot-Sample #...: E2C220334-008 Work Order #...: EWVF71AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	**0.31 J**	**1.0**	**ug/L**
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**3.2**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**74**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	**0.31 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
1,2-Dichloroethane-d4	108	(65 - 135)
Toluene-d8	106	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: WCC_9S_032202_1440

GC/MS Volatiles

Lot-Sample #...: E2C220334-009 **Work Order #...:** EWVF81AA **Matrix.....:** WATER
Date Sampled...: 03/22/02 14:40 **Date Received..:** 03/22/02 17:00
Prep Date.....: 03/23/02 **Analysis Date..:** 03/23/02
Prep Batch #...: 2084283 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	**0.91 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**24**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	**1.4**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	**3.1**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_9S_032202_1440

GC/MS Volatiles

Lot-Sample #...: E2C220334-009 Work Order #...: EWVF81AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.42 J**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**52**	**1.0**	**ug/L**
Trichlorofluoromethane	**0.54 J**	**2.0**	**ug/L**
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	**5.3**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
1,2-Dichloroethane-d4	101	(65 - 135)
Toluene-d8	107	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032202_0001

GC/MS Volatiles

Lot-Sample #...:	E2C220334-010	**Work Order #...:**	EWVF91AA	**Matrix.....:**	WATER
Date Sampled...:	03/22/02	**Date Received..:**	03/22/02 17:00		
Prep Date.....:	03/22/02	**Analysis Date..:**	03/22/02		
Prep Batch #...:	2084283	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
2-Butanone	ND	5.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Iodomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032202_0001

GC/MS Volatiles

Lot-Sample #...: E2C220334-010 Work Order #...: EWVF91AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Vinyl acetate	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 - 130)
1,2-Dichloroethane-d4	98	(65 - 135)
Toluene-d8	106	(80 - 130)

SEVERN
TRENT
SERVICES

QA/QC

000029

QC DATA ASSOCIATION SUMMARY

E2C220334

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		2084283	2084176
002	WATER	SW846 8260B		2084283	2084176
003	WATER	SW846 8260B		2084283	2084176
004	WATER	SW846 8260B		2084283	2084176
005	WATER	SW846 8260B		2084283	2084176
006	WATER	SW846 8260B		2084283	2084176
007	WATER	SW846 8260B		2084283	2084176
008	WATER	SW846 8260B		2084283	2084176
009	WATER	SW846 8260B		2084283	2084176
010	WATER	SW846 8260B		2084283	2084176

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C220334 **Work Order #...:** EWWL71AA **Matrix.....:** WATER
MB Lot-Sample #: E2C250000-283

Prep Date.....: 03/22/02
Analysis Date..: 03/22/02 **Prep Batch #...:** 2084283

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C220334 Work Order #...: EWWL71AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(75 - 130)
1,2-Dichloroethane-d4	107	(65 - 135)
Toluene-d8	106	(80 - 130)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C220334 Work Order #...: EWWL71AC Matrix.....: WATER
LCS Lot-Sample#: E2C250000-283
Prep Date.....: 03/22/02 Analysis Date..: 03/22/02
Prep Batch #...: 2084283

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**108**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**108**	**(75 - 120)**	**SW846 8260B**
Toluene	**107**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**110**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**116**	**(70 - 140)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
1,2-Dichloroethane-d4	107	(65 - 135)
Toluene-d8	109	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C220334 Work Order #...: EWWL71AC Matrix.....: WATER
LCS Lot-Sample#: E2C250000-283
Prep Date.....: 03/22/02 Analysis Date..: 03/22/02
Prep Batch #...: 2084283

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**
Toluene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**
Trichloroethene	**10.0**	**11.0**	**ug/L**	**110**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**11.6**	**ug/L**	**116**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
1,2-Dichloroethane-d4	107	(65 - 135)
Toluene-d8	109	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C220334 Work Order #...: EWTX81AC-MS Matrix.....: WATER
MS Lot-Sample #: E2C220249-002 EWTX81AD-MSD
Date Sampled...: 03/21/02 16:00 Date Received..: 03/22/02 11:40
Prep Date.....: 03/23/02 Analysis Date..: 03/23/02
Prep Batch #...: 2084283

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**109**	**(75 - 120)**			**SW846 8260B**
	105	**(75 - 120)**	**3.8**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**111**	**(75 - 120)**			**SW846 8260B**
	106	**(75 - 120)**	**4.7**	**(0-25)**	**SW846 8260B**
Toluene	**107**	**(75 - 125)**			**SW846 8260B**
	104	**(75 - 125)**	**2.1**	**(0-25)**	**SW846 8260B**
Trichloroethene	**106**	**(70 - 130)**			**SW846 8260B**
	111	**(70 - 130)**	**3.8**	**(0-25)**	**SW846 8260B**
1,1-Dichloroethene	**106**	**(70 - 140)**			**SW846 8260B**
	114	**(70 - 140)**	**6.9**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(75 - 130)
	108	(75 - 130)
1,2-Dichloroethane-d4	112	(65 - 135)
	109	(65 - 135)
Toluene-d8	108	(80 - 130)
	106	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C220334 **Work Order #...:** EWTX81AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E2C220249-002 EWTX81AD-MSD
Date Sampled...: 03/21/02 16:00 **Date Received..:** 03/22/02 11:40
Prep Date.....: 03/23/02 **Analysis Date..:** 03/23/02
Prep Batch #...: 2084283

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**10.9**	**ug/L**	**109**		**SW846 8260B**
	ND	**10.0**	**10.5**	**ug/L**	**105**	**3.8**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**11.1**	**ug/L**	**111**		**SW846 8260B**
	ND	**10.0**	**10.6**	**ug/L**	**106**	**4.7**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.7**	**ug/L**	**107**		**SW846 8260B**
	ND	**10.0**	**10.4**	**ug/L**	**104**	**2.1**	**SW846 8260B**
Trichloroethene	**4.2**	**10.0**	**14.8**	**ug/L**	**106**		**SW846 8260B**
	4.2	**10.0**	**15.3**	**ug/L**	**111**	**3.8**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**11.4**	**ug/L**	**114**	**6.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(75 - 130)
	108	(75 - 130)
1,2-Dichloroethane-d4	112	(65 - 135)
	109	(65 - 135)
Toluene-d8	108	(80 - 130)
	106	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

SEVERN TRENT SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

March 28, 2002

STL LOT NUMBER: E2C250195
NELAP Certification Number: 01118CA
PO/CONTRACT: 05220-SEV001

Scott Ek
Tait Environmental
701 Park Center Drive
Santa Ana, CA 92705

Dear Mr. Ek,

This report contains the analytical results for the seven samples received under chain of custody by STL Los Angeles on March 25, 2002. These samples are associated with your Boeing Long Beach Pacificenter C-1 project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report. Per your instruction, the Trip Blank was analyzed for 8260.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

STL Los Angeles is a part of Severn Trent Laboratories, Inc.
000001
ACCREDITED IN ACCORDANCE WITH nelac
BOE-C6-0003096

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/25/02	Chain of Custody Number: 050489
Address: 701 N. PARKCENTER DR.	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number: E2C250195	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): C-6 FACILITY - BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC (8260B)	Special Instructions/ Conditions of Receipt
EB_TAIT032502_0001	3/25/02	8:45		X						3			X	
WCC-12S-032502-1005		10:05		X						3			X	
WCC-7S-032502-1135		11:35		X						3			X	
WCC-3S-032502-1250		12:50		X						3			X	
TMW-12-032502-1355		13:55		X						3			X	
TMW-1-032502-1500		1500		X						3			X	

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other STANDARD

QC Requirements (Specify):

1. Relinquished By: [signature]	Date: 3-25-2	Time: 16:35	1. Received By: [signature]	Date: 3/25/02	Time: 1635
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

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

BOE-C6-0003097

STL LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 03/25/02

Quantims Lot #: E2C250195
Quote #: 40337
Client Name: Tait
Project: Torrance Boeing C-6
Received by: R Suruki
Date/Time Received: 03/25/02 1635
Delivered by : [X] Client (Rich) [ ] Airborne [ ] Fed Ex [ ] DHL [ ] In-House Courier [ ] Rey B. [ ] UPS [ ] DES [ ] Other

Initial / Date

Custody Seal Status: [ ] Intact [ ] Broken [X] None ..... RS 03/25/02
Custody Seal #(s): [X] No Seal # .....
Sample Container(s): [X] STL-LA [ ] Client [ ] N/A .....
Temperature(s) (Cooler/blank) in °C: 4.8 Correction factor -0.1°C (Corrected Temp.) 4.7 ...
Thermometer Used : ID: B [X] IR (Infra-red) [ ] Digital (Probe) .....
Samples: [X] Intact [ ] Broken [ ] Other .....
Anomalies: [X] No [ ] Yes (See Clouseau) .....
Labeled by .....
Labeling checked by .....

Turn Around Time: [ ] RUSH-24HR [ ] RUSH-48HR [ ] RUSH-72HR [X] NORMAL .....
Short-Hold Notification: [ ] Ph [ ] Wet Chem [ ] Metals (Filter/Pres) [ ] Encore [X] N/A ...
Outside Analysis(es) (Test/Lab/Date Sent Out) :

N/A [Trip Blanks were added to the lot ... not on COC.]

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	1-76										PH
VOAh /*	3										N/A

h:HCl na:Sodium Hydoxide znna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/f/l:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA SL:Sleeve
* Number of VOA's w/ Headspace present

LOGGED BY/DATE: 03/25/02 REVIEWED BY/DATE: [signature] 3/25/02

PRC Ver. 6 081401 XRF

000003

SEVERN TRENT SERVICES

Analytical Report

000004

EXECUTIVE SUMMARY - Detection Highlights

E2C250195

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WCC_12S_032502_1005 03/25/02 10:05 002				
1,1-Dichloroethene	45	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	19	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	8.7	2.0	ug/L	SW846 8260B
Chloroform	1.9 J	2.0	ug/L	SW846 8260B
Trichloroethene	140	2.0	ug/L	SW846 8260B
Toluene	1.8 J	2.0	ug/L	SW846 8260B
Tetrachloroethene	1.2 J	2.0	ug/L	SW846 8260B
WCC_7S_032502_1135 03/25/02 11:35 003				
1,1-Dichloroethene	120	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.87 J	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	5.0	2.0	ug/L	SW846 8260B
Trichloroethene	100	2.0	ug/L	SW846 8260B
Toluene	0.72 J	2.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	1.5 J	2.0	ug/L	SW846 8260B
WCC_3S_032502_1250 03/25/02 12:50 004				
1,1-Dichloroethene	16000	620	ug/L	SW846 8260B
trans-1,2-Dichloroethene	520 J	620	ug/L	SW846 8260B
1,1-Dichloroethane	440 J	620	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3800	620	ug/L	SW846 8260B
1,1,1-Trichloroethane	670	620	ug/L	SW846 8260B
Trichloroethene	1400	620	ug/L	SW846 8260B
Toluene	43000	620	ug/L	SW846 8260B
TMW_12_032502_1355 03/25/02 13:55 005				
1,1-Dichloroethene	14 J	20	ug/L	SW846 8260B
Chloroform	1200	20	ug/L	SW846 8260B
Trichloroethene	150	20	ug/L	SW846 8260B
Toluene	17 J	20	ug/L	SW846 8260B
TMW_1_032502_1500 03/25/02 15:00 006				
Trichlorofluoromethane	18 J	25	ug/L	SW846 8260B
1,1-Dichloroethene	24	12	ug/L	SW846 8260B
Trichloroethene	460	12	ug/L	SW846 8260B
Toluene	12	12	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E2C250195

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TB_TAIT032502_0001 03/25/02 007				
Acetone	10	10	ug/L	SW846 8260B

METHODS SUMMARY

E2C250195

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E2C250195

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EWXEM	001	EB_TAIT032502_0001	03/25/02	08:45
EWXET	002	WCC_12S_032502_1005	03/25/02	10:05
EWXEV	003	WCC_7S_032502_1135	03/25/02	11:35
EWXEW	004	WCC_3S_032502_1250	03/25/02	12:50
EWXEX	005	TMW_12_032502_1355	03/25/02	13:55
EWXE0	006	TMW_1_032502_1500	03/25/02	15:00
EWXFV	007	TB_TAIT032502_0001	03/25/02	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032502_0001

GC/MS Volatiles

Lot-Sample #...: E2C250195-001 Work Order #...: EWXEM1AA Matrix.....: WATER
Date Sampled...: 03/25/02 08:45 Date Received..: 03/25/02 16:35 MS Run #.....: 2085303
Prep Date.....: 03/26/02 Analysis Date..: 03/26/02
Prep Batch #...: 2085525 Analysis Time..: 10:35
Dilution Factor: 1
Analyst ID.....: 015590 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Chloromethane	ND	2.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
Carbon disulfide	ND	1.0	ug/L	0.30
Acetone	ND	10	ug/L	3.0
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
2,2-Dichloropropane	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
2-Butanone	ND	5.0	ug/L	3.0
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Carbon tetrachloride	ND	0.50	ug/L	0.30
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Benzene	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Bromodichloromethane	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Toluene	ND	1.0	ug/L	0.30
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Dibromochloromethane	ND	1.0	ug/L	0.40
Chlorobenzene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032502_0001

GC/MS Volatiles

Lot-Sample #...: E2C250195-001 Work Order #...: EWXEM1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	1.0	ug/L	0.80
Styrene	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Isopropylbenzene	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
n-Propylbenzene	ND	1.0	ug/L	0.40
Bromobenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
n-Butylbenzene	ND	1.0	ug/L	0.30
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
Hexachlorobutadiene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
Acrolein	ND	20	ug/L	12
Tert-amyl methyl ether	ND	2.0	ug/L	0.50
Acrylonitrile	ND	20	ug/L	10
Tert-butyl ethyl ether	ND	2.0	ug/L	0.50
t-Butanol	ND	25	ug/L	6.0
Iodomethane	ND	2.0	ug/L	1.0
Isopropyl ether	ND	2.0	ug/L	0.50
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
Vinyl acetate	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(75 - 130)
1,2-Dichloroethane-d4	81	(65 - 135)
Toluene-d8	114	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_12S_032502_1005

GC/MS Volatiles

Lot-Sample #...:	E2C250195-002	**Work Order #...:**	EWXET1AA	**Matrix.....:**	WATER
Date Sampled...:	03/25/02 10:05	**Date Received..:**	03/25/02 16:35	**MS Run #.....:**	2085303
Prep Date.....:	03/26/02	**Analysis Date..:**	03/26/02		
Prep Batch #...:	2085525	**Analysis Time..:**	11:32		
Dilution Factor:	2				
Analyst ID.....:	015590	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	2.0	ug/L	0.80
Chloromethane	ND	4.0	ug/L	0.60
Vinyl chloride	ND	1.0	ug/L	0.60
Chloroethane	ND	4.0	ug/L	0.60
Bromomethane	ND	4.0	ug/L	2.0
Trichlorofluoromethane	ND	4.0	ug/L	0.60
1,1,2-Trichlorotrifluoro-ethane	ND	2.0	ug/L	0.80
1,1-Dichloroethene	**45**	**2.0**	**ug/L**	**0.60**
Methylene chloride	ND	2.0	ug/L	0.60
Methyl tert-butyl ether	ND	2.0	ug/L	1.0
Carbon disulfide	ND	2.0	ug/L	0.60
Acetone	ND	20	ug/L	6.0
trans-1,2-Dichloroethene	ND	2.0	ug/L	0.60
1,1-Dichloroethane	**19**	**2.0**	**ug/L**	**0.40**
2,2-Dichloropropane	ND	2.0	ug/L	0.60
cis-1,2-Dichloroethene	**8.7**	**2.0**	**ug/L**	**0.60**
Chloroform	**1.9 J**	**2.0**	**ug/L**	**0.60**
Bromochloromethane	ND	2.0	ug/L	0.60
1,1,1-Trichloroethane	ND	2.0	ug/L	0.40
2-Butanone	ND	10	ug/L	6.0
1,1-Dichloropropene	ND	2.0	ug/L	0.60
Carbon tetrachloride	ND	1.0	ug/L	0.60
1,2-Dibromoethane	ND	2.0	ug/L	0.60
Benzene	ND	2.0	ug/L	0.60
Trichloroethene	**140**	**2.0**	**ug/L**	**0.60**
Bromodichloromethane	ND	2.0	ug/L	0.60
4-Methyl-2-pentanone	ND	10	ug/L	6.0
Toluene	**1.8 J**	**2.0**	**ug/L**	**0.60**
1,1,2-Trichloroethane	ND	2.0	ug/L	0.60
1,2-Dichloroethane	ND	1.0	ug/L	0.80
Tetrachloroethene	**1.2 J**	**2.0**	**ug/L**	**0.60**
2-Hexanone	ND	10	ug/L	6.0
Dibromochloromethane	ND	2.0	ug/L	0.80
Chlorobenzene	ND	2.0	ug/L	0.60
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	0.60
Ethylbenzene	ND	2.0	ug/L	0.40

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_12S_032502_1005

GC/MS Volatiles

Lot-Sample #...: E2C250195-002 Work Order #...: EWXET1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	2.0	ug/L	1.6
Styrene	ND	2.0	ug/L	0.60
Bromoform	ND	2.0	ug/L	0.60
Isopropylbenzene	ND	2.0	ug/L	0.60
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	0.80
1,2,3-Trichloropropane	ND	2.0	ug/L	0.80
n-Propylbenzene	ND	2.0	ug/L	0.80
Bromobenzene	ND	2.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	2.0	ug/L	0.40
2-Chlorotoluene	ND	2.0	ug/L	0.60
4-Chlorotoluene	ND	2.0	ug/L	0.60
tert-Butylbenzene	ND	2.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	2.0	ug/L	0.60
sec-Butylbenzene	ND	2.0	ug/L	0.60
p-Isopropyltoluene	ND	2.0	ug/L	0.60
1,3-Dichlorobenzene	ND	2.0	ug/L	0.60
1,4-Dichlorobenzene	ND	2.0	ug/L	0.60
n-Butylbenzene	ND	2.0	ug/L	0.60
1,2-Dichlorobenzene	ND	2.0	ug/L	0.60
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L	1.4
1,2,4-Trichloro-benzene	ND	2.0	ug/L	0.60
Hexachlorobutadiene	ND	2.0	ug/L	0.60
1,2,3-Trichlorobenzene	ND	2.0	ug/L	0.80
Acrolein	ND	40	ug/L	24
Tert-amyl methyl ether	ND	4.0	ug/L	1.0
Acrylonitrile	ND	40	ug/L	20
Tert-butyl ethyl ether	ND	4.0	ug/L	1.0
t-Butanol	ND	50	ug/L	12
Iodomethane	ND	4.0	ug/L	2.0
Isopropyl ether	ND	4.0	ug/L	1.0
2-Chloroethyl vinyl ether	ND	10	ug/L	4.0
Tetrahydrofuran	ND	20	ug/L	4.0
Vinyl acetate	ND	10	ug/L	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	92	(65 - 135)
Toluene-d8	101	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: WCC_7S_032502_1135

