GROUNDWATER MONITORING REPORT
SEMIANNUAL EVENT – SEPTEMBER 2003
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

by

Haley & Aldrich, Inc.
San Diego, California

for

Boeing Realty Corporation
Long Beach, California

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HALEY & ALDRICH

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Prepared for

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1. INTRODUCTION

Haley & Aldrich, Inc. (Haley & Aldrich) has prepared this report on behalf of the Boeing Realty Corporation (BRC) in order to document the Groundwater Monitoring Semiannual Event (2003 Semiannual Event) conducted at the Former C-6 Facility in Los Angeles, California (Site).

The 2003 Semiannual Event was conducted at the Site from September 22nd to the 24th, 2003 in accordance with the "Groundwater Monitoring Workplan 2003" dated 9 December 2002 (Haley & Aldrich, Inc., 2002a). The program included the following activities:

- Groundwater elevation measurements in 22 wells;
- Groundwater samples from 11 wells and subsequent analysis for volatile organic compounds (VOCs) by US Environmental Protection Agency (EPA) Method 8260B; and
- Monitored natural attenuation (MNA) parameter measurements in 11 wells for dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, conductivity, and temperature.

This report provides documentation and discussion of the 2003 Semiannual Event.

2. SITE BACKGROUND

2.1 Site Location

The Site is located at 19503 South Normandie Avenue, in Los Angeles, California. The Site occupies approximately 170 acres, and is bound on the north by 190th Street; on the east by Normandie Avenue; on the west by the former Industrial Light Metals (ILM) facility; and on the south by the former Montrose Chemicals facility and a residential area. A Site location plan is included as Figure 1; a Site plan as Figure 2.

2.2 Site History

The Site was reportedly used for manufacturing aircraft and aircraft parts for 40 years, between 1952 and 1992. Prior to that, industrial use included aluminum and steel production; before 1940, it was farmland. A limited amount of assembly and warehouse related activities continued through the year 2000. Since then, the remaining buildings and infrastructure have been demolished and removed, and the Site is in various stages of redevelopment.

Groundwater investigation activities began in 1987. Forty-three groundwater monitoring wells have been installed. Twenty-one of these 43 wells have since been removed as a result of redevelopment. Prefixes for Site groundwater monitoring wells include BL, DAC, WCC, TMW, and XMW. Groundwater monitoring well details are compiled in Table I.

2.3 Regional Geology and Hydrogeology

A 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 Site reports prepared by Kennedy/Jenks Consultants (Kennedy/Jenks Consultants, 2000).

The Site is located on a broad plain, approximately 52 feet above mean sea level (MSL). The USGS and DWR 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 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 one mile to the east. The Dominguez Channel 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 the upper Pleistocene deposits located in the sediments of the Los Angeles Coastal Plain area. These deposits are marine and continental in origin, and represent stream transport and sedimentation along the Pleistocene marine plain. In the Site area, the Lakewood Formation may also include the Semi-perched Aquifer, the Bellflower Aquitard, and the Gage Aquifer, though based on correlations between Site stratagraphic and adjacent site data, it appears that the Semi-perched Aquifer is absent from the Site itself. The Bellflower Aquitard is a heterogeneous mixture of continental, marine, and wind-blown sediments, consisting mainly of clays with sandy and gravelly lenses (DWR, 1961). The elevation of the base of the Bellflower Aquitard is at about -100 feet 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 Aquitard. 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, approximately 1,000 feet bgs in the Site area. The major water-bearing zones within the San Pedro Formation are the Lynwood Aquifer and the Silverado Aquifer. These are reported in the Site area at approximately 300 and 500 feet bgs, respectively (DWR, 1961). The Silverado Aquifer is an important groundwater source in the Coastal Plain, and considered a source of drinking water (DWR, 1961).

2.4 Site Geology and Hydrogeology

2.4.1 Geology

Groundwater monitoring wells and soil borings drilled encountered the Lakewood Formation. Monitoring well borings were drilled from the ground surface to depths ranging from 79 to 140 feet bgs. The top 20 to 50 feet below the Site consisted of 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 interbedded layers of fine-grained sediment that also dip down to the east.

2.4.2 Hydrogeology

Groundwater samples from monitoring wells have been collected and analyzed on a regular basis since 1987. The uppermost groundwater appears to be under water table conditions at elevations of approximately –12 to –16 feet MSL (64 to 68 feet bgs). Regionally, this uppermost groundwater appears to be within relatively permeable sediments of the predominantly fine-grained Bellflower Aquitard. Most of the monitoring wells completed in the Bellflower Aquitard are at or near the water table, with screened depths ranging from approximately 58 to 91 feet bgs. Two deeper wells, WCC-1D and WCC-3D, were completed in a deeper zone with screened depths from approximately 120 to 140 feet bgs. Both of these wells have since been abandoned (Table I).

The following primary hydrogeologic units were 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)
		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 beneath the Site, approximately 70 feet thick. A generalized geologic cross-section is included as Figure 3.