GC/MS Volatiles

Lot-Sample #...:	E2C250195-003	**Work Order #...:**	EWXEV1AA	**Matrix.....:**	WATER
Date Sampled...:	03/25/02 11:35	**Date Received..:**	03/25/02 16:35	**MS Run #.....:**	2085303
Prep Date.....:	03/26/02	**Analysis Date..:**	03/26/02		
Prep Batch #...:	2085525	**Analysis Time..:**	12:02		
Dilution Factor:	2				
Analyst ID.....:	015590	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	2.0	ug/L	0.80
Chloromethane	ND	4.0	ug/L	0.60
Vinyl chloride	ND	1.0	ug/L	0.60
Chloroethane	ND	4.0	ug/L	0.60
Bromomethane	ND	4.0	ug/L	2.0
Trichlorofluoromethane	ND	4.0	ug/L	0.60
1,1,2-Trichlorotrifluoro-ethane	ND	2.0	ug/L	0.80
1,1-Dichloroethene	**120**	**2.0**	**ug/L**	**0.60**
Methylene chloride	ND	2.0	ug/L	0.60
Methyl tert-butyl ether	ND	2.0	ug/L	1.0
Carbon disulfide	ND	2.0	ug/L	0.60
Acetone	ND	20	ug/L	6.0
trans-1,2-Dichloroethene	ND	2.0	ug/L	0.60
1,1-Dichloroethane	**0.87 J**	**2.0**	**ug/L**	**0.40**
2,2-Dichloropropane	ND	2.0	ug/L	0.60
cis-1,2-Dichloroethene	**5.0**	**2.0**	**ug/L**	**0.60**
Chloroform	ND	2.0	ug/L	0.60
Bromochloromethane	ND	2.0	ug/L	0.60
1,1,1-Trichloroethane	ND	2.0	ug/L	0.40
2-Butanone	ND	10	ug/L	6.0
1,1-Dichloropropene	ND	2.0	ug/L	0.60
Carbon tetrachloride	ND	1.0	ug/L	0.60
1,2-Dibromoethane	ND	2.0	ug/L	0.60
Benzene	ND	2.0	ug/L	0.60
Trichloroethene	**100**	**2.0**	**ug/L**	**0.60**
Bromodichloromethane	ND	2.0	ug/L	0.60
4-Methyl-2-pentanone	ND	10	ug/L	6.0
Toluene	**0.72 J**	**2.0**	**ug/L**	**0.60**
1,1,2-Trichloroethane	**1.5 J**	**2.0**	**ug/L**	**0.60**
1,2-Dichloroethane	ND	1.0	ug/L	0.80
Tetrachloroethene	ND	2.0	ug/L	0.60
2-Hexanone	ND	10	ug/L	6.0
Dibromochloromethane	ND	2.0	ug/L	0.80
Chlorobenzene	ND	2.0	ug/L	0.60
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	0.60
Ethylbenzene	ND	2.0	ug/L	0.40

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_7S_032502_1135

GC/MS Volatiles

Lot-Sample #...: E2C250195-003 Work Order #...: EWXEV1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	2.0	ug/L	1.6
Styrene	ND	2.0	ug/L	0.60
Bromoform	ND	2.0	ug/L	0.60
Isopropylbenzene	ND	2.0	ug/L	0.60
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	0.80
1,2,3-Trichloropropane	ND	2.0	ug/L	0.80
n-Propylbenzene	ND	2.0	ug/L	0.80
Bromobenzene	ND	2.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	2.0	ug/L	0.40
2-Chlorotoluene	ND	2.0	ug/L	0.60
4-Chlorotoluene	ND	2.0	ug/L	0.60
tert-Butylbenzene	ND	2.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	2.0	ug/L	0.60
sec-Butylbenzene	ND	2.0	ug/L	0.60
p-Isopropyltoluene	ND	2.0	ug/L	0.60
1,3-Dichlorobenzene	ND	2.0	ug/L	0.60
1,4-Dichlorobenzene	ND	2.0	ug/L	0.60
n-Butylbenzene	ND	2.0	ug/L	0.60
1,2-Dichlorobenzene	ND	2.0	ug/L	0.60
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L	1.4
1,2,4-Trichloro-benzene	ND	2.0	ug/L	0.60
Hexachlorobutadiene	ND	2.0	ug/L	0.60
1,2,3-Trichlorobenzene	ND	2.0	ug/L	0.80
Acrolein	ND	40	ug/L	24
Tert-amyl methyl ether	ND	4.0	ug/L	1.0
Acrylonitrile	ND	40	ug/L	20
Tert-butyl ethyl ether	ND	4.0	ug/L	1.0
t-Butanol	ND	50	ug/L	12
Iodomethane	ND	4.0	ug/L	2.0
Isopropyl ether	ND	4.0	ug/L	1.0
2-Chloroethyl vinyl ether	ND	10	ug/L	4.0
Tetrahydrofuran	ND	20	ug/L	4.0
Vinyl acetate	ND	10	ug/L	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	101	(65 - 135)
Toluene-d8	101	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: WCC_3S_032502_1250

GC/MS Volatiles

Lot-Sample #...:	E2C250195-004	**Work Order #...:**	EWXEW1AA	**Matrix.....:**	WATER
Date Sampled...:	03/25/02 12:50	**Date Received..:**	03/25/02 16:35	**MS Run #.....:**	2085303
Prep Date.....:	03/26/02	**Analysis Date..:**	03/26/02		
Prep Batch #...:	2085525	**Analysis Time..:**	16:12		
Dilution Factor:	625				
Analyst ID.....:	015590	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	620	ug/L	250
Chloromethane	ND	1200	ug/L	190
Vinyl chloride	ND	310	ug/L	190
Chloroethane	ND	1200	ug/L	190
Bromomethane	ND	1200	ug/L	620
Trichlorofluoromethane	ND	1200	ug/L	190
1,1,2-Trichlorotrifluoro-ethane	ND	620	ug/L	250
1,1-Dichloroethene	**16000**	**620**	**ug/L**	**190**
Methylene chloride	ND	620	ug/L	190
Methyl tert-butyl ether	ND	620	ug/L	310
Carbon disulfide	ND	620	ug/L	190
Acetone	ND	6200	ug/L	1900
trans-1,2-Dichloroethene	**520 J**	**620**	**ug/L**	**190**
1,1-Dichloroethane	**440 J**	**620**	**ug/L**	**120**
2,2-Dichloropropane	ND	620	ug/L	190
cis-1,2-Dichloroethene	**3800**	**620**	**ug/L**	**190**
Chloroform	ND	620	ug/L	190
Bromochloromethane	ND	620	ug/L	190
1,1,1-Trichloroethane	**670**	**620**	**ug/L**	**120**
2-Butanone	ND	3100	ug/L	1900
1,1-Dichloropropene	ND	620	ug/L	190
Carbon tetrachloride	ND	310	ug/L	190
1,2-Dibromoethane	ND	620	ug/L	190
Benzene	ND	620	ug/L	190
Trichloroethene	**1400**	**620**	**ug/L**	**190**
Bromodichloromethane	ND	620	ug/L	190
4-Methyl-2-pentanone	ND	3100	ug/L	1900
Toluene	**43000**	**620**	**ug/L**	**190**
1,1,2-Trichloroethane	ND	620	ug/L	190
1,2-Dichloroethane	ND	310	ug/L	250
Tetrachloroethene	ND	620	ug/L	190
2-Hexanone	ND	3100	ug/L	1900
Dibromochloromethane	ND	620	ug/L	250
Chlorobenzene	ND	620	ug/L	190
1,1,1,2-Tetrachloroethane	ND	620	ug/L	190
Ethylbenzene	ND	620	ug/L	120

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_3S_032502_1250

GC/MS Volatiles

Lot-Sample #...: E2C250195-004 Work Order #...: EWXEW1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	620	ug/L	500
Styrene	ND	620	ug/L	190
Bromoform	ND	620	ug/L	190
Isopropylbenzene	ND	620	ug/L	190
1,1,2,2-Tetrachloroethane	ND	620	ug/L	250
1,2,3-Trichloropropane	ND	620	ug/L	250
n-Propylbenzene	ND	620	ug/L	250
Bromobenzene	ND	620	ug/L	190
1,3,5-Trimethylbenzene	ND	620	ug/L	120
2-Chlorotoluene	ND	620	ug/L	190
4-Chlorotoluene	ND	620	ug/L	190
tert-Butylbenzene	ND	620	ug/L	120
1,2,4-Trimethylbenzene	ND	620	ug/L	190
sec-Butylbenzene	ND	620	ug/L	190
p-Isopropyltoluene	ND	620	ug/L	190
1,3-Dichlorobenzene	ND	620	ug/L	190
1,4-Dichlorobenzene	ND	620	ug/L	190
n-Butylbenzene	ND	620	ug/L	190
1,2-Dichlorobenzene	ND	620	ug/L	190
1,2-Dibromo-3-chloro-propane	ND	1200	ug/L	440
1,2,4-Trichloro-benzene	ND	620	ug/L	190
Hexachlorobutadiene	ND	620	ug/L	190
1,2,3-Trichlorobenzene	ND	620	ug/L	250
Acrolein	ND	12000	ug/L	7500
Tert-amyl methyl ether	ND	1200	ug/L	310
Acrylonitrile	ND	12000	ug/L	6200
Tert-butyl ethyl ether	ND	1200	ug/L	310
t-Butanol	ND	16000	ug/L	3800
Iodomethane	ND	1200	ug/L	620
Isopropyl ether	ND	1200	ug/L	310
2-Chloroethyl vinyl ether	ND	3100	ug/L	1200
Tetrahydrofuran	ND	6200	ug/L	1200
Vinyl acetate	ND	3100	ug/L	1200

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_12_032502_1355

GC/MS Volatiles

Lot-Sample #...: E2C250195-005 Work Order #...: EWXEX1AA Matrix.....: WATER
Date Sampled...: 03/25/02 13:55 Date Received..: 03/25/02 16:35 MS Run #.....: 2085303
Prep Date.....: 03/26/02 Analysis Date..: 03/26/02
Prep Batch #...: 2085525 Analysis Time..: 15:42
Dilution Factor: 20
Analyst ID.....: 015590 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	20	ug/L	8.0
Chloromethane	ND	40	ug/L	6.0
Vinyl chloride	ND	10	ug/L	6.0
Chloroethane	ND	40	ug/L	6.0
Bromomethane	ND	40	ug/L	20
Trichlorofluoromethane	ND	40	ug/L	6.0
1,1,2-Trichlorotrifluoro-ethane	ND	20	ug/L	8.0
1,1-Dichloroethene	**14 J**	**20**	**ug/L**	**6.0**
Methylene chloride	ND	20	ug/L	6.0
Methyl tert-butyl ether	ND	20	ug/L	10
Carbon disulfide	ND	20	ug/L	6.0
Acetone	ND	200	ug/L	60
trans-1,2-Dichloroethene	ND	20	ug/L	6.0
1,1-Dichloroethane	ND	20	ug/L	4.0
2,2-Dichloropropane	ND	20	ug/L	6.0
cis-1,2-Dichloroethene	ND	20	ug/L	6.0
Chloroform	**1200**	**20**	**ug/L**	**6.0**
Bromochloromethane	ND	20	ug/L	6.0
1,1,1-Trichloroethane	ND	20	ug/L	4.0
2-Butanone	ND	100	ug/L	60
1,1-Dichloropropene	ND	20	ug/L	6.0
Carbon tetrachloride	ND	10	ug/L	6.0
1,2-Dibromoethane	ND	20	ug/L	6.0
Benzene	ND	20	ug/L	6.0
Trichloroethene	**150**	**20**	**ug/L**	**6.0**
Bromodichloromethane	ND	20	ug/L	6.0
4-Methyl-2-pentanone	ND	100	ug/L	60
Toluene	**17 J**	**20**	**ug/L**	**6.0**
1,1,2-Trichloroethane	ND	20	ug/L	6.0
1,2-Dichloroethane	ND	10	ug/L	8.0
Tetrachloroethene	ND	20	ug/L	6.0
2-Hexanone	ND	100	ug/L	60
Dibromochloromethane	ND	20	ug/L	8.0
Chlorobenzene	ND	20	ug/L	6.0
1,1,1,2-Tetrachloroethane	ND	20	ug/L	6.0
Ethylbenzene	ND	20	ug/L	4.0

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_12_032502_1355

GC/MS Volatiles

Lot-Sample #...: E2C250195-005 Work Order #...: EWXEX1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	20	ug/L	16
Styrene	ND	20	ug/L	6.0
Bromoform	ND	20	ug/L	6.0
Isopropylbenzene	ND	20	ug/L	6.0
1,1,2,2-Tetrachloroethane	ND	20	ug/L	8.0
1,2,3-Trichloropropane	ND	20	ug/L	8.0
n-Propylbenzene	ND	20	ug/L	8.0
Bromobenzene	ND	20	ug/L	6.0
1,3,5-Trimethylbenzene	ND	20	ug/L	4.0
2-Chlorotoluene	ND	20	ug/L	6.0
4-Chlorotoluene	ND	20	ug/L	6.0
tert-Butylbenzene	ND	20	ug/L	4.0
1,2,4-Trimethylbenzene	ND	20	ug/L	6.0
sec-Butylbenzene	ND	20	ug/L	6.0
p-Isopropyltoluene	ND	20	ug/L	6.0
1,3-Dichlorobenzene	ND	20	ug/L	6.0
1,4-Dichlorobenzene	ND	20	ug/L	6.0
n-Butylbenzene	ND	20	ug/L	6.0
1,2-Dichlorobenzene	ND	20	ug/L	6.0
1,2-Dibromo-3-chloro-propane	ND	40	ug/L	14
1,2,4-Trichloro-benzene	ND	20	ug/L	6.0
Hexachlorobutadiene	ND	20	ug/L	6.0
1,2,3-Trichlorobenzene	ND	20	ug/L	8.0
Acrolein	ND	400	ug/L	240
Tert-amyl methyl ether	ND	40	ug/L	10
Acrylonitrile	ND	400	ug/L	200
Tert-butyl ethyl ether	ND	40	ug/L	10
t-Butanol	ND	500	ug/L	120
Iodomethane	ND	40	ug/L	20
Isopropyl ether	ND	40	ug/L	10
2-Chloroethyl vinyl ether	ND	100	ug/L	40
Tetrahydrofuran	ND	200	ug/L	40
Vinyl acetate	ND	100	ug/L	40

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_1_032502_1500

GC/MS Volatiles

Lot-Sample #...: E2C250195-006 **Work Order #...:** EWXE01AA **Matrix.....:** WATER
Date Sampled...: 03/25/02 15:00 **Date Received..:** 03/25/02 16:35 **MS Run #.....:** 2085303
Prep Date.....: 03/26/02 **Analysis Date..:** 03/26/02
Prep Batch #...: 2085525 **Analysis Time..:** 13:32
Dilution Factor: 12.5
Analyst ID.....: 015590 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	12	ug/L	5.0
Chloromethane	ND	25	ug/L	3.8
Vinyl chloride	ND	6.2	ug/L	3.8
Chloroethane	ND	25	ug/L	3.8
Bromomethane	ND	25	ug/L	12
Trichlorofluoromethane	**18 J**	**25**	**ug/L**	**3.8**
1,1,2-Trichlorotrifluoro-ethane	ND	12	ug/L	5.0
1,1-Dichloroethene	**24**	**12**	**ug/L**	**3.8**
Methylene chloride	ND	12	ug/L	3.8
Methyl tert-butyl ether	ND	12	ug/L	6.2
Carbon disulfide	ND	12	ug/L	3.8
Acetone	ND	120	ug/L	38
trans-1,2-Dichloroethene	ND	12	ug/L	3.8
1,1-Dichloroethane	ND	12	ug/L	2.5
2,2-Dichloropropane	ND	12	ug/L	3.8
cis-1,2-Dichloroethene	ND	12	ug/L	3.8
Chloroform	ND	12	ug/L	3.8
Bromochloromethane	ND	12	ug/L	3.8
1,1,1-Trichloroethane	ND	12	ug/L	2.5
2-Butanone	ND	62	ug/L	38
1,1-Dichloropropene	ND	12	ug/L	3.8
Carbon tetrachloride	ND	6.2	ug/L	3.8
1,2-Dibromoethane	ND	12	ug/L	3.8
Benzene	ND	12	ug/L	3.8
Trichloroethene	**460**	**12**	**ug/L**	**3.8**
Bromodichloromethane	ND	12	ug/L	3.8
4-Methyl-2-pentanone	ND	62	ug/L	38
Toluene	**12**	**12**	**ug/L**	**3.8**
1,1,2-Trichloroethane	ND	12	ug/L	3.8
1,2-Dichloroethane	ND	6.2	ug/L	5.0
Tetrachloroethene	ND	12	ug/L	3.8
2-Hexanone	ND	62	ug/L	38
Dibromochloromethane	ND	12	ug/L	5.0
Chlorobenzene	ND	12	ug/L	3.8
1,1,1,2-Tetrachloroethane	ND	12	ug/L	3.8
Ethylbenzene	ND	12	ug/L	2.5

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_1_032502_1500

GC/MS Volatiles

Lot-Sample #...: E2C250195-006 Work Order #...: EWXE01AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	12	ug/L	10
Styrene	ND	12	ug/L	3.8
Bromoform	ND	12	ug/L	3.8
Isopropylbenzene	ND	12	ug/L	3.8
1,1,2,2-Tetrachloroethane	ND	12	ug/L	5.0
1,2,3-Trichloropropane	ND	12	ug/L	5.0
n-Propylbenzene	ND	12	ug/L	5.0
Bromobenzene	ND	12	ug/L	3.8
1,3,5-Trimethylbenzene	ND	12	ug/L	2.5
2-Chlorotoluene	ND	12	ug/L	3.8
4-Chlorotoluene	ND	12	ug/L	3.8
tert-Butylbenzene	ND	12	ug/L	2.5
1,2,4-Trimethylbenzene	ND	12	ug/L	3.8
sec-Butylbenzene	ND	12	ug/L	3.8
p-Isopropyltoluene	ND	12	ug/L	3.8
1,3-Dichlorobenzene	ND	12	ug/L	3.8
1,4-Dichlorobenzene	ND	12	ug/L	3.8
n-Butylbenzene	ND	12	ug/L	3.8
1,2-Dichlorobenzene	ND	12	ug/L	3.8
1,2-Dibromo-3-chloro-propane	ND	25	ug/L	8.8
1,2,4-Trichloro-benzene	ND	12	ug/L	3.8
Hexachlorobutadiene	ND	12	ug/L	3.8
1,2,3-Trichlorobenzene	ND	12	ug/L	5.0
Acrolein	ND	250	ug/L	150
Tert-amyl methyl ether	ND	25	ug/L	6.2
Acrylonitrile	ND	250	ug/L	120
Tert-butyl ethyl ether	ND	25	ug/L	6.2
t-Butanol	ND	310	ug/L	75
Iodomethane	ND	25	ug/L	12
Isopropyl ether	ND	25	ug/L	6.2
2-Chloroethyl vinyl ether	ND	62	ug/L	25
Tetrahydrofuran	ND	120	ug/L	25
Vinyl acetate	ND	62	ug/L	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032502_0001

GC/MS Volatiles

Lot-Sample #...:	E2C250195-007	**Work Order #...:**	EWXFV1AA	**Matrix.....:**	WATER
Date Sampled...:	03/25/02	**Date Received..:**	03/25/02 16:35	**MS Run #.....:**	2085303
Prep Date.....:	03/26/02	**Analysis Date..:**	03/26/02		
Prep Batch #...:	2085525	**Analysis Time..:**	14:02		
Dilution Factor:	1				
Analyst ID.....:	015590	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Chloromethane	ND	2.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
Carbon disulfide	ND	1.0	ug/L	0.30
Acetone	**10**	**10**	**ug/L**	**3.0**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
2,2-Dichloropropane	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
2-Butanone	ND	5.0	ug/L	3.0
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Carbon tetrachloride	ND	0.50	ug/L	0.30
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Benzene	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Bromodichloromethane	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Toluene	ND	1.0	ug/L	0.30
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Dibromochloromethane	ND	1.0	ug/L	0.40
Chlorobenzene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032502_0001

GC/MS Volatiles

Lot-Sample #...: E2C250195-007 Work Order #...: EWXFV1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	1.0	ug/L	0.80
Styrene	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Isopropylbenzene	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
n-Propylbenzene	ND	1.0	ug/L	0.40
Bromobenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
n-Butylbenzene	ND	1.0	ug/L	0.30
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
Hexachlorobutadiene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
Acrolein	ND	20	ug/L	12
Tert-amyl methyl ether	ND	2.0	ug/L	0.50
Acrylonitrile	ND	20	ug/L	10
Tert-butyl ethyl ether	ND	2.0	ug/L	0.50
t-Butanol	ND	25	ug/L	6.0
Iodomethane	ND	2.0	ug/L	1.0
Isopropyl ether	ND	2.0	ug/L	0.50
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
Vinyl acetate	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	108	(75 - 130)
1,2-Dichloroethane-d4	109	(65 - 135)
Toluene-d8	102	(80 - 130)