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 top of the MBFB is found at an approximate elevation of -12 to -20 feet MSL (64 to 72 feet bgs), and is generally from 25 feet to 40 feet thick. The MBFM is discontinuous

across the area, and comprised of laminated silts, layered silts, and very fine sands. Deeper borings at the former ILM facility and the Site do not always encounter the MBFM. The top of the MBFC is found at an approximate elevation of –45 to –55 feet MSL (97 to 107 feet bgs) at the Site (Figure 3).

The fine-grained Lower Bellflower Aquitard (LBF) is reported continuous across the area. The top of the LBF occurs at an approximate elevation of –62 to –98 feet MSL (114 to 150 feet bgs), and ranges in thickness from 10 to 25 feet thick (Figure 3). 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 (Kennedy/Jenks Consultants, 2000).

3. GROUNDWATER SAMPLING PROCEDURES

3.1 Monitoring Plans

The 2003 Semiannual Event was conducted from September 22nd to the 24th, 2003, by Tait Environmental Management, Inc. (TEM) field personnel. Work was conducted in accordance with the following documents:

- *Groundwater Monitoring Workplan 2003*, by Haley & Aldrich, Inc., dated 9 December 2002, approved by the Los Angeles Regional Water Quality Control Board (LARWQCB) on 23 January 2003.
- *Standard Operating Procedure, Groundwater Gauging and Sampling*, prepared by Tait Environmental Management, dated 9 September 2002.

Monitored 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 9 January 2001.

Activities performed during the 2003 Semiannual Event were as follows.

3.2 Groundwater Elevation Measurement

- Water levels were measured in 21 Site groundwater wells on the 22nd and 24th of September 2003 (Table II).
- A groundwater elevation contour map was generated based on these measurements (Figure 4).

3.3 Well Purging, Sampling and Analysis

- At least 3 wetted casing volumes of water were purged with a submersible pump from each well.
- Purge water was monitored for pH, temperature, and specific conductivity stability.
- Purging was completed when a minimum of three wetted casing volumes were removed and three consecutive measurements of pH, temperature, and specific conductance were within 10% of each other, or after five casing volumes were purged.

- Groundwater samples were collected from 11 wells with a submersible pump and analyzed for VOCs by EPA Method 8260B.
- QA/QC samples were also collected and analyzed for VOCs by EPA Method 8260B.

3.4 Monitored Natural Attenuation (MNA) Parameters

- MNA parameters (DO, ORP, and pH) were measured in the field.

3.5 Field Procedures

Field procedures for this Semiannual Event are outlined in the documents listed previously in Section 3.1.

3.6 Sample Naming

Groundwater samples were labeled in the following format, in accordance with the Boeing Data Management Plan (DMP) prepared by CH2Mhill, and dated January 2002 (CH2MHill, 2002):

For example: TMW_01_WG092403_0001

Where:

TMW_01 = the groundwater monitoring well name
WG = Groundwater sample
092403 = date the sample was collected (mmddyy)
0001 = the number of samples taken from the well

3.7 Groundwater Monitoring Program Variances

Groundwater monitoring wells TMW-5 and TMW-16 were scheduled for gauging and sampling during the Semiannual Event; well XMW-09 was scheduled for gauging only. However, due to Site redevelopment construction activities, groundwater monitoring wells TMW-5 and TMW-16 were abandoned. XMW-09 is a Montrose Chemical Company monitoring well and will be sampled once construction activities are complete and access to the well is feasible, expected in the spring of 2004 for the 2004 Annual Event.

4. MONITORING AND SAMPLING RESULTS

4.1 Groundwater Elevations

Field sheets for the data collected by TEM are included in Appendix A. A summary of the groundwater elevations for the 2003 Semiannual Event is presented in Table II.

During the 2003 Semiannual Event, groundwater elevations ranged from –12.61 to –14.47 feet MSL, or approximately 60 to 72 feet bgs. Overall, groundwater elevations have decreased up to approximately 0.54 feet, compared to the values measured in March 2003. The one exception was well TMW-14, which increased approximately 0.02 feet. Historic groundwater levels are presented in Table III.

Figure 4 is a groundwater elevation contour map of the MBFB (B-Sand) water-bearing zone, generated from the data collected from the 2003 Semiannual Event. The average horizontal hydraulic gradient in the MBFB was calculated to be approximately 0.0011 to 0.0016 ft/ft to the south in September 2003, as compared to approximately 0.0008 to 0.0009 ft/ft to the south calculated for March 2003. Based on the groundwater elevation contours shown on Figure 4, the hydraulic gradient varies across the Site along the various flow vectors. The groundwater in the MBFB appears to generally flow in a southerly direction.

4.2 Groundwater Quality - VOCs

Results of VOC analysis by EPA Method 8260B for the 2003 Semiannual Event, conducted in September 2003, are summarized in Table IV, and in Figures 5 and 6. Based on visual observations during well sampling, TEM recorded no indications of dense non-aqueous phase liquid (DNAPL) in any of the sampled wells. Based on a review of previous monitoring reports, general plume geometries for trichloroethene (TCE) and 1,1-dichloroethene (1,1-DCE) appear to be generally unchanged since 1999 (Haley & Aldrich, Inc. and England Geosystem Inc., 2001b and 2001c and Haley & Aldrich, Inc., 2002b, 2002c and 2003). Concentration changes observed appear to have been within range of fluctuations observed in the Site wells over past monitoring events.