QC DATA ASSOCIATION SUMMARY

E2C250195

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		2085525	2085303
002	WATER	SW846 8260B		2085525	2085303
003	WATER	SW846 8260B		2085525	2085303
004	WATER	SW846 8260B		2085525	2085303
005	WATER	SW846 8260B		2085525	2085303
006	WATER	SW846 8260B		2085525	2085303
007	WATER	SW846 8260B		2085525	2085303

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C250195
MB Lot-Sample #: E2C260000-525

Work Order #...: EW1DJ1AA

Matrix.....: WATER

Prep Date.....: 03/26/02

Analysis Time..: 09:50

Analysis Date..: 03/26/02
Dilution Factor: 1

Prep Batch #...: 2085525

Instrument ID..: MSH

Analyst ID.....: 015590

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Acetone	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C250195 Work Order #...: EW1DJ1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Tert-amyl methyl ether	ND	2.0	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Tert-butyl ethyl ether	ND	2.0	ug/L	SW846 8260B
t-Butanol	ND	25	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isopropyl ether	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	99	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C250195 Work Order #...: EW1DJ1AC Matrix.....: WATER
LCS Lot-Sample#: E2C260000-525
Prep Date.....: 03/26/02 Analysis Date..: 03/26/02
Prep Batch #...: 2085525 Analysis Time..: 08:50
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.0**	**ug/L**	**100**	**SW846 8260B**
Benzene	**10.0**	**9.72**	**ug/L**	**97**	**SW846 8260B**
Trichloroethene	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
Toluene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.78**	**ug/L**	**98**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C250195 Work Order #...: EW1DJ1AC Matrix.....: WATER
LCS Lot-Sample#: E2C260000-525
Prep Date.....: 03/26/02 Analysis Date..: 03/26/02
Prep Batch #...: 2085525 Analysis Time..: 08:50
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**100**	**(70 - 140)**	**SW846 8260B**
Benzene	**97**	**(75 - 120)**	**SW846 8260B**
Trichloroethene	**104**	**(70 - 130)**	**SW846 8260B**
Toluene	**102**	**(75 - 125)**	**SW846 8260B**
Chlorobenzene	**98**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E2C250195	**Work Order #...:**	EWXET1AC-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	E2C250195-002		EWXET1AD-MSD		
Date Sampled...:	03/25/02 10:05	**Date Received..:**	03/25/02 16:35	**MS Run #.....:**	2085303
Prep Date.....:	03/26/02	**Analysis Date..:**	03/26/02		
Prep Batch #...:	2085525	**Analysis Time..:**	14:32		
Dilution Factor:	2	**Analyst ID.....:**	015590	**Instrument ID..:**	MSH

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**45**	**20.0**	**63.5**	**ug/L**	**93**		**SW846 8260B**
	45	**20.0**	**61.0**	**ug/L**	**80**	**4.1**	**SW846 8260B**
Benzene	**ND**	**20.0**	**19.5**	**ug/L**	**97**		**SW846 8260B**
	ND	**20.0**	**18.7**	**ug/L**	**94**	**3.9**	**SW846 8260B**
Trichloroethene	**140**	**20.0**		**ug/L**	**0.0**		**SW846 8260B**
	Qualifiers:	MSB,NC					
	140	**20.0**		**ug/L**	**0.0**	**0.0**	**SW846 8260B**
	Qualifiers:	MSB,NC					
Toluene	**1.8**	**20.0**	**21.5**	**ug/L**	**99**		**SW846 8260B**
	1.8	**20.0**	**21.4**	**ug/L**	**98**	**0.32**	**SW846 8260B**
Chlorobenzene	**ND**	**20.0**	**20.3**	**ug/L**	**101**		**SW846 8260B**
	ND	**20.0**	**20.2**	**ug/L**	**101**	**0.24**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(75 - 130)
	104	(75 - 130)
1,2-Dichloroethane-d4	101	(65 - 135)
	100	(65 - 135)
Toluene-d8	96	(80 - 130)
	98	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C250195 Work Order #...: EWXET1AC-MS Matrix.....: WATER
MS Lot-Sample #: E2C250195-002 EWXET1AD-MSD
Date Sampled...: 03/25/02 10:05 Date Received..: 03/25/02 16:35 MS Run #.....: 2085303
Prep Date.....: 03/26/02 Analysis Date..: 03/26/02
Prep Batch #...: 2085525 Analysis Time..: 14:32
Dilution Factor: 2 Analyst ID.....: 015590 Instrument ID..: MSH

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**93**	**(70 - 140)**			**SW846 8260B**
	80	**(70 - 140)**	**4.1**	**(0-25)**	**SW846 8260B**
Benzene	**97**	**(75 - 120)**			**SW846 8260B**
	94	**(75 - 120)**	**3.9**	**(0-25)**	**SW846 8260B**
Trichloroethene	**0.0 MSB,N**	**(70 - 130)**			**SW846 8260B**
	0.0 MSB,N	**(70 - 130)**	**0.0**	**(0-25)**	**SW846 8260B**
Toluene	**99**	**(75 - 125)**			**SW846 8260B**
	98	**(75 - 125)**	**0.32**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**101**	**(75 - 120)**			**SW846 8260B**
	101	**(75 - 120)**	**0.24**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(75 - 130)
	104	(75 - 130)
1,2-Dichloroethane-d4	101	(65 - 135)
	100	(65 - 135)
Toluene-d8	96	(80 - 130)
	98	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

NC The recovery and/or RPD were not calculated.

THIS IS NOT AN INVOICE

BILL TO:
Accounts Payable
Tait Environmental
701 Park Center Dr,CA 92705

REPORT SENT TO:
Scott Ek
Tait Environmental
701 Park Center Dr,CA 92705

PHONE: 714 560-8233 FAX: 000

PHONE:714 560-8233 FAX: 000

LOT ID. : E2C260270 QUOTE: 046931
P.O. NUMBER :
SAMPLE RECEIVING DATE : 3/26/02
PROJECT NUMBER :
SAMPLING SITE : Boeing Canoga Park
REPORT RECIPIENT : Scott Ek
REPORT DATE : 3/28/02

QUANT	PARAMETER	UNIT COST	AMOUNT
3	WATER, 8260B, VOC	95.00	285.00
			285.00

000030

ANALYTICAL REPORT

Boeing Canoga Park

Lot #: E2C260270

Scott Ek

Tait Environmental

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

March 28, 2002

000031

EXECUTIVE SUMMARY - Detection Highlights

E2C260270

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
E_2_032602_1048 03/26/02 10:48 001				
1,1-Dichloroethene	19	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.31 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	58	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.2	1.0	ug/L	SW846 8260B
Trichloroethene	60	1.0	ug/L	SW846 8260B
B_31D_032602_1135 03/26/02 11:35 002				
1,1-Dichloroethene	12	12	ug/L	SW846 8260B
1,1-Dichloroethane	16	12	ug/L	SW846 8260B
cis-1,2-Dichloroethene	15	12	ug/L	SW846 8260B
Trichloroethene	36	12	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	480	12	ug/L	SW846 8260B

METHODS SUMMARY

E2C260270

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E2C260270

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EW1EP	001	E_2_032602_1048	03/26/02	10:48
EW1EV	002	B_31D_032602_1135	03/26/02	11:35
EW1EX	003	TB_TAIT032602_0001	03/26/02	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TAIT ENVIRONMENTAL

Client Sample ID: E_2_032602_1048

GC/MS Volatiles

Lot-Sample #...:	E2C260270-001	**Work Order #...:**	EW1EP1AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 10:48	**Date Received..:**	03/26/02 17:45	**MS Run #.....:**	2086208
Prep Date.....:	03/27/02	**Analysis Date..:**	03/27/02		
Prep Batch #...:	2086403	**Analysis Time..:**	05:25		
Dilution Factor:	1				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
1,1-Dichloroethene	**19**	**1.0**	**ug/L**	**0.30**
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	**0.31 J**	**1.0**	**ug/L**	**0.30**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: E_2_032602_1048

GC/MS Volatiles

Lot-Sample #...: E2C260270-001 Work Order #...: EW1EP1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	**58**	**1.0**	**ug/L**	**0.30**
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	**1.2**	**1.0**	**ug/L**	**0.20**
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	**60**	**1.0**	**ug/L**	**0.30**
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.80
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	104	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: B_31D_032602_1135

GC/MS Volatiles

Lot-Sample #...:	E2C260270-002	**Work Order #...:**	EW1EV1AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 11:35	**Date Received..:**	03/26/02 17:45	**MS Run #.....:**	2086208
Prep Date.....:	03/26/02	**Analysis Date..:**	03/27/02		
Prep Batch #...:	2086403	**Analysis Time..:**	06:54		
Dilution Factor:	12.5				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	120	ug/L	38
Benzene	ND	12	ug/L	3.8
Bromobenzene	ND	12	ug/L	3.8
Bromochloromethane	ND	12	ug/L	3.8
Bromoform	ND	12	ug/L	3.8
Bromomethane	ND	25	ug/L	12
Carbon tetrachloride	ND	6.2	ug/L	3.8
2-Butanone	ND	62	ug/L	38
n-Butylbenzene	ND	12	ug/L	3.8
sec-Butylbenzene	ND	12	ug/L	3.8
tert-Butylbenzene	ND	12	ug/L	2.5
Carbon disulfide	ND	12	ug/L	3.8
Chlorobenzene	ND	12	ug/L	3.8
Dibromochloromethane	ND	12	ug/L	5.0
Dichlorodifluoromethane	ND	12	ug/L	5.0
Bromodichloromethane	ND	12	ug/L	3.8
1,2-Dichloroethane	ND	6.2	ug/L	5.0
1,1-Dichloroethene	**12**	**12**	**ug/L**	**3.8**
Chloroethane	ND	25	ug/L	3.8
Chloroform	ND	12	ug/L	3.8
Chloromethane	ND	25	ug/L	3.8
2-Chlorotoluene	ND	12	ug/L	3.8
4-Chlorotoluene	ND	12	ug/L	3.8
1,2-Dibromo-3-chloro-propane	ND	25	ug/L	8.8
1,2-Dibromoethane	ND	12	ug/L	3.8
Iodomethane	ND	25	ug/L	12
1,2-Dichlorobenzene	ND	12	ug/L	3.8
1,3-Dichlorobenzene	ND	12	ug/L	3.8
1,4-Dichlorobenzene	ND	12	ug/L	3.8
1,1-Dichloroethane	**16**	**12**	**ug/L**	**2.5**
cis-1,2-Dichloroethene	**15**	**12**	**ug/L**	**3.8**
trans-1,2-Dichloroethene	ND	12	ug/L	3.8
Vinyl chloride	ND	6.2	ug/L	3.8
2,2-Dichloropropane	ND	12	ug/L	3.8
1,1-Dichloropropene	ND	12	ug/L	3.8
Ethylbenzene	ND	12	ug/L	2.5

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: B_31D_032602_1135

GC/MS Volatiles

Lot-Sample #...: E2C260270-002 Work Order #...: EW1EV1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	12	ug/L	3.8
2-Hexanone	ND	62	ug/L	38
Isopropylbenzene	ND	12	ug/L	3.8
p-Isopropyltoluene	ND	12	ug/L	3.8
Methylene chloride	ND	12	ug/L	3.8
4-Methyl-2-pentanone	ND	62	ug/L	38
Methyl tert-butyl ether	ND	12	ug/L	6.2
n-Propylbenzene	ND	12	ug/L	5.0
Styrene	ND	12	ug/L	3.8
1,1,1,2-Tetrachloroethane	ND	12	ug/L	3.8
1,1,2,2-Tetrachloroethane	ND	12	ug/L	5.0
Tetrachloroethene	ND	12	ug/L	3.8
Toluene	ND	12	ug/L	3.8
1,2,3-Trichlorobenzene	ND	12	ug/L	5.0
1,2,4-Trichloro-benzene	ND	12	ug/L	3.8
1,1,1-Trichloroethane	ND	12	ug/L	2.5
1,1,2-Trichloroethane	ND	12	ug/L	3.8
Trichloroethene	**36**	**12**	**ug/L**	**3.8**
Trichlorofluoromethane	ND	25	ug/L	3.8
1,2,3-Trichloropropane	ND	12	ug/L	5.0
1,1,2-Trichlorotrifluoro-ethane	**480**	**12**	**ug/L**	**5.0**
1,2,4-Trimethylbenzene	ND	12	ug/L	3.8
1,3,5-Trimethylbenzene	ND	12	ug/L	2.5
Xylenes (total)	ND	12	ug/L	10
Acrolein	ND	250	ug/L	150
Acrylonitrile	ND	250	ug/L	120
Vinyl acetate	ND	62	ug/L	25
Tetrahydrofuran	ND	120	ug/L	25
2-Chloroethyl vinyl ether	ND	62	ug/L	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	97	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032602_0001

GC/MS Volatiles

Lot-Sample #...: E2C260270-003 **Work Order #...:** EW1EX1AA **Matrix.....:** WATER
Date Sampled...: 03/26/02 **Date Received..:** 03/26/02 17:45 **MS Run #.....:** 2086208
Prep Date.....: 03/27/02 **Analysis Date..:** 03/27/02
Prep Batch #...: 2086403 **Analysis Time..:** 04:55
Dilution Factor: 1
Analyst ID.....: 004648 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032602_0001

GC/MS Volatiles

Lot-Sample #...: E2C260270-003 **Work Order #...:** EW1EX1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.80
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	104	(65 - 135)
Toluene-d8	100	(80 - 130)

SEVERN
TRENT
SERVICES

QA/QC

000041

QC DATA ASSOCIATION SUMMARY

E2C260270

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		2086403	2086208
002	WATER	SW846 8260B		2086403	2086208
003	WATER	SW846 8260B		2086403	2086208

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C260270
MB Lot-Sample #: E2C270000-403

Work Order #...: EW2VL1AA

Matrix.....: WATER

Prep Date.....: 03/26/02
Analysis Date..: 03/26/02
Prep Batch #...: 2086403

Analysis Time..: 21:59
Instrument ID..: MSH

Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C260270 **Work Order #...:** EW2VL1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C260270 Work Order #...: EW2VL1AC Matrix.....: WATER
LCS Lot-Sample#: E2C270000-403
Prep Date.....: 03/26/02 Analysis Date..: 03/26/02
Prep Batch #...: 2086403 Analysis Time..: 21:00
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.78**	**ug/L**	**98**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**
Toluene	**10.0**	**9.99**	**ug/L**	**100**	**SW846 8260B**
Trichloroethene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C260270 Work Order #...: EW2VL1AC Matrix.....: WATER
LCS Lot-Sample#: E2C270000-403
Prep Date.....: 03/26/02 Analysis Date..: 03/26/02
Prep Batch #...: 2086403 Analysis Time..: 21:00
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**98**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**102**	**(75 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(70 - 140)**	**SW846 8260B**
Toluene	**100**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**107**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E2C260270	Work Order #...:	EW0901A2-MS	Matrix.....:	WATER
MS Lot-Sample #:	E2C260269-002		EW0901A3-MSD		
Date Sampled...:	03/26/02 09:50	Date Received..:	03/26/02 17:36	MS Run #.....:	2086208
Prep Date.....:	03/27/02	Analysis Date..:	03/27/02		
Prep Batch #...:	2086403	Analysis Time..:	05:54		
Dilution Factor:	1	Analyst ID.....:	004648	Instrument ID..:	MSH

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	10.0	9.63	ug/L	96		SW846 8260B
	ND	10.0	9.38	ug/L	94	2.6	SW846 8260B
Chlorobenzene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	9.82	ug/L	98	5.4	SW846 8260B
1,1-Dichloroethene	1.4	10.0	11.9	ug/L	104		SW846 8260B
	1.4	10.0	12.1	ug/L	107	2.2	SW846 8260B
Toluene	ND	10.0	9.93	ug/L	99		SW846 8260B
	ND	10.0	9.67	ug/L	97	2.6	SW846 8260B
Trichloroethene	2.6	10.0	13.0	ug/L	104		SW846 8260B
	2.6	10.0	13.1	ug/L	105	0.46	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(75 - 130)
	103	(75 - 130)
1,2-Dichloroethane-d4	108	(65 - 135)
	104	(65 - 135)
Toluene-d8	100	(80 - 130)
	98	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E2C260270	Work Order #...:	EW0901A2-MS	Matrix.....:	WATER
MS Lot-Sample #:	E2C260269-002		EW0901A3-MSD		
Date Sampled...:	03/26/02 09:50	Date Received..:	03/26/02 17:36	MS Run #.....:	2086208
Prep Date.....:	03/27/02	Analysis Date..:	03/27/02		
Prep Batch #...:	2086403	Analysis Time..:	05:54		
Dilution Factor:	1	Analyst ID.....:	004648	Instrument ID..:	MSH

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(75 - 120)**			**SW846 8260B**
	94	**(75 - 120)**	**2.6**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**104**	**(75 - 120)**			**SW846 8260B**
	98	**(75 - 120)**	**5.4**	**(0-25)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(70 - 140)**			**SW846 8260B**
	107	**(70 - 140)**	**2.2**	**(0-25)**	**SW846 8260B**
Toluene	**99**	**(75 - 125)**			**SW846 8260B**
	97	**(75 - 125)**	**2.6**	**(0-25)**	**SW846 8260B**
Trichloroethene	**104**	**(70 - 130)**			**SW846 8260B**
	105	**(70 - 130)**	**0.46**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(75 - 130)
	103	(75 - 130)
1,2-Dichloroethane-d4	108	(65 - 135)
	104	(65 - 135)
Toluene-d8	100	(80 - 130)
	98	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

SEVERN TRENT SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

March 29, 2002

STL LOT NUMBER: E2C270258
NELAP Certification Number: 01118CA
PO/CONTRACT: 05220-SEV001

Scott Ek
Tait Environmental
701 Park Center Drive
Santa Ana, CA 92705

Dear Mr. Ek,

This report contains the analytical results for the four samples received under chain of custody by STL Los Angeles on March 27, 2002. These samples are associated with your Boeing C-6/Tait Groundwater project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

Page 1 of 00002 total pages in this report.

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0003144

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TAIT ENVIRONMENTAL MGMT.	Project Manager: SCOTT E. EK	Date: 3/27/02	Chain of Custody Number: 050491
Address: 701 N. PARKCENTER DR.	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number: E2C270258	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: ~~4261~~ 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): C-6 FACILITY - BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC (8260B)	Special Instructions/ Conditions of Receipt
EB-TAIT032702-0001	3/27/02	6:30		X						3			X	
XMW-18-032702-1115		11:15		X						3			X	
DAC-P1-032702-1215		12:15		X						3			X	
TB-TAIT032702-0001		—		X						3			X	

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other STANDARD

QC Requirements (Specify):

1. Relinquished By: Mutya Chandran	Date: 3/27/02	Time: 13:40	1. Received By: [signature]	Date: 3/27/02	Time: 13:40
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

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

000002

BOE-C6-0003145

STL LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 3/27/02

Quantims Lot #: E2C 270258
Client Name: TAIT ENVIRONMENTAL
Received by: MCT
Delivered by : ☑ Client ☐ Airborne ☐ Fed Ex ☐ DHL ☐ In-House Courier ☐ Rey B. ☐ UPS ☐ DES ☐ Other _____

Quote #:
Project: C-6 FACILITY - BOEING
Date/Time Received: 3/27/02 13:40

Initial / Date

Custody Seal Status: ☐ Intact ☐ Broken ☒ None ..... MCT 3/27/02
Custody Seal #(s): _____ ☐ No Seal # .....
Sample Container(s): ☑ STL-LA ☐ Client ☐ N/A .....
Temperature(s) (Cooler/blank) in °C: 4.3°C Correction factor -0.1°C (Corrected Temp.) 4.2°C
Thermometer Used : ID: B ☒ IR (Infra-red) ☐ Digital (Probe) .....
Samples: ☑ Intact ☐ Broken ☐ Other _____ .....
Anomalies: ☑ No ☐ Yes (See Clouseau) .....
Labeled by .....
Labeling checked by .....