TCE

Figure 5 shows the dissolved-phase TCE concentrations in the MBFB. TCE concentrations in groundwater samples have either generally decreased or minimally increased (less than 20%) in nine of the 11 wells sampled, compared to the March 2003 sampling event, with the exception of two wells:

- TMW-1 - TCE increased from 860 to 1,100 micrograms per liter (µg/l); and

- TMW-2 - TCE decreased from 14,000 to 7,900 µg/l.

1,1-DCE

Figure 6 shows the dissolved-phase 1,1-DCE concentrations in the MBFB. 1,1-DCE concentrations in groundwater samples have generally stayed the same or decreased in the monitored wells. 1,1-DCE was not detected at DAC-P1, TMW-10, TMW-11 and TMW-14.

Tetrachloroethene (PCE)

Three wells were reported with detectable concentrations of PCE up to 1.6 µg/l (TMW-14). Two of these concentrations were at low levels that could not be quantified by the laboratory, and are noted in Table IV with a "J" flag.

1,1,1-trichloroethane (1,1,1-TCA)

Concentrations of 1,1,1-TCA were detected in one of the 11 wells sampled (TMW-2). From the March 2003 to the September 2003 sampling events, concentrations of 1,1,1-TCA decreased in well TMW-2, from 1,300 µg/l to 600 µg/l.

Other VOCs

As in previous sampling events, some minor occurrences of VOCs other then those described above were detected, and are tabulated on Table IV. These VOCs occurrences included cis-1,2-DCE, chloroform, methyl ethyl ketone (MEK) and toluene, and are discussed below.

- Cis-1,2-DCE concentrations in groundwater generally remained the same (20% variances or less) in the 11 wells sampled, except in the following two wells: DAC-P1 (from 89J to 120J µg/l) and TMW-2 (from 4,700 to 10,000 µg/l). These values are within the historical range of fluctuation for each well, as shown on Table V.
- Chloroform concentrations in groundwater samples have generally remained the same (less than 20% variances) in the 11 wells sampled. Chloroform was detected in five wells at concentrations up to 440 µg/l, and the values reported are within historical range of fluctuation for each well, as shown on Table V.

- MEK (2-butanone) was detected in only one well (TMW-2). Well TMW-2 was reported to have an MEK concentration of 70,000 μg/l, which increased from below laboratory detection limits (<1,200 μg/l) in March 2003. Well TMW-2 demonstrated a similar concentration change during the March and September 2002 sampling events.
- Toluene was detected in two wells: TMW-2 (2,500 μg/l) and WCC-5S (0.92J μg/l). The values reported are within historical range of fluctuation for each well, as shown on Table V.

Field MNA Parameters

Field monitoring of DO, ORP, and pH was conducted during the 2003 Semiannual Event. A summary of the September 2003 MNA parameters is included in Table VI, and on the Field Data Sheets in Appendix A. These parameters are generally similar to the September 2002 semiannual event data, and suggest that in-situ conditions have not changed. The distribution of DO and ORP suggests evidence of intrinsic biotransformation of VOCs in the potential source area near former Buildings 1/36 and 2, as well as along the southern property boundary. It appears that DO has been depleted within the areas of TCE and 1,1-DCE-impacted groundwater. ORP is negative within the Building 1/36 area (TMW-2), suggesting anaerobic reducing conditions.

5. QUALITY ASSURANCE/QUALITY CONTROL

Several field quality control samples were collected during the Semiannual Event. These included:

- Field duplicates;
- Equipment rinsate blanks;
- Field blanks; and
- Trip blanks

These quality control samples are described below.

5.1 Field Quality Control Samples

5.1.1 Field Duplicates

One duplicate groundwater sample was analyzed for VOC concentrations from well TMW-7. These results are included in Table IV. Duplicate laboratory data can be used to measure how well replicate measurements reproduce, and also to estimate overall method precision. Relative percent difference (RPD) is a measure of precision, and is calculated as follows:

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

The RPD will often 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). The data from TMW-7 and the TMW-7 duplicate were reported to have RPDs less than or equal to 30%, with the exception of cis-1,2-DCE which had an RPD of 200%. The detected concentration of cis-1,2-DCE is 15J μg/l, which has a "J" flag and could not be quantified by the laboratory (detection limit is 50 μg/l). Therefore, the RPD of 200% for cis-1,2-DCE is relatively insignificant and the reported concentrations are up to standard.

5.1.2 Equipment Rinsate Blanks

Two equipment rinsate blanks were collected during the Semiannual Event after cleaning the sampling equipment with deionized water. These rinsate samples were

analyzed for VOCs by EPA Method 8260B. Estimated concentrations of acetone (up to 7J µg/l) were detected below the contracting laboratory reporting limit (10 µg/l) in both equipment blanks. MEK was also detected in the equipment blank collected on 24 September 2003 at a concentration of 8.8 µg/l, as shown on Table IV.