Turn Around Time: ☐ RUSH-24HR ☐ RUSH-48HR ☐ RUSH-72HR ☑ NORMAL .....
Short-Hold Notification: ☐ Ph ☐ Wet Chem ☐ Metals (Filter/Pres) ☐ Encore ☑ N/A ... U
Outside Analysis(es) (Test/Lab/Date Sent Out) :

_____ .....
_____ .....
_____ .....
_____ .....

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	1-5										PH
VOAh /*	3										N/A

h:HCl na:Sodium Hydoxide znna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/f/l:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA SL:Sleeve
* Number of VOA's w/ Headspace present

LOGGED BY/DATE: MB 03/27/02 REVIEWED BY/DATE: 3/27/02

PRC Ver. 6 081401 XRF QANACA01\N:\Precis\Sample Control Forms

000003

BOE-C6-0003146

SEVERN TRENT SERVICES

Analytical Report

000004

EXECUTIVE SUMMARY - Detection Highlights

E2C270258

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
XMW_18_0302702_1115 03/27/02 11:15 002				
Chlorobenzene	57	12	ug/L	SW846 8260B
1,1-Dichloroethene	14	12	ug/L	SW846 8260B
Chloroform	7.5 J	12	ug/L	SW846 8260B
Trichloroethene	1100	12	ug/L	SW846 8260B
DAC_P1_032702_1215 03/27/02 12:15 003				
cis-1,2-Dichloroethene	170 J	250	ug/L	SW846 8260B
Trichloroethene	17000	250	ug/L	SW846 8260B

METHODS SUMMARY

E2C270258

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E2C270258

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EW23A	001	EB_TAIT032702_0001	03/27/02	06:30
EW23C	002	XMW_18_0302702_1115	03/27/02	11:15
EW23D	003	DAC_P1_032702_1215	03/27/02	12:15
EW23F	004	TB_TAIT032702_0001	03/27/02	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032702_0001

GC/MS Volatiles

Lot-Sample #...: E2C270258-001 Work Order #...: EW23A1AA Matrix.....: WATER
Date Sampled...: 03/27/02 06:30 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 21:43
Dilution Factor: 1
Analyst ID.....: 004648 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032702_0001

GC/MS Volatiles

Lot-Sample #...: E2C270258-001 Work Order #...: EW23A1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.80
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	97	(65 - 135)
Toluene-d8	101	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: XMW_18_0302702_1115

GC/MS Volatiles

Lot-Sample #...: E2C270258-002 Work Order #...: EW23C1AA Matrix.....: WATER
Date Sampled...: 03/27/02 11:15 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 22:42
Dilution Factor: 12.5
Analyst ID.....: 004648 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	120	ug/L	38
Benzene	ND	12	ug/L	3.8
Bromobenzene	ND	12	ug/L	3.8
Bromochloromethane	ND	12	ug/L	3.8
Bromoform	ND	12	ug/L	3.8
Bromomethane	ND	25	ug/L	12
Carbon tetrachloride	ND	6.2	ug/L	3.8
2-Butanone	ND	62	ug/L	38
n-Butylbenzene	ND	12	ug/L	3.8
sec-Butylbenzene	ND	12	ug/L	3.8
tert-Butylbenzene	ND	12	ug/L	2.5
Carbon disulfide	ND	12	ug/L	3.8
Chlorobenzene	**57**	**12**	**ug/L**	**3.8**
Dibromochloromethane	ND	12	ug/L	5.0
Dichlorodifluoromethane	ND	12	ug/L	5.0
Bromodichloromethane	ND	12	ug/L	3.8
1,2-Dichloroethane	ND	6.2	ug/L	5.0
1,1-Dichloroethene	**14**	**12**	**ug/L**	**3.8**
Chloroethane	ND	25	ug/L	3.8
Chloroform	**7.5 J**	**12**	**ug/L**	**3.8**
Chloromethane	ND	25	ug/L	3.8
2-Chlorotoluene	ND	12	ug/L	3.8
4-Chlorotoluene	ND	12	ug/L	3.8
1,2-Dibromo-3-chloro-propane	ND	25	ug/L	8.8
1,2-Dibromoethane	ND	12	ug/L	3.8
Iodomethane	ND	25	ug/L	12
1,2-Dichlorobenzene	ND	12	ug/L	3.8
1,3-Dichlorobenzene	ND	12	ug/L	3.8
1,4-Dichlorobenzene	ND	12	ug/L	3.8
1,1-Dichloroethane	ND	12	ug/L	2.5
cis-1,2-Dichloroethene	ND	12	ug/L	3.8
trans-1,2-Dichloroethene	ND	12	ug/L	3.8
Vinyl chloride	ND	6.2	ug/L	3.8
2,2-Dichloropropane	ND	12	ug/L	3.8
1,1-Dichloropropene	ND	12	ug/L	3.8
Ethylbenzene	ND	12	ug/L	2.5

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: XMW_18_0302702_1115

GC/MS Volatiles

Lot-Sample #...: E2C270258-002 **Work Order #...:** EW23C1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	12	ug/L	3.8
2-Hexanone	ND	62	ug/L	38
Isopropylbenzene	ND	12	ug/L	3.8
p-Isopropyltoluene	ND	12	ug/L	3.8
Methylene chloride	ND	12	ug/L	3.8
4-Methyl-2-pentanone	ND	62	ug/L	38
Methyl tert-butyl ether	ND	12	ug/L	6.2
n-Propylbenzene	ND	12	ug/L	5.0
Styrene	ND	12	ug/L	3.8
1,1,1,2-Tetrachloroethane	ND	12	ug/L	3.8
1,1,2,2-Tetrachloroethane	ND	12	ug/L	5.0
Tetrachloroethene	ND	12	ug/L	3.8
Toluene	ND	12	ug/L	3.8
1,2,3-Trichlorobenzene	ND	12	ug/L	5.0
1,2,4-Trichloro-benzene	ND	12	ug/L	3.8
1,1,1-Trichloroethane	ND	12	ug/L	2.5
1,1,2-Trichloroethane	ND	12	ug/L	3.8
Trichloroethene	**1100**	**12**	**ug/L**	**3.8**
Trichlorofluoromethane	ND	25	ug/L	3.8
1,2,3-Trichloropropane	ND	12	ug/L	5.0
1,1,2-Trichlorotrifluoro-ethane	ND	12	ug/L	5.0
1,2,4-Trimethylbenzene	ND	12	ug/L	3.8
1,3,5-Trimethylbenzene	ND	12	ug/L	2.5
Xylenes (total)	ND	12	ug/L	10
Acrolein	ND	250	ug/L	150
Acrylonitrile	ND	250	ug/L	120
Vinyl acetate	ND	62	ug/L	25
Tetrahydrofuran	ND	120	ug/L	25
2-Chloroethyl vinyl ether	ND	62	ug/L	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(75 - 130)
1,2-Dichloroethane-d4	97	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: DAC_P1_032702_1215

GC/MS Volatiles

Lot-Sample #...: E2C270258-003 Work Order #...: EW23D1AA Matrix.....: WATER
Date Sampled...: 03/27/02 12:15 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 23:12
Dilution Factor: 250
Analyst ID.....: 004648 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2500	ug/L	750
Benzene	ND	250	ug/L	75
Bromobenzene	ND	250	ug/L	75
Bromochloromethane	ND	250	ug/L	75
Bromoform	ND	250	ug/L	75
Bromomethane	ND	500	ug/L	250
Carbon tetrachloride	ND	120	ug/L	75
2-Butanone	ND	1200	ug/L	750
n-Butylbenzene	ND	250	ug/L	75
sec-Butylbenzene	ND	250	ug/L	75
tert-Butylbenzene	ND	250	ug/L	50
Carbon disulfide	ND	250	ug/L	75
Chlorobenzene	ND	250	ug/L	75
Dibromochloromethane	ND	250	ug/L	100
Dichlorodifluoromethane	ND	250	ug/L	100
Bromodichloromethane	ND	250	ug/L	75
1,2-Dichloroethane	ND	120	ug/L	100
1,1-Dichloroethene	ND	250	ug/L	75
Chloroethane	ND	500	ug/L	75
Chloroform	ND	250	ug/L	75
Chloromethane	ND	500	ug/L	75
2-Chlorotoluene	ND	250	ug/L	75
4-Chlorotoluene	ND	250	ug/L	75
1,2-Dibromo-3-chloro-propane	ND	500	ug/L	180
1,2-Dibromoethane	ND	250	ug/L	75
Iodomethane	ND	500	ug/L	250
1,2-Dichlorobenzene	ND	250	ug/L	75
1,3-Dichlorobenzene	ND	250	ug/L	75
1,4-Dichlorobenzene	ND	250	ug/L	75
1,1-Dichloroethane	ND	250	ug/L	50
cis-1,2-Dichloroethene	**170 J**	**250**	**ug/L**	**75**
trans-1,2-Dichloroethene	ND	250	ug/L	75
Vinyl chloride	ND	120	ug/L	75
2,2-Dichloropropane	ND	250	ug/L	75
1,1-Dichloropropene	ND	250	ug/L	75
Ethylbenzene	ND	250	ug/L	50

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: DAC_P1_032702_1215

GC/MS Volatiles

Lot-Sample #...: E2C270258-003 Work Order #...: EW23D1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	250	ug/L	75
2-Hexanone	ND	1200	ug/L	750
Isopropylbenzene	ND	250	ug/L	75
p-Isopropyltoluene	ND	250	ug/L	75
Methylene chloride	ND	250	ug/L	75
4-Methyl-2-pentanone	ND	1200	ug/L	750
Methyl tert-butyl ether	ND	250	ug/L	120
n-Propylbenzene	ND	250	ug/L	100
Styrene	ND	250	ug/L	75
1,1,1,2-Tetrachloroethane	ND	250	ug/L	75
1,1,2,2-Tetrachloroethane	ND	250	ug/L	100
Tetrachloroethene	ND	250	ug/L	75
Toluene	ND	250	ug/L	75
1,2,3-Trichlorobenzene	ND	250	ug/L	100
1,2,4-Trichloro-benzene	ND	250	ug/L	75
1,1,1-Trichloroethane	ND	250	ug/L	50
1,1,2-Trichloroethane	ND	250	ug/L	75
Trichloroethene	**17000**	**250**	**ug/L**	**75**
Trichlorofluoromethane	ND	500	ug/L	75
1,2,3-Trichloropropane	ND	250	ug/L	100
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/L	100
1,2,4-Trimethylbenzene	ND	250	ug/L	75
1,3,5-Trimethylbenzene	ND	250	ug/L	50
Xylenes (total)	ND	250	ug/L	200
Acrolein	ND	5000	ug/L	3000
Acrylonitrile	ND	5000	ug/L	2500
Vinyl acetate	ND	1200	ug/L	500
Tetrahydrofuran	ND	2500	ug/L	500
2-Chloroethyl vinyl ether	ND	1200	ug/L	500

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	98	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032702_0001

GC/MS Volatiles

Lot-Sample #...: E2C270258-004 Work Order #...: EW23F1AA Matrix.....: WATER
Date Sampled...: 03/27/02 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 22:13
Dilution Factor: 1
Analyst ID.....: 004648 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032702_0001

GC/MS Volatiles

Lot-Sample #...: E2C270258-004 Work Order #...: EW23F1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.80
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(75 - 130)
1,2-Dichloroethane-d4	97	(65 - 135)
Toluene-d8	99	(80 - 130)

SEVERN
TRENT
SERVICES

QA/QC

QC DATA ASSOCIATION SUMMARY

E2C270258

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		2087254	2087119
002	WATER	SW846 8260B		2087254	2087119
003	WATER	SW846 8260B		2087254	2087119
004	WATER	SW846 8260B		2087254	2087119

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C270258
MB Lot-Sample #: E2C280000-254

Work Order #...: EW39X1AA

Matrix.....: WATER

Prep Date.....: 03/27/02

Analysis Time..: 19:44

Analysis Date..: 03/27/02

Prep Batch #...: 2087254

Instrument ID..: MSH

Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C270258 Work Order #...: EW39X1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	94	(80 - 130)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C270258 Work Order #...: EW39X1AC Matrix.....: WATER
LCS Lot-Sample#: E2C280000-254
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 18:44
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.55**	**ug/L**	**96**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.85**	**ug/L**	**98**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Toluene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Trichloroethene	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C270258 Work Order #...: EW39X1AC Matrix.....: WATER
LCS Lot-Sample#: E2C280000-254
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 18:44
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**96**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**98**	**(75 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**101**	**(70 - 140)**	**SW846 8260B**
Toluene	**101**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**104**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C270258 Work Order #...: EW23D1AC-MS Matrix.....: WATER
MS Lot-Sample #: E2C270258-003 EW23D1AD-MSD
Date Sampled...: 03/27/02 12:15 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087254 Analysis Time..: 05:10
Dilution Factor: 250 Analyst ID.....: 004648 Instrument ID..: MSH

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**2500**	**2470**	**ug/L**	**99**		**SW846 8260B**
	ND	**2500**	**2430**	**ug/L**	**97**	**1.7**	**SW846 8260B**
Chlorobenzene	**ND**	**2500**	**2580**	**ug/L**	**103**		**SW846 8260B**
	ND	**2500**	**2500**	**ug/L**	**100**	**3.4**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**2500**	**2690**	**ug/L**	**107**		**SW846 8260B**
	ND	**2500**	**2640**	**ug/L**	**106**	**1.8**	**SW846 8260B**
Toluene	**ND**	**2500**	**2510**	**ug/L**	**101**		**SW846 8260B**
	ND	**2500**	**2460**	**ug/L**	**98**	**2.3**	**SW846 8260B**
Trichloroethene	**17000**	**2500**	**20600**	**ug/L**	**136**		**SW846 8260B**
	Qualifiers:		a,MSC				
	17000	**2500**	**20200**	**ug/L**	**122**	**1.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
	99	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
	102	(65 - 135)
Toluene-d8	98	(80 - 130)
	94	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E2C270258	Work Order #...:	EW23D1AC-MS	Matrix.....:	WATER
MS Lot-Sample #:	E2C270258-003		EW23D1AD-MSD		
Date Sampled...:	03/27/02 12:15	Date Received..:	03/27/02 13:40	MS Run #.....:	2087119
Prep Date.....:	03/28/02	Analysis Date..:	03/28/02		
Prep Batch #...:	2087254	Analysis Time..:	05:10		
Dilution Factor:	250	Analyst ID.....:	004648	Instrument ID..:	MSH

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**99**	**(75 - 120)**			**SW846 8260B**
	97	**(75 - 120)**	**1.7**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**103**	**(75 - 120)**			**SW846 8260B**
	100	**(75 - 120)**	**3.4**	**(0-25)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(70 - 140)**			**SW846 8260B**
	106	**(70 - 140)**	**1.8**	**(0-25)**	**SW846 8260B**
Toluene	**101**	**(75 - 125)**			**SW846 8260B**
	98	**(75 - 125)**	**2.3**	**(0-25)**	**SW846 8260B**
Trichloroethene	**136 a,MSC**	**(70 - 130)**			**SW846 8260B**
	122	**(70 - 130)**	**1.7**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
	99	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
	102	(65 - 135)
Toluene-d8	98	(80 - 130)
	94	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

SEVERN TRENT SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

March 29, 2002

STL LOT NUMBER: E2C270261
NELAP Certification Number: 01118CA
PO/CONTRACT: 05220-SEV001

Scott Ek
Tait Environmental
701 Park Center Dr
Santa Ana, CA 92705

Dear Mr. Ek,

This report contains the analytical results for the 14 samples received under chain of custody by STL Los Angeles on March 27, 2002. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

Page 1 of 000050 total pages in this report.

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0003167

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/26/02	Chain of Custody Number: 050490
Address: 701 N. PARKCENTER DR	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number: E2C27026	Page 1 of 2
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): C-6 FACILITY - BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): VOC (8260B)	Special Instructions/ Conditions of Receipt
EB_TAIT032602_0001	3/26/02	7:30		X							3				X	
TMW_6_032602_1105		11:05		X							3				X	
BL_3_032602_1145		11:45		X							3				X	
TMW_9_032602_1220		12:20		X							3				X	
WCC_4S_032602_1315		13:15		X							3				X	
TMW4_TAIT032602_0001		14:00		X							3				X	
TMW4_TAIT032602_0002		14:00		X							3				X	
TMW_7_032602_1441		14:41		X							3				X	
WCC_6S_032602_1550		15:50		X							3				X	
TMW_8_032602_1630		16:30		X							3				X	
TMW_5_032602_1712		17:12		X							3				X	
TMW_3_032602_1745		17:45		X							3				X	

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other STANDARD

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Mutya Chandran	3/27/02	13:40	1. Received By: [signature]	3/27/02	13:40
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

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

000002

BOE-C6-0003168

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: SCOTT E. EK	Date: 3/26/02	Chain of Custody Number: 050453
Address: 701 N. PARKCENTER DR	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / (714) 560-8235	Lab Number: E2C270261	Page 2 of 2
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact:	Lab Contact: D. SUZUKI	
Project Name and Location (State): C-6 FACILITY - BOEING - TORRANCE	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC (8260B)	Special Instructions/ Conditions of Receipt
TMW-2-032602-1835	3/26/02	18:35		X						3			X	
TB-TAIT032602-0001		—		X						3			X	

000003

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other STANDARD

QC Requirements (Specify):

1. Relinquished By: Mutya Chandran	Date: 3/27/02	Time: 13:40	1. Received By: [signature]	Date: 3/27/02	Time: 13:40
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

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

BOE-C6-0003169

STL LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 3/27/02

Quantims Lot #: F2C270261 Quote #:
Client Name: TAIT ENVIRONMENTAL Project: C-6 FACILITY - BOEING
Received by: MCT Date/Time Received: 3/27/02 13:30
Delivered by : ☒ Client ☐ Airborne ☐ Fed Ex ☐ DHL ☐ In-House Courier ☐ Rey B.
☐ UPS ☐ DES ☐ Other _____

Initial / Date

Custody Seal Status: ☐ Intact ☐ Broken ☒ None ..... MCT 3/27/02
Custody Seal #(s): _____ ☐ No Seal # .....
Sample Container(s): ☒ STL-LA ☐ Client ☐ N/A .....
Temperature(s) (Cooler/blank) in °C: 5.3°C Correction factor -0.1°C (Corrected Temp.) 5.2°C..
Thermometer Used : ID: B ☒ IR (Infra-red) ☐ Digital (Probe) .....
Samples: ☒ Intact ☐ Broken ☐ Other _____ .....
Anomalies: ☒ No ☐ Yes (See Clouseau) .....
Labeled by .....
Labeling checked by .....

Turn Around Time: ☐ RUSH-24HR ☐ RUSH-48HR ☐ RUSH-72HR ☒ NORMAL .....
Short-Hold Notification: ☐ Ph ☐ Wet Chem ☐ Metals (Filter/Pres) ☐ Encore ☒ N/A ... ✓
Outside Analysis(es) (Test/Lab/Date Sent Out) :

_____ .....
_____ .....
_____ .....
_____ .....

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	1->16										PH
VOAh /*	3										N/A

h:HCl na:Sodium Hydoxide znna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/f/l:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA SL:Sleeve
* Number of VOA's w/ Headspace present

LOGGED BY/DATE: AB 03/27/02 REVIEWED BY/DATE: 03/27/02

PRC Ver. 6 081401 KRF QANACA01\N:\Prices\Sample\Control Forms

000004

BOE-C6-0003170

SEVERN TRENT SERVICES

Analytical Report

000005

EXECUTIVE SUMMARY - Detection Highlights

E2C270261

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TMW_6_032602_1105 03/26/02 11:05 002				
1,1-Dichloroethene	6.3	2.0	ug/L	SW846 8260B
Chloroform	130	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.6 J	2.0	ug/L	SW846 8260B
Trichloroethene	160	2.0	ug/L	SW846 8260B
BL_3_032602_1145 03/26/02 11:45 003				
Tetrachloroethene	22	12	ug/L	SW846 8260B
Trichloroethene	840	12	ug/L	SW846 8260B
TMW_9_032602_1220 03/26/02 12:20 004				
1,1-Dichloroethene	35	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	9.0	5.0	ug/L	SW846 8260B
Trichloroethene	260	5.0	ug/L	SW846 8260B
WCC_4S_032602_1315 03/26/02 13:15 005				
1,1-Dichloroethene	1600	25	ug/L	SW846 8260B
cis-1,2-Dichloroethene	22 J	25	ug/L	SW846 8260B
trans-1,2-Dichloroethene	15 J	25	ug/L	SW846 8260B
Toluene	12 J	25	ug/L	SW846 8260B
Trichloroethene	1000	25	ug/L	SW846 8260B
TMW4_TAIT032602_0001 03/26/02 14:00 006				
1,2-Dichloroethane	10 J	12	ug/L	SW846 8260B
1,1-Dichloroethene	720	25	ug/L	SW846 8260B
Chloroform	11 J	25	ug/L	SW846 8260B
1,1-Dichloroethane	18 J	25	ug/L	SW846 8260B
cis-1,2-Dichloroethene	36	25	ug/L	SW846 8260B
trans-1,2-Dichloroethene	21 J	25	ug/L	SW846 8260B
Trichloroethene	1900	25	ug/L	SW846 8260B
TMW4_TAIT032602_0002 03/26/02 14:00 007				
1,1-Dichloroethene	760	25	ug/L	SW846 8260B
Chloroform	11 J	25	ug/L	SW846 8260B
1,1-Dichloroethane	16 J	25	ug/L	SW846 8260B
cis-1,2-Dichloroethene	32	25	ug/L	SW846 8260B
trans-1,2-Dichloroethene	21 J	25	ug/L	SW846 8260B
Trichloroethene	1900	25	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E2C270261

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TMW_7_032602_1441 03/26/02 14:41 008				
1,1-Dichloroethene	200	25	ug/L	SW846 8260B
1,1-Dichloroethane	7.5 J	25	ug/L	SW846 8260B
cis-1,2-Dichloroethene	21 J	25	ug/L	SW846 8260B
Trichloroethene	1600	25	ug/L	SW846 8260B
WCC_6S_032602_1550 03/26/02 15:50 009				
Benzene	68 J	120	ug/L	SW846 8260B
1,1-Dichloroethene	10000	120	ug/L	SW846 8260B
Chloroform	40 J	120	ug/L	SW846 8260B
1,1-Dichloroethane	190	120	ug/L	SW846 8260B
cis-1,2-Dichloroethene	4100	120	ug/L	SW846 8260B
trans-1,2-Dichloroethene	200	120	ug/L	SW846 8260B
Toluene	2500	120	ug/L	SW846 8260B
1,1,1-Trichloroethane	780	120	ug/L	SW846 8260B
Trichloroethene	2000	120	ug/L	SW846 8260B
TMW_8_032602_1630 03/26/02 16:30 010				
Benzene	17 J	50	ug/L	SW846 8260B
1,1-Dichloroethene	3100	50	ug/L	SW846 8260B
1,1-Dichloroethane	42 J	50	ug/L	SW846 8260B
cis-1,2-Dichloroethene	72	50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	55	50	ug/L	SW846 8260B
Trichloroethene	3600	50	ug/L	SW846 8260B
TMW_5_032602_1712 03/26/02 17:12 011				
1,1-Dichloroethene	250	50	ug/L	SW846 8260B
Chloroform	20 J	50	ug/L	SW846 8260B
Trichloroethene	3900	50	ug/L	SW846 8260B
TMW_3_032602_1745 03/26/02 17:45 012				
1,1-Dichloroethene	140	50	ug/L	SW846 8260B
1,1-Dichloroethane	15 J	50	ug/L	SW846 8260B
Trichloroethene	4000	50	ug/L	SW846 8260B
TMW_2_032602_1835 03/26/02 18:35 013				
1,1-Dichloroethene	20000	250	ug/L	SW846 8260B
Chloroform	110 J	250	ug/L	SW846 8260B
1,1-Dichloroethane	1200	250	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E2C270261

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TMW_2_032602_1835 03/26/02 18:35 013				
cis-1,2-Dichloroethene	7800	250	ug/L	SW846 8260B
trans-1,2-Dichloroethene	420	250	ug/L	SW846 8260B
Toluene	1700	250	ug/L	SW846 8260B
1,1,1-Trichloroethane	650	250	ug/L	SW846 8260B
Trichloroethene	11000	250	ug/L	SW846 8260B

METHODS SUMMARY

E2C270261

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E2C270261

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EW23J	001	EB_TAIT032602_0001	03/26/02	07:30
EW23K	002	TMW_6_032602_1105	03/26/02	11:05
EW23L	003	BL_3_032602_1145	03/26/02	11:45
EW23Q	004	TMW_9_032602_1220	03/26/02	12:20
EW23V	005	WCC_4S_032602_1315	03/26/02	13:15
EW23W	006	TMW4_TAIT032602_0001	03/26/02	14:00
EW23X	007	TMW4_TAIT032602_0002	03/26/02	14:00
EW232	008	TMW_7_032602_1441	03/26/02	14:41
EW233	009	WCC_6S_032602_1550	03/26/02	15:50
EW234	010	TMW_8_032602_1630	03/26/02	16:30
EW235	011	TMW_5_032602_1712	03/26/02	17:12
EW236	012	TMW_3_032602_1745	03/26/02	17:45
EW237	013	TMW_2_032602_1835	03/26/02	18:35
EW239	014	TB_TAIT032602_0001	03/26/02	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032602_0001

GC/MS Volatiles

Lot-Sample #...: E2C270261-001 Work Order #...: EW23J1AA Matrix.....: WATER
Date Sampled...: 03/26/02 07:30 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 23:42
Dilution Factor: 1
Analyst ID.....: 004648 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT032602_0001

GC/MS Volatiles

Lot-Sample #...: E2C270261-001 **Work Order #...:** EW23J1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.80
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	98	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_6_032602_1105

GC/MS Volatiles

Lot-Sample #...:	E2C270261-002	**Work Order #...:**	EW23K1AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 11:05	**Date Received..:**	03/27/02 13:40	**MS Run #.....:**	2087119
Prep Date.....:	03/28/02	**Analysis Date..:**	03/28/02		
Prep Batch #...:	2087254	**Analysis Time..:**	00:11		
Dilution Factor:	2				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/L	6.0
Benzene	ND	2.0	ug/L	0.60
Bromobenzene	ND	2.0	ug/L	0.60
Bromochloromethane	ND	2.0	ug/L	0.60
Bromoform	ND	2.0	ug/L	0.60
Bromomethane	ND	4.0	ug/L	2.0
Carbon tetrachloride	ND	1.0	ug/L	0.60
2-Butanone	ND	10	ug/L	6.0
n-Butylbenzene	ND	2.0	ug/L	0.60
sec-Butylbenzene	ND	2.0	ug/L	0.60
tert-Butylbenzene	ND	2.0	ug/L	0.40
Carbon disulfide	ND	2.0	ug/L	0.60
Chlorobenzene	ND	2.0	ug/L	0.60
Dibromochloromethane	ND	2.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.80
Bromodichloromethane	ND	2.0	ug/L	0.60
1,2-Dichloroethane	ND	1.0	ug/L	0.80
1,1-Dichloroethene	**6.3**	**2.0**	**ug/L**	**0.60**
Chloroethane	ND	4.0	ug/L	0.60
Chloroform	**130**	**2.0**	**ug/L**	**0.60**
Chloromethane	ND	4.0	ug/L	0.60
2-Chlorotoluene	ND	2.0	ug/L	0.60
4-Chlorotoluene	ND	2.0	ug/L	0.60
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L	1.4
1,2-Dibromoethane	ND	2.0	ug/L	0.60
Iodomethane	ND	4.0	ug/L	2.0
1,2-Dichlorobenzene	ND	2.0	ug/L	0.60
1,3-Dichlorobenzene	ND	2.0	ug/L	0.60
1,4-Dichlorobenzene	ND	2.0	ug/L	0.60
1,1-Dichloroethane	ND	2.0	ug/L	0.40
cis-1,2-Dichloroethene	**1.6 J**	**2.0**	**ug/L**	**0.60**
trans-1,2-Dichloroethene	ND	2.0	ug/L	0.60
Vinyl chloride	ND	1.0	ug/L	0.60
2,2-Dichloropropane	ND	2.0	ug/L	0.60
1,1-Dichloropropene	ND	2.0	ug/L	0.60
Ethylbenzene	ND	2.0	ug/L	0.40

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_6_032602_1105

GC/MS Volatiles

Lot-Sample #...: E2C270261-002 **Work Order #...:** EW23K1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	2.0	ug/L	0.60
2-Hexanone	ND	10	ug/L	6.0
Isopropylbenzene	ND	2.0	ug/L	0.60
p-Isopropyltoluene	ND	2.0	ug/L	0.60
Methylene chloride	ND	2.0	ug/L	0.60
4-Methyl-2-pentanone	ND	10	ug/L	6.0
Methyl tert-butyl ether	ND	2.0	ug/L	1.0
n-Propylbenzene	ND	2.0	ug/L	0.80
Styrene	ND	2.0	ug/L	0.60
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	0.60
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	0.80
Tetrachloroethene	ND	2.0	ug/L	0.60
Toluene	ND	2.0	ug/L	0.60
1,2,3-Trichlorobenzene	ND	2.0	ug/L	0.80
1,2,4-Trichloro-benzene	ND	2.0	ug/L	0.60
1,1,1-Trichloroethane	ND	2.0	ug/L	0.40
1,1,2-Trichloroethane	ND	2.0	ug/L	0.60
Trichloroethene	**160**	**2.0**	**ug/L**	**0.60**
Trichlorofluoromethane	ND	4.0	ug/L	0.60
1,2,3-Trichloropropane	ND	2.0	ug/L	0.80
1,1,2-Trichlorotrifluoro-ethane	ND	2.0	ug/L	0.80
1,2,4-Trimethylbenzene	ND	2.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	2.0	ug/L	0.40
Xylenes (total)	ND	2.0	ug/L	1.6
Acrolein	ND	40	ug/L	24
Acrylonitrile	ND	40	ug/L	20
Vinyl acetate	ND	10	ug/L	4.0
Tetrahydrofuran	ND	20	ug/L	4.0
2-Chloroethyl vinyl ether	ND	10	ug/L	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	99	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: BL_3_032602_1145

GC/MS Volatiles

Lot-Sample #...:	E2C270261-003	**Work Order #...:**	EW23L1AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 11:45	**Date Received..:**	03/27/02 13:40	**MS Run #.....:**	2087119
Prep Date.....:	03/28/02	**Analysis Date..:**	03/28/02		
Prep Batch #...:	2087254	**Analysis Time..:**	00:41		
Dilution Factor:	12.5				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	120	ug/L	38
Benzene	ND	12	ug/L	3.8
Bromobenzene	ND	12	ug/L	3.8
Bromochloromethane	ND	12	ug/L	3.8
Bromoform	ND	12	ug/L	3.8
Bromomethane	ND	25	ug/L	12
Carbon tetrachloride	ND	6.2	ug/L	3.8
2-Butanone	ND	62	ug/L	38
n-Butylbenzene	ND	12	ug/L	3.8
sec-Butylbenzene	ND	12	ug/L	3.8
tert-Butylbenzene	ND	12	ug/L	2.5
Carbon disulfide	ND	12	ug/L	3.8
Chlorobenzene	ND	12	ug/L	3.8
Dibromochloromethane	ND	12	ug/L	5.0
Dichlorodifluoromethane	ND	12	ug/L	5.0
Bromodichloromethane	ND	12	ug/L	3.8
1,2-Dichloroethane	ND	6.2	ug/L	5.0
1,1-Dichloroethene	ND	12	ug/L	3.8
Chloroethane	ND	25	ug/L	3.8
Chloroform	ND	12	ug/L	3.8
Chloromethane	ND	25	ug/L	3.8
2-Chlorotoluene	ND	12	ug/L	3.8
4-Chlorotoluene	ND	12	ug/L	3.8
1,2-Dibromo-3-chloro-propane	ND	25	ug/L	8.8
1,2-Dibromoethane	ND	12	ug/L	3.8
Iodomethane	ND	25	ug/L	12
1,2-Dichlorobenzene	ND	12	ug/L	3.8
1,3-Dichlorobenzene	ND	12	ug/L	3.8
1,4-Dichlorobenzene	ND	12	ug/L	3.8
1,1-Dichloroethane	ND	12	ug/L	2.5
cis-1,2-Dichloroethene	ND	12	ug/L	3.8
trans-1,2-Dichloroethene	ND	12	ug/L	3.8
Vinyl chloride	ND	6.2	ug/L	3.8
2,2-Dichloropropane	ND	12	ug/L	3.8
1,1-Dichloropropene	ND	12	ug/L	3.8
Ethylbenzene	ND	12	ug/L	2.5

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: BL_3_032602_1145

GC/MS Volatiles

Lot-Sample #...: E2C270261-003 Work Order #...: EW23L1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	12	ug/L	3.8
2-Hexanone	ND	62	ug/L	38
Isopropylbenzene	ND	12	ug/L	3.8
p-Isopropyltoluene	ND	12	ug/L	3.8
Methylene chloride	ND	12	ug/L	3.8
4-Methyl-2-pentanone	ND	62	ug/L	38
Methyl tert-butyl ether	ND	12	ug/L	6.2
n-Propylbenzene	ND	12	ug/L	5.0
Styrene	ND	12	ug/L	3.8
1,1,1,2-Tetrachloroethane	ND	12	ug/L	3.8
1,1,2,2-Tetrachloroethane	ND	12	ug/L	5.0
Tetrachloroethene	**22**	**12**	**ug/L**	**3.8**
Toluene	ND	12	ug/L	3.8
1,2,3-Trichlorobenzene	ND	12	ug/L	5.0
1,2,4-Trichloro-benzene	ND	12	ug/L	3.8
1,1,1-Trichloroethane	ND	12	ug/L	2.5
1,1,2-Trichloroethane	ND	12	ug/L	3.8
Trichloroethene	**840**	**12**	**ug/L**	**3.8**
Trichlorofluoromethane	ND	25	ug/L	3.8
1,2,3-Trichloropropane	ND	12	ug/L	5.0
1,1,2-Trichlorotrifluoro-ethane	ND	12	ug/L	5.0
1,2,4-Trimethylbenzene	ND	12	ug/L	3.8
1,3,5-Trimethylbenzene	ND	12	ug/L	2.5
Xylenes (total)	ND	12	ug/L	10
Acrolein	ND	250	ug/L	150
Acrylonitrile	ND	250	ug/L	120
Vinyl acetate	ND	62	ug/L	25
Tetrahydrofuran	ND	120	ug/L	25
2-Chloroethyl vinyl ether	ND	62	ug/L	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(75 - 130)
1,2-Dichloroethane-d4	97	(65 - 135)
Toluene-d8	99	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_9_032602_1220

GC/MS Volatiles

Lot-Sample #...:	E2C270261-004	**Work Order #...:**	EW23Q1AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 12:20	**Date Received..:**	03/27/02 13:40	**MS Run #.....:**	2087119
Prep Date.....:	03/28/02	**Analysis Date..:**	03/28/02		
Prep Batch #...:	2087254	**Analysis Time..:**	01:11		
Dilution Factor:	5				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	50	ug/L	15
Benzene	ND	5.0	ug/L	1.5
Bromobenzene	ND	5.0	ug/L	1.5
Bromochloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	1.5
Bromomethane	ND	10	ug/L	5.0
Carbon tetrachloride	ND	2.5	ug/L	1.5
2-Butanone	ND	25	ug/L	15
n-Butylbenzene	ND	5.0	ug/L	1.5
sec-Butylbenzene	ND	5.0	ug/L	1.5
tert-Butylbenzene	ND	5.0	ug/L	1.0
Carbon disulfide	ND	5.0	ug/L	1.5
Chlorobenzene	ND	5.0	ug/L	1.5
Dibromochloromethane	ND	5.0	ug/L	2.0
Dichlorodifluoromethane	ND	5.0	ug/L	2.0
Bromodichloromethane	ND	5.0	ug/L	1.5
1,2-Dichloroethane	ND	2.5	ug/L	2.0
1,1-Dichloroethene	**35**	**5.0**	**ug/L**	**1.5**
Chloroethane	ND	10	ug/L	1.5
Chloroform	ND	5.0	ug/L	1.5
Chloromethane	ND	10	ug/L	1.5
2-Chlorotoluene	ND	5.0	ug/L	1.5
4-Chlorotoluene	ND	5.0	ug/L	1.5
1,2-Dibromo-3-chloro-propane	ND	10	ug/L	3.5
1,2-Dibromoethane	ND	5.0	ug/L	1.5
Iodomethane	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	5.0	ug/L	1.5
1,3-Dichlorobenzene	ND	5.0	ug/L	1.5
1,4-Dichlorobenzene	ND	5.0	ug/L	1.5
1,1-Dichloroethane	ND	5.0	ug/L	1.0
cis-1,2-Dichloroethene	**9.0**	**5.0**	**ug/L**	**1.5**
trans-1,2-Dichloroethene	ND	5.0	ug/L	1.5
Vinyl chloride	ND	2.5	ug/L	1.5
2,2-Dichloropropane	ND	5.0	ug/L	1.5
1,1-Dichloropropene	ND	5.0	ug/L	1.5
Ethylbenzene	ND	5.0	ug/L	1.0

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_9_032602_1220

GC/MS Volatiles

Lot-Sample #...: E2C270261-004 Work Order #...: EW23Q1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	5.0	ug/L	1.5
2-Hexanone	ND	25	ug/L	15
Isopropylbenzene	ND	5.0	ug/L	1.5
p-Isopropyltoluene	ND	5.0	ug/L	1.5
Methylene chloride	ND	5.0	ug/L	1.5
4-Methyl-2-pentanone	ND	25	ug/L	15
Methyl tert-butyl ether	ND	5.0	ug/L	2.5
n-Propylbenzene	ND	5.0	ug/L	2.0
Styrene	ND	5.0	ug/L	1.5
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	1.5
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	2.0
Tetrachloroethene	ND	5.0	ug/L	1.5
Toluene	ND	5.0	ug/L	1.5
1,2,3-Trichlorobenzene	ND	5.0	ug/L	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/L	1.5
1,1,1-Trichloroethane	ND	5.0	ug/L	1.0
1,1,2-Trichloroethane	ND	5.0	ug/L	1.5
Trichloroethene	**260**	**5.0**	**ug/L**	**1.5**
Trichlorofluoromethane	ND	10	ug/L	1.5
1,2,3-Trichloropropane	ND	5.0	ug/L	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/L	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/L	1.5
1,3,5-Trimethylbenzene	ND	5.0	ug/L	1.0
Xylenes (total)	ND	5.0	ug/L	4.0
Acrolein	ND	100	ug/L	60
Acrylonitrile	ND	100	ug/L	50
Vinyl acetate	ND	25	ug/L	10
Tetrahydrofuran	ND	50	ug/L	10
2-Chloroethyl vinyl ether	ND	25	ug/L	10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	97	(65 - 135)
Toluene-d8	99	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_4S_032602_1315