5.1.3 Field Blanks

Two field blanks were collected during the Semiannual Event with laboratory-supplied water to check for contamination by sampling methodology. These field blank samples were analyzed for VOCs by EPA Method 8260B. In the field blank from 24 September 2003, acetone and MEK were detected at concentrations of 13 and 9.3 µg/l, respectively, as shown on Table IV.

5.1.4 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. Estimated concentrations of acetone (3.6J and 6.2J µg/l) were detected below the contracting laboratory reporting limit (10 µg/l) in the two trip blanks, as shown on Table IV.

5.1.5 Data Validation and Laboratory QA/QC Samples

Final laboratory-certified reports and laboratory quality control procedures are included on the compact disc (CD) as Appendix B.

Sixty-three percent of the samples (7) were validated. Tier I data validation was performed on 63% of the samples (7); Tier II data validation on 45% of the samples (5); Tier III data validation on 5% of the samples (1). Based on these data validation results, the data collected during this event is adequate for continued characterization and monitoring of VOCs in groundwater beneath the Site. 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.

6. LIMITATIONS

This report was prepared by Haley & Aldrich 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 Site. The accuracy, precision, or representative nature of data originally generated by others could not be independently verified by Haley & Aldrich and would be beyond the scope of this project.

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.

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TABLES

TABLE I
WELL INFORMATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Name	Easting[1]	Northing[1]	Top of Casing Elevation (AMSL)[2, 3]	Boring Total Depth (feet)	Screen Depth Interval (feet)	Depth to Top of Filter Pack (feet)	Casing Diameter (inches)	Casing Type	Slot Size	Drilled Date
WCC-1S*	12738.89	13194.04	50.74	91	77-87	75	2	Sched 40 PVC	0.020-Inch	3/25/1987
WCC-1D*	12739.11	13181.09	50.69	140	120-140	114	4	Sched 40 PVC	0.010-Inch	6/30/1989
WCC-2S*	12234.27	13451.60	50.83	91	70-90	63	4	Sched 40 PVC	0.010-Inch	10/28/1987
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	92	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	64	4	Sched 40 PVC	0.010-Inch	11/24/1987
WCC-6S	12580.24	12953.10	51.30	91	60-90	54	4	Sched 40 PVC	0.010-Inch	9/22/1989
WCC-7S	12730.37	12868.65	50.20	91	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
WCC-9S	12928.87	12627.94	46.85	92	60-90	55	4	Sched 40 PVC	0.010-Inch	9/21/1989
WCC-10S*	11338.90	14038.98	58.17	91	60-90	54	4	Sched 40 PVC	0.010-Inch	6/7/1989
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	92	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	56.46	91	66-86	64	2	Sched 40 PVC	0.010-Inch	6/28/1998
TMW-2	12478.09	13161.38	56.38	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	48.79	84	58-78	56	2	Sched 40 PVC	0.010-Inch	6/30/1998
TMW-5*	12038.44	11931.45	53.32	89	64-84	63	2	Sched 40 PVC	0.010-Inch	7/2/1998
TMW-6	12552.93	11936.32	49.50	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	53.99	90	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	58	2	Sched 40 PVC	0.010-Inch	1/28/1999
TMW-11	12968.08	11423.04	47.41	83	58-78	55	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	88	61.5-81.5	60	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

TABLE I
WELL INFORMATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Name	Easting[1]	Northing[1]	Top of Casing Elevation (AMSL)[2, 3]	Boring Total Depth (feet)	Screen Depth Interval (feet)	Depth to Top of Filter Pack (feet)	Casing Diameter (inches)	Casing Type	Slot Size	Drilled Date
BL-1*	11218.52	13450.56	58.34	82	61.5-81.5	57	2	Sched 40 PVC	0.010-Inch	2/2/1999
BL-2*	11202.12	12546.32	58.15	82	61.5-81.5	57	2	Sched 40 PVC	0.010-Inch	2/3/1999
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
BL-5*	11397.77	13550.72	-	79	58-78	55	2	Sched 40 PVC	0.010-Inch	2/4/1999
BL-6*	11547.74	13063.70	-	79	58-78	55	2	Sched 40 PVC	0.010-Inch	2/4/1999
BL-7*	11569.25	12295.45	-	79	58-78	54	2	Sched 40 PVC	0.010-Inch	2/8/1999
BL-8*	11546.23	11321.84	-	81	60-80	57	2	Sched 40 PVC	0.010-Inch	2/16/1999
Montrose Wells										
XMW-09	12,654	11148.11	53.67	-	66-81	-	4	-	-	5/9/1989
XMW-18*	12,287	11426.42	50.34	-	68-83	-	4	-	-	3/29/1990
XMW-19	12,968	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 & September 13, 2002 by Tait & Associates.
3 Wells TMW-4 and TMW-6 were cut down during redevelopment activities. These wells were re-surveyed by Thienes Engineering, Inc. in October 2003.
* Indicates abandoned well.