GC/MS Volatiles

Lot-Sample #...: E2C270261-005 Work Order #...: EW23V1AA Matrix.....: WATER
Date Sampled...: 03/26/02 13:15 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087254 Analysis Time..: 01:41
Dilution Factor: 25
Analyst ID.....: 004648 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	250	ug/L	75
Benzene	ND	25	ug/L	7.5
Bromobenzene	ND	25	ug/L	7.5
Bromochloromethane	ND	25	ug/L	7.5
Bromoform	ND	25	ug/L	7.5
Bromomethane	ND	50	ug/L	25
Carbon tetrachloride	ND	12	ug/L	7.5
2-Butanone	ND	120	ug/L	75
n-Butylbenzene	ND	25	ug/L	7.5
sec-Butylbenzene	ND	25	ug/L	7.5
tert-Butylbenzene	ND	25	ug/L	5.0
Carbon disulfide	ND	25	ug/L	7.5
Chlorobenzene	ND	25	ug/L	7.5
Dibromochloromethane	ND	25	ug/L	10
Dichlorodifluoromethane	ND	25	ug/L	10
Bromodichloromethane	ND	25	ug/L	7.5
1,2-Dichloroethane	ND	12	ug/L	10
1,1-Dichloroethene	**1600**	**25**	**ug/L**	**7.5**
Chloroethane	ND	50	ug/L	7.5
Chloroform	ND	25	ug/L	7.5
Chloromethane	ND	50	ug/L	7.5
2-Chlorotoluene	ND	25	ug/L	7.5
4-Chlorotoluene	ND	25	ug/L	7.5
1,2-Dibromo-3-chloro-propane	ND	50	ug/L	18
1,2-Dibromoethane	ND	25	ug/L	7.5
Iodomethane	ND	50	ug/L	25
1,2-Dichlorobenzene	ND	25	ug/L	7.5
1,3-Dichlorobenzene	ND	25	ug/L	7.5
1,4-Dichlorobenzene	ND	25	ug/L	7.5
1,1-Dichloroethane	ND	25	ug/L	5.0
cis-1,2-Dichloroethene	**22 J**	**25**	**ug/L**	**7.5**
trans-1,2-Dichloroethene	**15 J**	**25**	**ug/L**	**7.5**
Vinyl chloride	ND	12	ug/L	7.5
2,2-Dichloropropane	ND	25	ug/L	7.5
1,1-Dichloropropene	ND	25	ug/L	7.5
Ethylbenzene	ND	25	ug/L	5.0

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_4S_032602_1315

GC/MS Volatiles

Lot-Sample #...: E2C270261-005 **Work Order #...:** EW23V1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	25	ug/L	7.5
2-Hexanone	ND	120	ug/L	75
Isopropylbenzene	ND	25	ug/L	7.5
p-Isopropyltoluene	ND	25	ug/L	7.5
Methylene chloride	ND	25	ug/L	7.5
4-Methyl-2-pentanone	ND	120	ug/L	75
Methyl tert-butyl ether	ND	25	ug/L	12
n-Propylbenzene	ND	25	ug/L	10
Styrene	ND	25	ug/L	7.5
1,1,1,2-Tetrachloroethane	ND	25	ug/L	7.5
1,1,2,2-Tetrachloroethane	ND	25	ug/L	10
Tetrachloroethene	ND	25	ug/L	7.5
Toluene	**12 J**	**25**	**ug/L**	**7.5**
1,2,3-Trichlorobenzene	ND	25	ug/L	10
1,2,4-Trichloro-benzene	ND	25	ug/L	7.5
1,1,1-Trichloroethane	ND	25	ug/L	5.0
1,1,2-Trichloroethane	ND	25	ug/L	7.5
Trichloroethene	**1000**	**25**	**ug/L**	**7.5**
Trichlorofluoromethane	ND	50	ug/L	7.5
1,2,3-Trichloropropane	ND	25	ug/L	10
1,1,2-Trichlorotrifluoro-ethane	ND	25	ug/L	10
1,2,4-Trimethylbenzene	ND	25	ug/L	7.5
1,3,5-Trimethylbenzene	ND	25	ug/L	5.0
Xylenes (total)	ND	25	ug/L	20
Acrolein	ND	500	ug/L	300
Acrylonitrile	ND	500	ug/L	250
Vinyl acetate	ND	120	ug/L	50
Tetrahydrofuran	ND	250	ug/L	50
2-Chloroethyl vinyl ether	ND	120	ug/L	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	99	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW4_TAIT032602_0001

GC/MS Volatiles

Lot-Sample #...:	E2C270261-006	**Work Order #...:**	EW23W1AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 14:00	**Date Received..:**	03/27/02 13:40	**MS Run #.....:**	2087119
Prep Date.....:	03/28/02	**Analysis Date..:**	03/28/02		
Prep Batch #...:	2087254	**Analysis Time..:**	02:11		
Dilution Factor:	25				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	250	ug/L	75
Benzene	ND	25	ug/L	7.5
Bromobenzene	ND	25	ug/L	7.5
Bromochloromethane	ND	25	ug/L	7.5
Bromoform	ND	25	ug/L	7.5
Bromomethane	ND	50	ug/L	25
Carbon tetrachloride	ND	12	ug/L	7.5
2-Butanone	ND	120	ug/L	75
n-Butylbenzene	ND	25	ug/L	7.5
sec-Butylbenzene	ND	25	ug/L	7.5
tert-Butylbenzene	ND	25	ug/L	5.0
Carbon disulfide	ND	25	ug/L	7.5
Chlorobenzene	ND	25	ug/L	7.5
Dibromochloromethane	ND	25	ug/L	10
Dichlorodifluoromethane	ND	25	ug/L	10
Bromodichloromethane	ND	25	ug/L	7.5
1,2-Dichloroethane	**10 J**	**12**	**ug/L**	**10**
1,1-Dichloroethene	**720**	**25**	**ug/L**	**7.5**
Chloroethane	ND	50	ug/L	7.5
Chloroform	**11 J**	**25**	**ug/L**	**7.5**
Chloromethane	ND	50	ug/L	7.5
2-Chlorotoluene	ND	25	ug/L	7.5
4-Chlorotoluene	ND	25	ug/L	7.5
1,2-Dibromo-3-chloro-propane	ND	50	ug/L	18
1,2-Dibromoethane	ND	25	ug/L	7.5
Iodomethane	ND	50	ug/L	25
1,2-Dichlorobenzene	ND	25	ug/L	7.5
1,3-Dichlorobenzene	ND	25	ug/L	7.5
1,4-Dichlorobenzene	ND	25	ug/L	7.5
1,1-Dichloroethane	**18 J**	**25**	**ug/L**	**5.0**
cis-1,2-Dichloroethene	**36**	**25**	**ug/L**	**7.5**
trans-1,2-Dichloroethene	**21 J**	**25**	**ug/L**	**7.5**
Vinyl chloride	ND	12	ug/L	7.5
2,2-Dichloropropane	ND	25	ug/L	7.5
1,1-Dichloropropene	ND	25	ug/L	7.5
Ethylbenzene	ND	25	ug/L	5.0

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW4_TAIT032602_0001

GC/MS Volatiles

Lot-Sample #...: E2C270261-006 Work Order #...: EW23W1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	25	ug/L	7.5
2-Hexanone	ND	120	ug/L	75
Isopropylbenzene	ND	25	ug/L	7.5
p-Isopropyltoluene	ND	25	ug/L	7.5
Methylene chloride	ND	25	ug/L	7.5
4-Methyl-2-pentanone	ND	120	ug/L	75
Methyl tert-butyl ether	ND	25	ug/L	12
n-Propylbenzene	ND	25	ug/L	10
Styrene	ND	25	ug/L	7.5
1,1,1,2-Tetrachloroethane	ND	25	ug/L	7.5
1,1,2,2-Tetrachloroethane	ND	25	ug/L	10
Tetrachloroethene	ND	25	ug/L	7.5
Toluene	ND	25	ug/L	7.5
1,2,3-Trichlorobenzene	ND	25	ug/L	10
1,2,4-Trichloro-benzene	ND	25	ug/L	7.5
1,1,1-Trichloroethane	ND	25	ug/L	5.0
1,1,2-Trichloroethane	ND	25	ug/L	7.5
Trichloroethene	**1900**	**25**	**ug/L**	**7.5**
Trichlorofluoromethane	ND	50	ug/L	7.5
1,2,3-Trichloropropane	ND	25	ug/L	10
1,1,2-Trichlorotrifluoro-ethane	ND	25	ug/L	10
1,2,4-Trimethylbenzene	ND	25	ug/L	7.5
1,3,5-Trimethylbenzene	ND	25	ug/L	5.0
Xylenes (total)	ND	25	ug/L	20
Acrolein	ND	500	ug/L	300
Acrylonitrile	ND	500	ug/L	250
Vinyl acetate	ND	120	ug/L	50
Tetrahydrofuran	ND	250	ug/L	50
2-Chloroethyl vinyl ether	ND	120	ug/L	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	97	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW4_TAIT032602_0002

GC/MS Volatiles

Lot-Sample #...:	E2C270261-007	**Work Order #...:**	EW23X1AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 14:00	**Date Received..:**	03/27/02 13:40	**MS Run #.....:**	2087119
Prep Date.....:	03/28/02	**Analysis Date..:**	03/28/02		
Prep Batch #...:	2087254	**Analysis Time..:**	02:40		
Dilution Factor:	25				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	250	ug/L	75
Benzene	ND	25	ug/L	7.5
Bromobenzene	ND	25	ug/L	7.5
Bromochloromethane	ND	25	ug/L	7.5
Bromoform	ND	25	ug/L	7.5
Bromomethane	ND	50	ug/L	25
Carbon tetrachloride	ND	12	ug/L	7.5
2-Butanone	ND	120	ug/L	75
n-Butylbenzene	ND	25	ug/L	7.5
sec-Butylbenzene	ND	25	ug/L	7.5
tert-Butylbenzene	ND	25	ug/L	5.0
Carbon disulfide	ND	25	ug/L	7.5
Chlorobenzene	ND	25	ug/L	7.5
Dibromochloromethane	ND	25	ug/L	10
Dichlorodifluoromethane	ND	25	ug/L	10
Bromodichloromethane	ND	25	ug/L	7.5
1,2-Dichloroethane	ND	12	ug/L	10
1,1-Dichloroethene	**760**	**25**	**ug/L**	**7.5**
Chloroethane	ND	50	ug/L	7.5
Chloroform	**11 J**	**25**	**ug/L**	**7.5**
Chloromethane	ND	50	ug/L	7.5
2-Chlorotoluene	ND	25	ug/L	7.5
4-Chlorotoluene	ND	25	ug/L	7.5
1,2-Dibromo-3-chloro-propane	ND	50	ug/L	18
1,2-Dibromoethane	ND	25	ug/L	7.5
Iodomethane	ND	50	ug/L	25
1,2-Dichlorobenzene	ND	25	ug/L	7.5
1,3-Dichlorobenzene	ND	25	ug/L	7.5
1,4-Dichlorobenzene	ND	25	ug/L	7.5
1,1-Dichloroethane	**16 J**	**25**	**ug/L**	**5.0**
cis-1,2-Dichloroethene	**32**	**25**	**ug/L**	**7.5**
trans-1,2-Dichloroethene	**21 J**	**25**	**ug/L**	**7.5**
Vinyl chloride	ND	12	ug/L	7.5
2,2-Dichloropropane	ND	25	ug/L	7.5
1,1-Dichloropropene	ND	25	ug/L	7.5
Ethylbenzene	ND	25	ug/L	5.0

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW4_TAIT032602_0002

GC/MS Volatiles

Lot-Sample #...: E2C270261-007 Work Order #...: EW23X1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	25	ug/L	7.5
2-Hexanone	ND	120	ug/L	75
Isopropylbenzene	ND	25	ug/L	7.5
p-Isopropyltoluene	ND	25	ug/L	7.5
Methylene chloride	ND	25	ug/L	7.5
4-Methyl-2-pentanone	ND	120	ug/L	75
Methyl tert-butyl ether	ND	25	ug/L	12
n-Propylbenzene	ND	25	ug/L	10
Styrene	ND	25	ug/L	7.5
1,1,1,2-Tetrachloroethane	ND	25	ug/L	7.5
1,1,2,2-Tetrachloroethane	ND	25	ug/L	10
Tetrachloroethene	ND	25	ug/L	7.5
Toluene	ND	25	ug/L	7.5
1,2,3-Trichlorobenzene	ND	25	ug/L	10
1,2,4-Trichloro-benzene	ND	25	ug/L	7.5
1,1,1-Trichloroethane	ND	25	ug/L	5.0
1,1,2-Trichloroethane	ND	25	ug/L	7.5
Trichloroethene	**1900**	**25**	**ug/L**	**7.5**
Trichlorofluoromethane	ND	50	ug/L	7.5
1,2,3-Trichloropropane	ND	25	ug/L	10
1,1,2-Trichlorotrifluoro-ethane	ND	25	ug/L	10
1,2,4-Trimethylbenzene	ND	25	ug/L	7.5
1,3,5-Trimethylbenzene	ND	25	ug/L	5.0
Xylenes (total)	ND	25	ug/L	20
Acrolein	ND	500	ug/L	300
Acrylonitrile	ND	500	ug/L	250
Vinyl acetate	ND	120	ug/L	50
Tetrahydrofuran	ND	250	ug/L	50
2-Chloroethyl vinyl ether	ND	120	ug/L	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	105	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_032602_1441

GC/MS Volatiles

Lot-Sample #...: E2C270261-008 Work Order #...: EW2321AA Matrix.....: WATER
Date Sampled...: 03/26/02 14:41 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087254 Analysis Time..: 03:10
Dilution Factor: 25
Analyst ID.....: 004648 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	250	ug/L	75
Benzene	ND	25	ug/L	7.5
Bromobenzene	ND	25	ug/L	7.5
Bromochloromethane	ND	25	ug/L	7.5
Bromoform	ND	25	ug/L	7.5
Bromomethane	ND	50	ug/L	25
Carbon tetrachloride	ND	12	ug/L	7.5
2-Butanone	ND	120	ug/L	75
n-Butylbenzene	ND	25	ug/L	7.5
sec-Butylbenzene	ND	25	ug/L	7.5
tert-Butylbenzene	ND	25	ug/L	5.0
Carbon disulfide	ND	25	ug/L	7.5
Chlorobenzene	ND	25	ug/L	7.5
Dibromochloromethane	ND	25	ug/L	10
Dichlorodifluoromethane	ND	25	ug/L	10
Bromodichloromethane	ND	25	ug/L	7.5
1,2-Dichloroethane	ND	12	ug/L	10
1,1-Dichloroethene	**200**	**25**	**ug/L**	**7.5**
Chloroethane	ND	50	ug/L	7.5
Chloroform	ND	25	ug/L	7.5
Chloromethane	ND	50	ug/L	7.5
2-Chlorotoluene	ND	25	ug/L	7.5
4-Chlorotoluene	ND	25	ug/L	7.5
1,2-Dibromo-3-chloro-propane	ND	50	ug/L	18
1,2-Dibromoethane	ND	25	ug/L	7.5
Iodomethane	ND	50	ug/L	25
1,2-Dichlorobenzene	ND	25	ug/L	7.5
1,3-Dichlorobenzene	ND	25	ug/L	7.5
1,4-Dichlorobenzene	ND	25	ug/L	7.5
1,1-Dichloroethane	**7.5 J**	**25**	**ug/L**	**5.0**
cis-1,2-Dichloroethene	**21 J**	**25**	**ug/L**	**7.5**
trans-1,2-Dichloroethene	ND	25	ug/L	7.5
Vinyl chloride	ND	12	ug/L	7.5
2,2-Dichloropropane	ND	25	ug/L	7.5
1,1-Dichloropropene	ND	25	ug/L	7.5
Ethylbenzene	ND	25	ug/L	5.0

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_032602_1441

GC/MS Volatiles

Lot-Sample #...: E2C270261-008 Work Order #...: EW2321AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	25	ug/L	7.5
2-Hexanone	ND	120	ug/L	75
Isopropylbenzene	ND	25	ug/L	7.5
p-Isopropyltoluene	ND	25	ug/L	7.5
Methylene chloride	ND	25	ug/L	7.5
4-Methyl-2-pentanone	ND	120	ug/L	75
Methyl tert-butyl ether	ND	25	ug/L	12
n-Propylbenzene	ND	25	ug/L	10
Styrene	ND	25	ug/L	7.5
1,1,1,2-Tetrachloroethane	ND	25	ug/L	7.5
1,1,2,2-Tetrachloroethane	ND	25	ug/L	10
Tetrachloroethene	ND	25	ug/L	7.5
Toluene	ND	25	ug/L	7.5
1,2,3-Trichlorobenzene	ND	25	ug/L	10
1,2,4-Trichloro-benzene	ND	25	ug/L	7.5
1,1,1-Trichloroethane	ND	25	ug/L	5.0
1,1,2-Trichloroethane	ND	25	ug/L	7.5
Trichloroethene	**1600**	**25**	**ug/L**	**7.5**
Trichlorofluoromethane	ND	50	ug/L	7.5
1,2,3-Trichloropropane	ND	25	ug/L	10
1,1,2-Trichlorotrifluoro-ethane	ND	25	ug/L	10
1,2,4-Trimethylbenzene	ND	25	ug/L	7.5
1,3,5-Trimethylbenzene	ND	25	ug/L	5.0
Xylenes (total)	ND	25	ug/L	20
Acrolein	ND	500	ug/L	300
Acrylonitrile	ND	500	ug/L	250
Vinyl acetate	ND	120	ug/L	50
Tetrahydrofuran	ND	250	ug/L	50
2-Chloroethyl vinyl ether	ND	120	ug/L	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
Toluene-d8	99	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: WCC_6S_032602_1550

GC/MS Volatiles

Lot-Sample #...: E2C270261-009 Work Order #...: EW2331AA Matrix.....: WATER
Date Sampled...: 03/26/02 15:50 Date Received..: 03/27/02 13:40 MS Run #.....: 2087119
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087254 Analysis Time..: 03:40
Dilution Factor: 125
Analyst ID.....: 004648 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1200	ug/L	380
Benzene	**68 J**	**120**	**ug/L**	**38**
Bromobenzene	ND	120	ug/L	38
Bromochloromethane	ND	120	ug/L	38
Bromoform	ND	120	ug/L	38
Bromomethane	ND	250	ug/L	120
Carbon tetrachloride	ND	62	ug/L	38
2-Butanone	ND	620	ug/L	380
n-Butylbenzene	ND	120	ug/L	38
sec-Butylbenzene	ND	120	ug/L	38
tert-Butylbenzene	ND	120	ug/L	25
Carbon disulfide	ND	120	ug/L	38
Chlorobenzene	ND	120	ug/L	38
Dibromochloromethane	ND	120	ug/L	50
Dichlorodifluoromethane	ND	120	ug/L	50
Bromodichloromethane	ND	120	ug/L	38
1,2-Dichloroethane	ND	62	ug/L	50
1,1-Dichloroethene	**10000**	**120**	**ug/L**	**38**
Chloroethane	ND	250	ug/L	38
Chloroform	**40 J**	**120**	**ug/L**	**38**
Chloromethane	ND	250	ug/L	38
2-Chlorotoluene	ND	120	ug/L	38
4-Chlorotoluene	ND	120	ug/L	38
1,2-Dibromo-3-chloro-propane	ND	250	ug/L	88
1,2-Dibromoethane	ND	120	ug/L	38
Iodomethane	ND	250	ug/L	120
1,2-Dichlorobenzene	ND	120	ug/L	38
1,3-Dichlorobenzene	ND	120	ug/L	38
1,4-Dichlorobenzene	ND	120	ug/L	38
1,1-Dichloroethane	**190**	**120**	**ug/L**	**25**
cis-1,2-Dichloroethene	**4100**	**120**	**ug/L**	**38**
trans-1,2-Dichloroethene	**200**	**120**	**ug/L**	**38**
Vinyl chloride	ND	62	ug/L	38
2,2-Dichloropropane	ND	120	ug/L	38
1,1-Dichloropropene	ND	120	ug/L	38
Ethylbenzene	ND	120	ug/L	25