QA/QC: BB

Date: 11/26/03

Table II
GROUNDWATER ELEVATIONS - SEPTEMBER 2003
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Measured	Reference Elevation (feet AMSL) [1, 2]	Total Depth (feet) [3]	Depth to Water (feet) [4]	Ground Water Elevation (feet AMSL)
WCC-3S	9/24/2003	51.12	88.80	64.25	-13.13
WCC-4S	9/22/2003	49.62	89.70	62.70	-13.08
WCC-5S	9/22/2003	48.79	89.95	61.83	-13.04
WCC-6S	9/22/2003	51.30	87.80	64.47	-13.17
WCC-7S	9/22/2003	50.20	90.50	63.41	-13.21
WCC-9S	9/22/2003	46.85	88.10	60.18	-13.33
WCC-12S	9/24/2003	46.92	90.30	60.42	-13.78
DAC-P1	9/22/2003	52.75	90.20	65.36	-12.61
TMW-1	9/22/2003	56.46	84.45	69.56	-13.10
TMW-2	9/22/2003	56.38	85.05	69.44	-13.06
TMW-4	9/22/2003	48.79	77.00	62.75	-13.96
TMW-6	9/22/2003	49.50	78.70	63.33	-13.83
TMW-7	9/22/2003	52.52	83.50	65.97	-13.45
TMW-8	9/22/2003	53.99	82.50	67.39	-13.40
TMW-9	9/22/2003	52.75	79.90	66.20	-13.45
TMW-10	9/22/2003	47.48	77.80	61.25	-13.77
TMW-11	9/22/2003	47.41	77.20	61.68	-14.27
TMW-14	9/22/2003	58.16	87.70	72.63	-14.47
TMW-15	9/22/2003	55.23	87.15	68.65	-13.42
BL-3	9/22/2003	56.48	80.07	70.08	-13.60
XMW-09	9/22/2003	53.67	NM	NM	NM
XMW-19	9/22/2003	46.53	77.05	60.71	-14.18

Notes:
1 AMSL = Above Mean Sea Level - Wells were surveyed March 19, 2002 & September 13, 2002 by Tait & Associates.
2 Wells TMW-4 and TWM-6 were re-surveyed by Thienes Engineering, Inc. in October 2003.
3 Total depth as measured in the field during groundwater monitoring well gauging.
4 Depth to Water measurements taken from top of monitoring well casing
NM = Not measured

QA/QC: BB

Date: 11/26/03

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
BL-1	3/6/1999	58.34	70.75	-12.41
BL-1	7/12/1999	58.34	70.72	-12.38
BL-1	1/14/2000	58.34	71.04	-12.70
BL-1	6/20/2000	58.34	71.20	-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	58.15	71.47	-13.32
BL-2	7/12/1999	58.15	71.32	-13.17
BL-2	1/14/2000	58.15	71.55	-13.40
BL-2	6/20/2000	58.15	71.66	-13.51
BL-2	1/15/2001	58.15	71.91	-13.76
BL-3	3/6/1999	59.33	73.22	-13.89
BL-3	7/12/1999	59.33	73.16	-13.83
BL-3	1/14/2000	59.33	73.41	-14.08
BL-3	6/20/2000	59.33	73.58	-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-3	9/13/2002	56.48	70.42	-13.94
BL-3	3/24/2003	56.48	70.35	-13.87
BL-3	9/22/2003	56.48	70.08	-13.60
BL-4	3/6/1999	NA	NA	-14.51
BL-4	7/12/1999	NA	NA	-14.43
BL-4	1/14/2000	NA	NA	-15.11
BL-5	3/6/1999	NA	NA	-12.52
BL-5	7/12/1999	NA	NA	-12.53
BL-5	1/14/2000	NA	NA	-12.87
BL-6	3/6/1999	NA	NA	-12.92
BL-6	7/12/1999	NA	NA	-12.83
BL-6	1/14/2000	NA	NA	-13.15
BL-7	3/6/1999	NA	NA	-13.57
BL-7	7/12/1999	NA	NA	-13.44
BL-7	1/14/2000	NA	NA	-14.41
BL-8	3/6/1999	NA	NA	-14.27
BL-8	7/12/1999	NA	NA	-14.29
BL-8	1/14/2000	NA	NA	-14.55
DAC-P1	6/15/1992	52.75	70.51	-17.76
DAC-P1	9/21/1992	52.75	70.63	-17.88
DAC-P1	1/5/1993	52.75	70.77	-18.02
DAC-P1	4/9/1993	52.75	70.21	-17.46
DAC-P1	6/7/1993	52.75	70.13	-17.38
DAC-P1	8/24/1993	52.75	69.78	-17.03
DAC-P1	11/18/1993	52.75	69.51	-16.76
DAC-P1	2/23/1994	52.75	69.49	-16.74
DAC-P1	6/10/1994	52.75	69.35	-16.60
DAC-P1	9/8/1994	52.75	69.23	-16.48
DAC-P1	12/21/1994	52.75	69.00	-16.25
DAC-P1	3/13/1995	52.75	69.16	-16.41

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
DAC-P1	6/12/1995	52.75	68.69	-15.94
DAC-P1	9/20/1995	52.75	68.41	-15.66
DAC-P1	12/12/1995	52.75	68.41	-15.66
DAC-P1	2/29/1996	52.75	68.15	-15.40
DAC-P1	6/6/1996	52.75	67.77	-15.02
DAC-P1	9/18/1996	52.75	67.63	-14.88
DAC-P1	12/18/1996	52.75	67.42	-14.67
DAC-P1	5/6/1997	52.75	66.95	-14.20
DAC-P1	7/1/1997	52.75	66.78	-14.03
DAC-P1	7/22/1997	52.75	66.76	-14.01
DAC-P1	8/4/1997	52.75	66.73	-13.98
DAC-P1	8/19/1997	52.75	66.66	-13.91
DAC-P1	9/3/1997	52.75	66.68	-13.93
DAC-P1	9/16/1997	52.75	66.66	-13.91
DAC-P1	7/14/1998	52.75	66.03	-13.28
DAC-P1	3/6/1999	52.75	65.62	-12.87
DAC-P1	7/12/1999	52.75	65.47	-12.72
DAC-P1	6/20/2000	52.75	65.76	-13.01
DAC-P1	3/21/2002	52.75	65.52	-12.77
DAC-P1	9/13/2002	52.75	65.64	-12.89
DAC-P1	3/24/2003	52.75	65.58	-12.83
DAC-P1	9/22/2003	52.75	65.36	-12.61
TMW-1	7/14/1998	51.24	64.65	-13.41
TMW-1	9/22/1998	51.24	64.80	-13.56
TMW-1	10/16/1998	51.24	64.61	-13.37
TMW-1	3/6/1999	51.24	64.76	-13.52
TMW-1	7/12/1999	51.24	64.48	-13.24
TMW-1	6/20/2000	51.24	64.89	-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-1	9/13/2002	56.46	69.97	-13.51
TMW-1	3/24/2003	56.46	69.84	-13.38
TMW-1	9/22/2003	56.46	69.56	-13.10
TMW-2	7/14/1998	51.18	64.60	-13.42
TMW-2	9/22/1998	51.18	64.67	-13.49
TMW-2	10/16/1998	51.18	64.58	-13.40
TMW-2	3/6/1999	51.18	64.59	-13.41
TMW-2	7/12/1999	51.18	64.48	-13.30
TMW-2	6/20/2000	51.18	64.64	-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-2	9/13/2002	56.38	69.89	-13.51
TMW-2	3/25/2003	56.38	69.79	-13.41
TMW-2	9/22/2003	56.38	69.44	-13.06
TMW-3	7/14/1998	51.07	65.24	-14.17
TMW-3	9/22/1998	51.07	65.25	-14.18
TMW-3	10/16/1998	51.07	65.13	-14.06

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
TMW-3	3/6/1999	51.07	65.21	-14.14
TMW-3	7/12/1999	51.07	64.98	-13.91
TMW-3	6/20/2000	51.07	65.19	-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
TMW-3	9/13/2002	51.36	65.25	-13.89
TMW-4	7/14/1998	50.35	64.75	-14.40
TMW-4	9/22/1998	50.35	64.78	-14.43
TMW-4	10/16/1998	50.35	64.61	-14.26
TMW-4	3/6/1999	50.35	64.63	-14.28
TMW-4	7/12/1999	50.35	64.38	-14.03
TMW-4	6/20/2000	50.35	64.61	-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-4	9/13/2002	52.18	66.44	-14.26
TMW-4	3/24/2003	52.18	66.27	-14.09
TMW-4	9/22/2003	48.79	62.75	-13.96
TMW-5	7/14/1998	50.12	64.74	-14.62
TMW-5	9/22/1998	50.12	64.79	-14.67
TMW-5	10/16/1998	50.12	64.60	-14.48
TMW-5	3/6/1999	50.12	64.71	-14.59
TMW-5	7/12/1999	50.12	64.45	-14.33
TMW-5	6/20/2000	50.12	64.67	-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-5	9/13/2002	53.32	67.41	-14.09
TMW-5	3/24/2003	53.32	67.57	-14.25
TMW-6	7/14/1998	50.13	64.84	-14.71
TMW-6	9/22/1998	50.13	64.86	-14.73
TMW-6	10/16/1998	50.13	64.69	-14.56
TMW-6	3/6/1999	50.13	64.68	-14.55
TMW-6	7/12/1999	50.13	64.55	-14.42
TMW-6	6/20/2000	50.13	64.59	-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-6	9/13/2002	56.30	70.83	-14.53
TMW-6	3/24/2003	56.30	70.67	-14.37
TMW-6	9/22/2003	49.50	63.33	-13.83
TMW-7	7/14/1998	51.12	65.10	-13.98
TMW-7	9/22/1998	51.12	65.15	-14.03
TMW-7	10/16/1998	51.12	65.03	-13.91
TMW-7	3/6/1999	51.12	65.06	-13.94
TMW-7	7/12/1999	51.12	64.90	-13.78
TMW-7	6/20/2000	51.12	65.15	-14.03