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: WCC_6S_032602_1550

GC/MS Volatiles

Lot-Sample #...: E2C270261-009 **Work Order #...:** EW2331AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	120	ug/L	38
2-Hexanone	ND	620	ug/L	380
Isopropylbenzene	ND	120	ug/L	38
p-Isopropyltoluene	ND	120	ug/L	38
Methylene chloride	ND	120	ug/L	38
4-Methyl-2-pentanone	ND	620	ug/L	380
Methyl tert-butyl ether	ND	120	ug/L	62
n-Propylbenzene	ND	120	ug/L	50
Styrene	ND	120	ug/L	38
1,1,1,2-Tetrachloroethane	ND	120	ug/L	38
1,1,2,2-Tetrachloroethane	ND	120	ug/L	50
Tetrachloroethene	ND	120	ug/L	38
Toluene	**2500**	**120**	**ug/L**	**38**
1,2,3-Trichlorobenzene	ND	120	ug/L	50
1,2,4-Trichloro-benzene	ND	120	ug/L	38
1,1,1-Trichloroethane	**780**	**120**	**ug/L**	**25**
1,1,2-Trichloroethane	ND	120	ug/L	38
Trichloroethene	**2000**	**120**	**ug/L**	**38**
Trichlorofluoromethane	ND	250	ug/L	38
1,2,3-Trichloropropane	ND	120	ug/L	50
1,1,2-Trichlorotrifluoro-ethane	ND	120	ug/L	50
1,2,4-Trimethylbenzene	ND	120	ug/L	38
1,3,5-Trimethylbenzene	ND	120	ug/L	25
Xylenes (total)	ND	120	ug/L	100
Acrolein	ND	2500	ug/L	1500
Acrylonitrile	ND	2500	ug/L	1200
Vinyl acetate	ND	620	ug/L	250
Tetrahydrofuran	ND	1200	ug/L	250
2-Chloroethyl vinyl ether	ND	620	ug/L	250

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	97	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_8_032602_1630

GC/MS Volatiles

Lot-Sample #...:	E2C270261-010	**Work Order #...:**	EW2341AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 16:30	**Date Received..:**	03/27/02 13:40	**MS Run #.....:**	2087119
Prep Date.....:	03/28/02	**Analysis Date..:**	03/28/02		
Prep Batch #...:	2087254	**Analysis Time..:**	04:10		
Dilution Factor:	50				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	500	ug/L	150
Benzene	**17 J**	**50**	**ug/L**	**15**
Bromobenzene	ND	50	ug/L	15
Bromochloromethane	ND	50	ug/L	15
Bromoform	ND	50	ug/L	15
Bromomethane	ND	100	ug/L	50
Carbon tetrachloride	ND	25	ug/L	15
2-Butanone	ND	250	ug/L	150
n-Butylbenzene	ND	50	ug/L	15
sec-Butylbenzene	ND	50	ug/L	15
tert-Butylbenzene	ND	50	ug/L	10
Carbon disulfide	ND	50	ug/L	15
Chlorobenzene	ND	50	ug/L	15
Dibromochloromethane	ND	50	ug/L	20
Dichlorodifluoromethane	ND	50	ug/L	20
Bromodichloromethane	ND	50	ug/L	15
1,2-Dichloroethane	ND	25	ug/L	20
1,1-Dichloroethene	**3100**	**50**	**ug/L**	**15**
Chloroethane	ND	100	ug/L	15
Chloroform	ND	50	ug/L	15
Chloromethane	ND	100	ug/L	15
2-Chlorotoluene	ND	50	ug/L	15
4-Chlorotoluene	ND	50	ug/L	15
1,2-Dibromo-3-chloro-propane	ND	100	ug/L	35
1,2-Dibromoethane	ND	50	ug/L	15
Iodomethane	ND	100	ug/L	50
1,2-Dichlorobenzene	ND	50	ug/L	15
1,3-Dichlorobenzene	ND	50	ug/L	15
1,4-Dichlorobenzene	ND	50	ug/L	15
1,1-Dichloroethane	**42 J**	**50**	**ug/L**	**10**
cis-1,2-Dichloroethene	**72**	**50**	**ug/L**	**15**
trans-1,2-Dichloroethene	**55**	**50**	**ug/L**	**15**
Vinyl chloride	ND	25	ug/L	15
2,2-Dichloropropane	ND	50	ug/L	15
1,1-Dichloropropene	ND	50	ug/L	15
Ethylbenzene	ND	50	ug/L	10

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_8_032602_1630

GC/MS Volatiles

Lot-Sample #...: E2C270261-010 **Work Order #...:** EW2341AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	50	ug/L	15
2-Hexanone	ND	250	ug/L	150
Isopropylbenzene	ND	50	ug/L	15
p-Isopropyltoluene	ND	50	ug/L	15
Methylene chloride	ND	50	ug/L	15
4-Methyl-2-pentanone	ND	250	ug/L	150
Methyl tert-butyl ether	ND	50	ug/L	25
n-Propylbenzene	ND	50	ug/L	20
Styrene	ND	50	ug/L	15
1,1,1,2-Tetrachloroethane	ND	50	ug/L	15
1,1,2,2-Tetrachloroethane	ND	50	ug/L	20
Tetrachloroethene	ND	50	ug/L	15
Toluene	ND	50	ug/L	15
1,2,3-Trichlorobenzene	ND	50	ug/L	20
1,2,4-Trichloro-benzene	ND	50	ug/L	15
1,1,1-Trichloroethane	ND	50	ug/L	10
1,1,2-Trichloroethane	ND	50	ug/L	15
Trichloroethene	**3600**	**50**	**ug/L**	**15**
Trichlorofluoromethane	ND	100	ug/L	15
1,2,3-Trichloropropane	ND	50	ug/L	20
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L	20
1,2,4-Trimethylbenzene	ND	50	ug/L	15
1,3,5-Trimethylbenzene	ND	50	ug/L	10
Xylenes (total)	ND	50	ug/L	40
Acrolein	ND	1000	ug/L	600
Acrylonitrile	ND	1000	ug/L	500
Vinyl acetate	ND	250	ug/L	100
Tetrahydrofuran	ND	500	ug/L	100
2-Chloroethyl vinyl ether	ND	250	ug/L	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	98	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_5_032602_1712

GC/MS Volatiles

Lot-Sample #...:	E2C270261-011	**Work Order #...:**	EW2351AA	**Matrix.....:**	WATER
Date Sampled...:	03/26/02 17:12	**Date Received..:**	03/27/02 13:40	**MS Run #.....:**	2087119
Prep Date.....:	03/28/02	**Analysis Date..:**	03/28/02		
Prep Batch #...:	2087254	**Analysis Time..:**	04:40		
Dilution Factor:	50				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	500	ug/L	150
Benzene	ND	50	ug/L	15
Bromobenzene	ND	50	ug/L	15
Bromochloromethane	ND	50	ug/L	15
Bromoform	ND	50	ug/L	15
Bromomethane	ND	100	ug/L	50
Carbon tetrachloride	ND	25	ug/L	15
2-Butanone	ND	250	ug/L	150
n-Butylbenzene	ND	50	ug/L	15
sec-Butylbenzene	ND	50	ug/L	15
tert-Butylbenzene	ND	50	ug/L	10
Carbon disulfide	ND	50	ug/L	15
Chlorobenzene	ND	50	ug/L	15
Dibromochloromethane	ND	50	ug/L	20
Dichlorodifluoromethane	ND	50	ug/L	20
Bromodichloromethane	ND	50	ug/L	15
1,2-Dichloroethane	ND	25	ug/L	20
1,1-Dichloroethene	**250**	**50**	**ug/L**	**15**
Chloroethane	ND	100	ug/L	15
Chloroform	**20 J**	**50**	**ug/L**	**15**
Chloromethane	ND	100	ug/L	15
2-Chlorotoluene	ND	50	ug/L	15
4-Chlorotoluene	ND	50	ug/L	15
1,2-Dibromo-3-chloro-propane	ND	100	ug/L	35
1,2-Dibromoethane	ND	50	ug/L	15
Iodomethane	ND	100	ug/L	50
1,2-Dichlorobenzene	ND	50	ug/L	15
1,3-Dichlorobenzene	ND	50	ug/L	15
1,4-Dichlorobenzene	ND	50	ug/L	15
1,1-Dichloroethane	ND	50	ug/L	10
cis-1,2-Dichloroethene	ND	50	ug/L	15
trans-1,2-Dichloroethene	ND	50	ug/L	15
Vinyl chloride	ND	25	ug/L	15
2,2-Dichloropropane	ND	50	ug/L	15
1,1-Dichloropropene	ND	50	ug/L	15
Ethylbenzene	ND	50	ug/L	10

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_5_032602_1712

GC/MS Volatiles

Lot-Sample #...: E2C270261-011 Work Order #...: EW2351AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	50	ug/L	15
2-Hexanone	ND	250	ug/L	150
Isopropylbenzene	ND	50	ug/L	15
p-Isopropyltoluene	ND	50	ug/L	15
Methylene chloride	ND	50	ug/L	15
4-Methyl-2-pentanone	ND	250	ug/L	150
Methyl tert-butyl ether	ND	50	ug/L	25
n-Propylbenzene	ND	50	ug/L	20
Styrene	ND	50	ug/L	15
1,1,1,2-Tetrachloroethane	ND	50	ug/L	15
1,1,2,2-Tetrachloroethane	ND	50	ug/L	20
Tetrachloroethene	ND	50	ug/L	15
Toluene	ND	50	ug/L	15
1,2,3-Trichlorobenzene	ND	50	ug/L	20
1,2,4-Trichloro-benzene	ND	50	ug/L	15
1,1,1-Trichloroethane	ND	50	ug/L	10
1,1,2-Trichloroethane	ND	50	ug/L	15
Trichloroethene	**3900**	**50**	**ug/L**	**15**
Trichlorofluoromethane	ND	100	ug/L	15
1,2,3-Trichloropropane	ND	50	ug/L	20
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L	20
1,2,4-Trimethylbenzene	ND	50	ug/L	15
1,3,5-Trimethylbenzene	ND	50	ug/L	10
Xylenes (total)	ND	50	ug/L	40
Acrolein	ND	1000	ug/L	600
Acrylonitrile	ND	1000	ug/L	500
Vinyl acetate	ND	250	ug/L	100
Tetrahydrofuran	ND	500	ug/L	100
2-Chloroethyl vinyl ether	ND	250	ug/L	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 - 130)
1,2-Dichloroethane-d4	99	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_3_032602_1745

GC/MS Volatiles

Lot-Sample #...: E2C270261-012 Work Order #...: EW2361AA Matrix.....: WATER
Date Sampled...: 03/26/02 17:45 Date Received..: 03/27/02 13:40 MS Run #.....: 2088002
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087567 Analysis Time..: 11:58
Dilution Factor: 50
Analyst ID.....: 015590 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	500	ug/L	150
Benzene	ND	50	ug/L	15
Bromobenzene	ND	50	ug/L	15
Bromochloromethane	ND	50	ug/L	15
Bromoform	ND	50	ug/L	15
Bromomethane	ND	100	ug/L	50
Carbon tetrachloride	ND	25	ug/L	15
2-Butanone	ND	250	ug/L	150
n-Butylbenzene	ND	50	ug/L	15
sec-Butylbenzene	ND	50	ug/L	15
tert-Butylbenzene	ND	50	ug/L	10
Carbon disulfide	ND	50	ug/L	15
Chlorobenzene	ND	50	ug/L	15
Dibromochloromethane	ND	50	ug/L	20
Dichlorodifluoromethane	ND	50	ug/L	20
Bromodichloromethane	ND	50	ug/L	15
1,2-Dichloroethane	ND	25	ug/L	20
1,1-Dichloroethene	**140**	**50**	**ug/L**	**15**
Chloroethane	ND	100	ug/L	15
Chloroform	ND	50	ug/L	15
Chloromethane	ND	100	ug/L	15
2-Chlorotoluene	ND	50	ug/L	15
4-Chlorotoluene	ND	50	ug/L	15
1,2-Dibromo-3-chloro-propane	ND	100	ug/L	35
1,2-Dibromoethane	ND	50	ug/L	15
Iodomethane	ND	100	ug/L	50
1,2-Dichlorobenzene	ND	50	ug/L	15
1,3-Dichlorobenzene	ND	50	ug/L	15
1,4-Dichlorobenzene	ND	50	ug/L	15
1,1-Dichloroethane	**15 J**	**50**	**ug/L**	**10**
cis-1,2-Dichloroethene	ND	50	ug/L	15
trans-1,2-Dichloroethene	ND	50	ug/L	15
Vinyl chloride	ND	25	ug/L	15
2,2-Dichloropropane	ND	50	ug/L	15
1,1-Dichloropropene	ND	50	ug/L	15
Ethylbenzene	ND	50	ug/L	10

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_3_032602_1745

GC/MS Volatiles

Lot-Sample #...: E2C270261-012 Work Order #...: EW2361AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	50	ug/L	15
2-Hexanone	ND	250	ug/L	150
Isopropylbenzene	ND	50	ug/L	15
p-Isopropyltoluene	ND	50	ug/L	15
Methylene chloride	ND	50	ug/L	15
4-Methyl-2-pentanone	ND	250	ug/L	150
Methyl tert-butyl ether	ND	50	ug/L	25
n-Propylbenzene	ND	50	ug/L	20
Styrene	ND	50	ug/L	15
1,1,1,2-Tetrachloroethane	ND	50	ug/L	15
1,1,2,2-Tetrachloroethane	ND	50	ug/L	20
Tetrachloroethene	ND	50	ug/L	15
Toluene	ND	50	ug/L	15
1,2,3-Trichlorobenzene	ND	50	ug/L	20
1,2,4-Trichloro-benzene	ND	50	ug/L	15
1,1,1-Trichloroethane	ND	50	ug/L	10
1,1,2-Trichloroethane	ND	50	ug/L	15
Trichloroethene	**4000**	**50**	**ug/L**	**15**
Trichlorofluoromethane	ND	100	ug/L	15
1,2,3-Trichloropropane	ND	50	ug/L	20
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L	20
1,2,4-Trimethylbenzene	ND	50	ug/L	15
1,3,5-Trimethylbenzene	ND	50	ug/L	10
Xylenes (total)	ND	50	ug/L	40
Acrolein	ND	1000	ug/L	600
Acrylonitrile	ND	1000	ug/L	500
Vinyl acetate	ND	250	ug/L	100
Tetrahydrofuran	ND	500	ug/L	100
2-Chloroethyl vinyl ether	ND	250	ug/L	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	97	(65 - 135)
Toluene-d8	97	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_2_032602_1835

GC/MS Volatiles

Lot-Sample #...: E2C270261-013 Work Order #...: EW2371AA Matrix.....: WATER
Date Sampled...: 03/26/02 18:35 Date Received..: 03/27/02 13:40 MS Run #.....: 2088002
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087567 Analysis Time..: 11:28
Dilution Factor: 250
Analyst ID.....: 015590 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2500	ug/L	750
Benzene	ND	250	ug/L	75
Bromobenzene	ND	250	ug/L	75
Bromochloromethane	ND	250	ug/L	75
Bromoform	ND	250	ug/L	75
Bromomethane	ND	500	ug/L	250
Carbon tetrachloride	ND	120	ug/L	75
2-Butanone	ND	1200	ug/L	750
n-Butylbenzene	ND	250	ug/L	75
sec-Butylbenzene	ND	250	ug/L	75
tert-Butylbenzene	ND	250	ug/L	50
Carbon disulfide	ND	250	ug/L	75
Chlorobenzene	ND	250	ug/L	75
Dibromochloromethane	ND	250	ug/L	100
Dichlorodifluoromethane	ND	250	ug/L	100
Bromodichloromethane	ND	250	ug/L	75
1,2-Dichloroethane	ND	120	ug/L	100
1,1-Dichloroethene	**20000**	**250**	**ug/L**	**75**
Chloroethane	ND	500	ug/L	75
Chloroform	**110 J**	**250**	**ug/L**	**75**
Chloromethane	ND	500	ug/L	75
2-Chlorotoluene	ND	250	ug/L	75
4-Chlorotoluene	ND	250	ug/L	75
1,2-Dibromo-3-chloro-propane	ND	500	ug/L	180
1,2-Dibromoethane	ND	250	ug/L	75
Iodomethane	ND	500	ug/L	250
1,2-Dichlorobenzene	ND	250	ug/L	75
1,3-Dichlorobenzene	ND	250	ug/L	75
1,4-Dichlorobenzene	ND	250	ug/L	75
1,1-Dichloroethane	**1200**	**250**	**ug/L**	**50**
cis-1,2-Dichloroethene	**7800**	**250**	**ug/L**	**75**
trans-1,2-Dichloroethene	**420**	**250**	**ug/L**	**75**
Vinyl chloride	ND	120	ug/L	75
2,2-Dichloropropane	ND	250	ug/L	75
1,1-Dichloropropene	ND	250	ug/L	75
Ethylbenzene	ND	250	ug/L	50

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_2_032602_1835

GC/MS Volatiles

Lot-Sample #...: E2C270261-013 Work Order #...: EW2371AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	250	ug/L	75
2-Hexanone	ND	1200	ug/L	750
Isopropylbenzene	ND	250	ug/L	75
p-Isopropyltoluene	ND	250	ug/L	75
Methylene chloride	ND	250	ug/L	75
4-Methyl-2-pentanone	ND	1200	ug/L	750
Methyl tert-butyl ether	ND	250	ug/L	120
n-Propylbenzene	ND	250	ug/L	100
Styrene	ND	250	ug/L	75
1,1,1,2-Tetrachloroethane	ND	250	ug/L	75
1,1,2,2-Tetrachloroethane	ND	250	ug/L	100
Tetrachloroethene	ND	250	ug/L	75
Toluene	**1700**	**250**	**ug/L**	**75**
1,2,3-Trichlorobenzene	ND	250	ug/L	100
1,2,4-Trichloro-benzene	ND	250	ug/L	75
1,1,1-Trichloroethane	**650**	**250**	**ug/L**	**50**
1,1,2-Trichloroethane	ND	250	ug/L	75
Trichloroethene	**11000**	**250**	**ug/L**	**75**
Trichlorofluoromethane	ND	500	ug/L	75
1,2,3-Trichloropropane	ND	250	ug/L	100
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/L	100
1,2,4-Trimethylbenzene	ND	250	ug/L	75
1,3,5-Trimethylbenzene	ND	250	ug/L	50
Xylenes (total)	ND	250	ug/L	200
Acrolein	ND	5000	ug/L	3000
Acrylonitrile	ND	5000	ug/L	2500
Vinyl acetate	ND	1200	ug/L	500
Tetrahydrofuran	ND	2500	ug/L	500
2-Chloroethyl vinyl ether	ND	1200	ug/L	500

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032602_0001

GC/MS Volatiles

Lot-Sample #...: E2C270261-014 Work Order #...: EW2391AA Matrix.....: WATER
Date Sampled...: 03/26/02 Date Received..: 03/27/02 13:40 MS Run #.....: 2088002
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087567 Analysis Time..: 10:59
Dilution Factor: 1
Analyst ID.....: 015590 Instrument ID..: MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032602_0001

GC/MS Volatiles

Lot-Sample #...: E2C270261-014 Work Order #...: EW2391AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.80
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 - 130)
1,2-Dichloroethane-d4	88	(65 - 135)
Toluene-d8	111	(80 - 130)

SEVERN
TRENT
SERVICES

QA/QC

000039

QC DATA ASSOCIATION SUMMARY

E2C270261

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		2087254	2087119
002	WATER	SW846 8260B		2087254	2087119
003	WATER	SW846 8260B		2087254	2087119
004	WATER	SW846 8260B		2087254	2087119
005	WATER	SW846 8260B		2087254	2087119
006	WATER	SW846 8260B		2087254	2087119
007	WATER	SW846 8260B		2087254	2087119
008	WATER	SW846 8260B		2087254	2087119
009	WATER	SW846 8260B		2087254	2087119
010	WATER	SW846 8260B		2087254	2087119
011	WATER	SW846 8260B		2087254	2087119
012	WATER	SW846 8260B		2087567	2088002
013	WATER	SW846 8260B		2087567	2088002
014	WATER	SW846 8260B		2087567	2088002