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
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-7	9/13/2002	52.52	66.36	-13.84
TMW-7	3/24/2003	52.52	66.24	-13.72
TMW-7	9/22/2003	52.52	65.97	-13.45
TMW-8	7/14/1998	51.06	64.91	-13.85
TMW-8	9/22/1998	51.06	64.94	-13.88
TMW-8	10/16/1998	51.06	64.85	-13.79
TMW-8	3/6/1999	51.06	64.90	-13.84
TMW-8	7/12/1999	51.06	64.71	-13.65
TMW-8	6/20/2000	51.06	64.98	-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
TMW-8	9/13/2002	53.99	67.81	-13.82
TMW-8	3/24/2003	53.99	67.69	-13.70
TMW-8	9/22/2003	53.99	67.39	-13.40
TMW-9	7/14/1998	51.21	65.29	-14.08
TMW-9	9/22/1998	51.21	65.26	-14.05
TMW-9	10/16/1998	51.21	65.14	-13.93
TMW-9	3/6/1999	51.21	65.08	-13.87
TMW-9	7/12/1999	51.21	64.91	-13.70
TMW-9	6/20/2000	51.21	65.22	-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-9	9/13/2002	52.75	66.58	-13.83
TMW-9	3/24/2003	52.75	66.56	-13.81
TMW-9	9/22/2003	52.75	66.20	-13.45
TMW-10	3/6/1999	47.52	61.77	-14.25
TMW-10	7/12/1999	47.52	60.61	-13.09
TMW-10	6/20/2000	47.52	61.57	-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	9/13/2002	47.48	61.60	-14.12
TMW-10	3/24/2003	47.48	61.52	-14.04
TMW-10	9/22/2003	47.48	61.25	-13.77
TMW-11	3/6/1999	47.47	62.28	-14.81
TMW-11	7/12/1999	47.47	61.97	-14.50
TMW-11	6/20/2000	47.47	62.10	-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-11	9/13/2002	47.41	62.02	-14.61
TMW-11	3/24/2003	47.41	61.97	-14.56
TMW-11	9/22/2003	47.41	61.68	-14.27
TMW-12	3/6/1999	50.85	65.73	-14.88
TMW-12	7/12/1999	50.85	65.54	-14.69
TMW-12	6/20/2000	50.85	65.82	-14.97
TMW-12	1/15/2001	50.85	66.02	-15.17
TMW-12	7/16/2001	50.85	64.47	-13.62

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
TMW-12	3/21/2002	51.67	66.25	-14.58
TMW-12	9/13/2002	51.67	66.40	-14.73
TMW-13	3/6/1999	50.91	65.68	-14.77
TMW-13	7/12/1999	50.91	65.51	-14.60
TMW-13	6/20/2000	50.91	65.82	-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-13	9/13/2002	50.89	65.49	-14.60
TMW-14	3/6/1999	58.21	72.91	-14.70
TMW-14	7/12/1999	58.21	72.67	-14.46
TMW-14	6/20/2000	58.21	72.96	-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-14	9/13/2002	58.16	72.72	-14.56
TMW-14	3/24/2003	58.16	72.61	-14.45
TMW-14	9/22/2003	58.16	72.63	-14.47
TMW-15	3/6/1999	55.26	69.30	-14.04
TMW-15	7/12/1999	55.26	68.90	-13.64
TMW-15	6/20/2000	55.26	69.30	-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
TMW-15	9/13/2002	55.23	69.03	-13.80
TMW-15	3/24/2003	55.23	68.90	-13.67
TMW-15	9/22/2003	55.23	68.65	-13.42
TMW-16	3/6/1999	50.91	63.80	-12.89
TMW-16	7/12/1999	50.91	63.54	-12.63
TMW-16	6/20/2000	50.91	63.77	-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-16	9/13/2002	55.73	68.44	-12.71
TMW-17	7/12/1999	NA	NA	-13.16
TMW-17	1/14/2000	NA	NA	-13.41
WCC-1D	10/18/1989	50.69	70.20	-19.51
WCC-1D	6/15/1992	50.69	70.24	-19.55
WCC-1D	9/21/1992	50.69	70.61	-19.92
WCC-1D	1/5/1993	50.69	70.30	-19.61
WCC-1D	4/9/1993	50.69	69.79	-19.10
WCC-1D	6/7/1993	50.69	69.69	-19.00
WCC-1D	8/24/1993	50.69	69.22	-18.53
WCC-1D	11/18/1993	50.69	69.03	-18.34
WCC-1D	2/23/1994	50.69	68.52	-17.83
WCC-1D	6/10/1994	50.69	68.16	-17.47
WCC-1D	9/8/1994	50.69	68.35	-17.66
WCC-1D	12/21/1994	50.69	68.24	-17.55
WCC-1D	3/13/1995	50.69	68.05	-17.36