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C270261
MB Lot-Sample #: E2C280000-254

Work Order #...: EW39X1AA

Matrix.....: WATER

Prep Date.....: 03/27/02

Analysis Time..: 19:44

Analysis Date..: 03/27/02

Prep Batch #...: 2087254

Instrument ID..: MSH

Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C270261 Work Order #...: EW39X1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	94	(80 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C270261
MB Lot-Sample #: E2C280000-567

Work Order #...: EW5K41AA

Matrix.....: WATER

Prep Date.....: 03/28/02

Analysis Time..: 10:17

Analysis Date..: 03/28/02

Prep Batch #...: 2087567

Instrument ID..: MSH

Dilution Factor: 1

Analyst ID.....: 015590

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2C270261 **Work Order #...:** EW5K41AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	99	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C270261 Work Order #...: EW39X1AC Matrix.....: WATER
LCS Lot-Sample#: E2C280000-254
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 18:44
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	10.0	9.55	ug/L	96	SW846 8260B
Chlorobenzene	10.0	9.85	ug/L	98	SW846 8260B
1,1-Dichloroethene	10.0	10.1	ug/L	101	SW846 8260B
Toluene	10.0	10.1	ug/L	101	SW846 8260B
Trichloroethene	10.0	10.4	ug/L	104	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C270261 Work Order #...: EW39X1AC Matrix.....: WATER
LCS Lot-Sample#: E2C280000-254
Prep Date.....: 03/27/02 Analysis Date..: 03/27/02
Prep Batch #...: 2087254 Analysis Time..: 18:44
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**96**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**98**	**(75 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**101**	**(70 - 140)**	**SW846 8260B**
Toluene	**101**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**104**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	102	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2C270261 Work Order #...: EW5K41AC Matrix.....: WATER
LCS Lot-Sample#: E2C280000-567
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087567 Analysis Time..: 09:17
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.84**	**ug/L**	**98**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
Toluene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
Trichloroethene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	99	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2C270261 Work Order #...: EW5K41AC Matrix.....: WATER
LCS Lot-Sample#: E2C280000-567
Prep Date.....: 03/28/02 Analysis Date..: 03/28/02
Prep Batch #...: 2087567 Analysis Time..: 09:17
Dilution Factor: 1 Instrument ID..: MSH
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**98**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**103**	**(75 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(70 - 140)**	**SW846 8260B**
Toluene	**103**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**107**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	99	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E2C270261	Work Order #...:	EW23D1AC-MS	Matrix.....:	WATER
MS Lot-Sample #:	E2C270258-003		EW23D1AD-MSD		
Date Sampled...:	03/27/02 12:15	Date Received..:	03/27/02 13:40	MS Run #.....:	2087119
Prep Date.....:	03/28/02	Analysis Date..:	03/28/02		
Prep Batch #...:	2087254	Analysis Time..:	05:10		
Dilution Factor:	250	Analyst ID.....:	004648	Instrument ID..:	MSH

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**2500**	**2470**	**ug/L**	**99**		**SW846 8260B**
	ND	**2500**	**2430**	**ug/L**	**97**	**1.7**	**SW846 8260B**
Chlorobenzene	**ND**	**2500**	**2580**	**ug/L**	**103**		**SW846 8260B**
	ND	**2500**	**2500**	**ug/L**	**100**	**3.4**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**2500**	**2690**	**ug/L**	**107**		**SW846 8260B**
	ND	**2500**	**2640**	**ug/L**	**106**	**1.8**	**SW846 8260B**
Toluene	**ND**	**2500**	**2510**	**ug/L**	**101**		**SW846 8260B**
	ND	**2500**	**2460**	**ug/L**	**98**	**2.3**	**SW846 8260B**
Trichloroethene	**17000**	**2500**	**20600**	**ug/L**	**136**		**SW846 8260B**
	Qualifiers:		a,MSC				
	17000	**2500**	**20200**	**ug/L**	**122**	**1.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
	99	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
	102	(65 - 135)
Toluene-d8	98	(80 - 130)
	94	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E2C270261	Work Order #...:	EW23D1AC-MS	Matrix.....:	WATER
MS Lot-Sample #:	E2C270258-003		EW23D1AD-MSD		
Date Sampled...:	03/27/02 12:15	Date Received..:	03/27/02 13:40	MS Run #.....:	2087119
Prep Date.....:	03/28/02	Analysis Date..:	03/28/02		
Prep Batch #...:	2087254	Analysis Time..:	05:10		
Dilution Factor:	250	Analyst ID.....:	004648	Instrument ID..:	MSH

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	99	(75 - 120)			SW846 8260B
	97	(75 - 120)	1.7	(0-25)	SW846 8260B
Chlorobenzene	103	(75 - 120)			SW846 8260B
	100	(75 - 120)	3.4	(0-25)	SW846 8260B
1,1-Dichloroethene	107	(70 - 140)			SW846 8260B
	106	(70 - 140)	1.8	(0-25)	SW846 8260B
Toluene	101	(75 - 125)			SW846 8260B
	98	(75 - 125)	2.3	(0-25)	SW846 8260B
Trichloroethene	136 a,MSC	(70 - 130)			SW846 8260B
	122	(70 - 130)	1.7	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
	99	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
	102	(65 - 135)
Toluene-d8	98	(80 - 130)
	94	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

APPENDIX C

Data Validation

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: BRC Former C-6 Torrance Harbor Gateway

Collection Date: March 26, 2002

LDC Report Date: May 30, 2002

Matrix: Water

Parameters: Volatiles

Validation Level: Tier 2 & Tier 3

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): E2C270261

Sample Identification

EB_TAIT032602_0001
TMW_6_032602_1105
BL_3_032602_1145
TMW_9_032602_1220
WCC_4S_032602_1315**
TMW4_TAIT032602_0001
TMW4_TAIT032602_0002
TMW_7_032602_1441**
WCC_6S_032602_1550
TMW_8_032602_1630
TMW_5_032602_1712
TMW_3_032602_1745
TMW_2_032602_1835
TB_TAIT032602_0001

**Indicates sample underwent Tier 3 review

Introduction

This data review covers 14 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a Tier 3 review. A Tier 2 review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Tier 2 criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

BOE-C6-0003219

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance check data were reviewed for Tier 2/Tier 3 .

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
12/12/01	Acetone 2-Butanone	40.946 30.075	All samples in SDG E2C270261	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
12/12/01	Acetone Acrolein Acrylonitrile 2-Butanone Tetrahydrofuran 2-Chloroethylvinyl ether	0.02200 (≥0.05) 0.00188 (≥0.05) 0.01266 (≥0.05) 0.02964 (≥0.05) 0.02032 (≥0.05) 0.01518 (≥0.05)	All samples in SDG E2C270261	J (all detects) UJ (all non-detects)	A

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs) .

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
3/27/02	Chloromethane Bromomethane Acrolein Acrylonitrile 2-Butanone Tetrahydrofuran 2-Hexanone	44.2 48.6 51.9 27.0 28.6 25.8 30.7	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712 EW39X1AA	J (all detects) UJ (all non-detects)	A
3/28/02	Chloromethane Acrolein Iodomethane Acrylonitrile 2-Hexanone	31.7 56.5 45.9 31.9 26.4	TMW_3_032602_1745 TMW_2_032602_1835 TB_TAIT032602_0001 EW5K41AA	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
3/27/02	Acrolein	0.00090 (≥0.05)	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712 EW39X1AA	J (all detects) R (all non-detects)	A

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
3/27/02	Acetone Acrylonitrile 2-Butanone Tetrahydrofuran 2-Chloroethylvinyl ether	0.01742 (≥0.05) 0.00924 (≥0.05) 0.02111 (≥0.05) 0.01507 (≥0.05) 0.01533 (≥0.05)	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712 EW39X1AA	J (all detects) UJ (all non-detects)	A
3/28/02	Acetone Acrolein Acrylonitrile 2-Butanone Tetrahydrofuran 2-Chloroethylvinyl ether	0.01781 (≥0.05) 0.00082 (≥0.05) 0.00861 (≥0.05) 0.02271 (≥0.05) 0.01657 (≥0.05) 0.01688 (≥0.05)	TMW_3_032602_1745 TMW_2_032602_1835 TB_TAIT032602_0001 EW5K41AA	J (all detects) R (all non-detects)	A

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SDG E2C270261	All TCL compounds	No MS/MSD associated with these samples.	MS/MSD required.	None	P

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a Tier 3 review was performed. Raw data were not evaluated for the samples reviewed by Tier 2 criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a Tier 3 review was performed. Raw data were not evaluated for the samples reviewed by Tier 2 criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a Tier 3 review was performed. Raw data were not evaluated for the samples reviewed by Tier 2 criteria.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples TMW4_TAIT032602_0001 and TMW4_TAIT032602_0002 were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	TMW4_TAIT032602_0001	TMW4_TAIT032602_0002	
1,2-Dichloroethane	10	12U	200
1,1-Dichloroethene	720	760	5
Chloroform	11	11	0
1,1-Dichloroethane	18	16	12

Compound	Concentration (ug/L)		RPD
	TMW4_TAIT032602_0001	TMW4_TAIT032602_0002	
cis-1,2-Dichloroethene	36	32	12
trans-1,2-Dichloroethene	21	21	0
Trichloroethene	1900	1900	0

XVII. Field Blanks

Sample EB_TAIT032602_0001 was identified as an equipment blank. No volatile contaminants were found in this blank.

Sample TB_TAIT032602_0001 was identified as a trip blank. No volatile contaminants were found in this blank.

BRC Former C-6 Torrance Harbor Gateway
Volatiles - Data Qualification Summary - SDG E2C270261

SDG	Sample	Compound	Flag	A or P	Reason
E2C270261	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712 TMW_3_032602_1745 TMW_2_032602_1835 TB_TAIT032602_0001	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Initial calibration (%RSD)
E2C270261	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712 TMW_3_032602_1745 TMW_2_032602_1835 TB_TAIT032602_0001	Acetone Acrolein Acrylonitrile 2-Butanone Tetrahydrofuran 2-Chloroethylvinyl ether	J (all detects) UJ (all non-detects)	A	Initial calibration (RRF)
E2C270261	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712	Chloromethane Bromomethane Acrolein Acrylonitrile 2-Butanone Tetrahydrofuran 2-Hexanone	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
E2C270261	TMW_3_032602_1745 TMW_2_032602_1835 TB_TAIT032602_0001	Chloromethane Acrolein Iodomethane Acrylonitrile 2-Hexanone	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

SDG	Sample	Compound	Flag	A or P	Reason
E2C270261	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712	Acrolein	J (all detects) R (all non-detects)	A	Continuing calibration (RRF)
E2C270261	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712	Acetone Acrylonitrile 2-Butanone Tetrahydrofuran 2-Chloroethylvinyl ether	J (all detects) UJ (all non-detects)	A	Continuing calibration (RRF)
E2C270261	TMW_3_032602_1745 TMW_2_032602_1835 TB_TAIT032602_0001	Acetone Acrolein Acrylonitrile 2-Butanone Tetrahydrofuran 2-Chloroethylvinyl ether	J (all detects) R (all non-detects)	A	Continuing calibration (RRF)
E2C270261	EB_TAIT032602_0001 TMW_6_032602_1105 BL_3_032602_1145 TMW_9_032602_1220 WCC_4S_032602_1315** TMW4_TAIT032602_0001 TMW4_TAIT032602_0002 TMW_7_032602_1441** WCC_6S_032602_1550 TMW_8_032602_1630 TMW_5_032602_1712 TMW_3_032602_1745 TMW_2_032602_1835 TB_TAIT032602_0001	All TCL compounds	None	P	Matrix spike/Matrix spike duplicates

BRC Former C-6 Torrance Harbor Gateway
Volatiles - Laboratory Blank Data Qualification Summary - SDG E2C270261

No Sample Data Qualified in this SDG

APPENDIX D

Limitations

LIMITATIONS

This report was prepared by Haley & Aldrich, Inc., under the professional direction and review of the registered professionals listed on the cover page. The work described herein was conducted in accordance with generally accepted professional engineering and geologic practice. No other warranty exists, either expressed or implied.

In addition to data collected by and observations made by Haley & Aldrich personnel, this report incorporates site conditions observed and described by others as reported in records available to Haley & Aldrich as of the date of report preparation. Haley & Aldrich relied—in part—on such data collected by others in the development of interpretations about environmental conditions at the Facility.

Assembly and maintenance of the electronic database of historic information used for this project is subject to the limitations cited in Appendix E. In addition, the passage of time may result in changes in site conditions, technology, or economic conditions which could alter the findings and/or recommendations of the report.

APPENDIX E

Database Transmittal Letter

ENGLAND
GEOSYSTEM
ENVIRONMENTAL ENGINEERING

March 12, 2002 Project No. 887.001/500

Mr. Scott P. Zachary
HALEY & ALDRICH, INC.
9040 Friars Road, Suite 202
San Diego, California 92108

Data Management
Boeing Realty Corporation
Former C-6 Facility
Los Angeles, California

Dear Mr. Zachary:

England Geosystem, Inc. has performed data management services for the former Boeing C-6 facility (Site) since April 2001. The general framework for the project was established in a proposal submitted to Boeing Realty Corporation by Haley & Aldrich on February 26, 2001. This letter presents:

- Procedures, principal tasks, and assumptions associated with the data management effort.
- Evaluation of the quality of the dataset.

DATA TYPE AND TEMPORAL COVERAGE

The data management scope of services included organization and maintenance of environmental data consisting primarily of chemical analyses of soil samples, water samples, sediment samples, and soil vapor samples collected at various locations and at various depths on and near the Site. Secondary information in the dataset associated with site characterization activities includes groundwater elevations and selected field analytical parameters. The initial scope of services was limited to maintaining environmental information for only a specific portion of the Site: the parcel C area. During the course of the project, additional data that were relevant to Parcel C, but were not all-inclusive of the Site, were included to facilitate various analyses.

Characterization activities have been conducted at this Site by numerous investigators over a significant time period dating back to the early 1980s. However, this dataset includes information collected from March 1987 until the present. For the sake of terminology, data collected and included in the dataset prior to October 2000 are referred to as *legacy* or *historical* data, and post-October 2000 data are referred to as *current* data.

15375 Barranca Parkway• Suite F-106• Irvine, California 92618-2207
www.englandgeosystem.com• info@englandgeosystem.com
(949) 453-8085• FAX (949) 453-0733

DATA ORGANIZATION

The data currently reside in a Microsoft Access 2000™ format database. To the extent possible, the table naming and field definitions have been established to match the format of the Boeing C-1 facility database. These criteria were obtained from the *Data Management Plan Rev. 2: The Boeing Company C-1 Facility Redevelopment Project, Long Beach, California August 2000 (CH_2Mhill).*

DATA SOURCES

Data from numerous sources were obtained and combined to create the electronic environmental database. The following list describes the primary sources (the designation included in parentheses is reference to the individual datasets obtained and combined):

- Integrated Environmental Services, Inc. provided an electronic version of historical data (IES-1).
- Orange Coast Analytical was authorized by Kennedy-Jenks Inc. to provide (and they did) electronic versions of historical data (OCA-1).
- STL laboratories provided electronic data in the form of chains-of-custody, PDF formatted reports, and electronic data deliverable (EDD) files (STL-1).
- STL laboratories provided electronic versions of data provided to them by Del Mar laboratories as a laboratory subcontractor (STL-2).
- Haley & Aldrich provided an electronic version of vapor analyses (HA-1).
- Haley & Aldrich provided paper copies of data for various locations on the Site from file versions of historical reports. Data was then hand entered (HA-2).
- Haley & Aldrich provided survey coordinates and site object naming information as paper and electronic documents (HA-3).
- Haley & Aldrich provided information regarding locations of site objects (borings) removed by remedial excavation (HA-4).
- TRC Consultants Inc. provided paper copies of soil and chemical analysis for certain site investigation activities related to the ILM facility (ILM-1).
- Tait Environmental Services provided paper copies of groundwater sampling information, including field data sheets and field chains-of-custody (TES-1).

Location information for each site object (sampling location at the ground surface) has been provided and verified by Haley & Alrich.

DATA VERIFICATION

Data verification consisted of comparing the electronic information included in the dataset with an original data source. The original data sources consisted of a combination of previous reports prepared by others and chemical laboratory data reports. The purpose of the data verification was to provide a measure of the agreement between the electronic version of the data and the original data sources. The data verification task was not designed to ascertain if all the available or previously collected data were included in the database. It was designed to evaluate the degree of agreement between data included in the database and the original source information.

Five percent of the individual legacy records were randomly selected, using a quasi-random number generator. For the purpose of this project, each individual record is defined as a single analytical result (i.e., one chemical analyte at one sampling location and the associated data included with it). The random numbers generated corresponded to individual record numbers. Using a standard selection query, the records corresponding to the generated numbers were selected and then transferred to a database validation system.

The database validation system is a computer application that assisted the database technicians in the verification task. Each record was subjected to field by field verification (with paper copies of the dataset) by database technicians. The scope of services stipulated that an additional five percent of the remaining records would be selected for verification when data inconsistencies were encountered. Because of a significant number of non-substantive discrepancies found in sample dates and times of the legacy data, the verification process was modified under the agreement between England Geosystem and Haley & Aldrich early in the program so that only a subset of fields (sample name, the analytical results, analyte units, analyte name, detection limits, and detection limit units) in each record was verified. These fields were considered the most important and substantive fields to verify for use of and reliance upon the data.

The original scope of services required verification of only the legacy data. However, as current data were examined, it was discovered that there were differences between the original data source and the current data. In addition, differences were discovered between electronic versions of the current data and the corresponding paper copies of information. Only an insignificant number (<0.01%) of the inconsistencies were related to actual laboratory results. The primary inconsistencies involved differences in sample naming between field data records and the laboratory, and incomplete or incorrect coordinates of the object locations. The inconsistencies, while not widespread, impaired the validity and utility of the dataset to the point that it could not be used to provide reliable information and statistical evaluations. Haley & Aldrich and England Geosystem began a wide-ranging program to correct the sample naming inconsistencies

and to verify and include correct coordinates for objects and samples. In addition, the current data, including the hand-entered data, were subjected to the data verification process as described above.

During the course of this project, two sets of legacy data verification were performed which amounted to approximately 10% of the legacy data. Approximately 10% of the current electronic data and 5% of the hand-entered data were verified. Only the substantive subset of fields, as described above, was verified for the current data and hand-entered data. All of the sample names and locations for the current data, as well as the hand-entered data, were verified. When a discrepancy was noted, individuals performing the verification corrected the data based on the paper copies of the information.

In dealing with large volumes of data from numerous sources over a long period of time, it is generally not cost effective to create a totally error free dataset. Instead, data verification is used to quantify the degree of confidence that the dataset possesses.

The following percentages are based on an extrapolation of the observed discrepancies prior to any corrections. Based on data verification, approximately 92% of the legacy data is error-free; 99.8% of the current data is error-free; and 99.99% of the hand-entered data is error-free. When non-substantive inconsistencies such as inaccurate dates and detection limit errors are removed, verification indicates that the legacy data are 97.8% accurate.

CONCLUSION

Review of the dataset by England Geosystem indicates that the data contained within the database have been verified according to and beyond the requirements of the agreed scope of services. In our opinion, the dataset contains sufficient quality data, distribution, and number of data locations to allow qualified individuals to conduct environmental characterization assessments and prepare risk assessments for the upper portions of the subsurface zones beneath Parcel C of the Site.

Sincerely,

ENGLAND GEOSYSTEM, INC.

Frank J. Hagan
Project Manager

FJH:sp

n:\sharron\archived projects\6800 projects\887\887-001-500-L-Zachary-DataMgmt

ENGLAND GEOSYSTEM
ENVIRONMENTAL ENGINEERING