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-1D	6/12/1995	50.69	67.48	-16.79
WCC-1D	9/20/1995	50.69	67.29	-16.60
WCC-1D	12/12/1995	50.69	67.00	-16.31
WCC-1D	2/29/1996	50.69	66.84	-16.15
WCC-1D	6/6/1996	50.69	66.42	-15.73
WCC-1D	9/18/1996	50.69	66.34	-15.65
WCC-1D	12/18/1996	50.69	66.03	-15.34
WCC-1D	5/6/1997	50.69	65.56	-14.87
WCC-1D	7/1/1997	50.69	65.51	-14.82
WCC-1D	7/22/1997	50.69	65.60	-14.91
WCC-1D	8/4/1997	50.69	65.54	-14.85
WCC-1D	8/19/1997	50.69	65.49	-14.80
WCC-1D	9/3/1997	50.69	65.53	-14.84
WCC-1D	9/16/1997	50.69	65.48	-14.79
WCC-1S	11/13/1987	50.74	72.37	-21.63
WCC-1S	10/18/1989	50.74	70.22	-19.48
WCC-1S	6/15/1992	50.74	69.94	-19.20
WCC-1S	9/21/1992	50.74	70.16	-19.42
WCC-1S	1/5/1993	50.74	70.08	-19.34
WCC-1S	4/9/1993	50.74	69.53	-18.79
WCC-1S	6/7/1993	50.74	69.49	-18.75
WCC-1S	8/24/1993	50.74	68.99	-18.25
WCC-1S	11/18/1993	50.74	68.74	-18.00
WCC-1S	2/23/1994	50.74	68.35	-17.61
WCC-1S	6/10/1994	50.74	67.97	-17.23
WCC-1S	9/8/1994	50.74	67.99	-17.25
WCC-1S	12/21/1994	50.74	67.86	-17.12
WCC-1S	3/13/1995	50.74	67.86	-17.12
WCC-1S	6/12/1995	50.74	67.27	-16.53
WCC-1S	9/20/1995	50.74	67.01	-16.27
WCC-1S	12/12/1995	50.74	66.79	-16.05
WCC-1S	2/29/1996	50.74	66.54	-15.80
WCC-1S	6/6/1996	50.74	66.21	-15.47
WCC-1S	9/18/1996	50.74	66.10	-15.36
WCC-1S	12/18/1996	50.74	65.77	-15.03
WCC-1S	5/6/1997	50.74	65.32	-14.58
WCC-1S	7/1/1997	50.74	65.25	-14.51
WCC-1S	7/22/1997	50.74	65.32	-14.58
WCC-1S	8/4/1997	50.74	65.27	-14.53
WCC-1S	8/19/1997	50.74	65.21	-14.47
WCC-1S	9/3/1997	50.74	65.27	-14.53
WCC-1S	9/16/1997	50.74	65.20	-14.46
WCC-2S	11/13/1987	50.83	70.55	-19.72
WCC-2S	10/18/1989	50.83	69.89	-19.06
WCC-2S	6/15/1992	50.83	69.98	-19.15
WCC-2S	9/21/1992	50.83	70.24	-19.41

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-2S	1/5/1993	50.83	70.34	-19.51
WCC-2S	4/9/1993	50.83	69.47	-18.64
WCC-2S	6/7/1993	50.83	69.46	-18.63
WCC-2S	8/24/1993	50.83	68.98	-18.15
WCC-2S	11/18/1993	50.83	68.70	-17.87
WCC-2S	2/23/1994	50.83	68.32	-17.49
WCC-2S	6/10/1994	50.83	67.90	-17.07
WCC-2S	9/8/1994	50.83	68.03	-17.20
WCC-2S	12/21/1994	50.83	68.00	-17.17
WCC-2S	3/13/1995	50.83	67.91	-17.08
WCC-2S	6/12/1995	50.83	67.20	-16.37
WCC-2S	9/20/1995	50.83	67.02	-16.19
WCC-2S	12/12/1995	50.83	66.69	-15.86
WCC-2S	2/29/1996	50.83	66.60	-15.77
WCC-2S	6/6/1996	50.83	66.09	-15.26
WCC-2S	9/18/1996	50.83	66.01	-15.18
WCC-2S	12/18/1996	50.83	65.65	-14.82
WCC-2S	5/6/1997	50.83	65.19	-14.36
WCC-3D	10/18/1989	51.42	70.80	-19.38
WCC-3D	6/15/1992	51.42	70.81	-19.39
WCC-3D	9/21/1992	51.42	71.13	-19.71
WCC-3D	1/5/1993	51.42	71.94	-20.52
WCC-3D	4/9/1993	51.42	70.29	-18.87
WCC-3D	6/7/1993	51.42	70.27	-18.85
WCC-3D	8/24/1993	51.42	69.82	-18.40
WCC-3D	11/18/1993	51.42	69.60	-18.18
WCC-3D	2/23/1994	51.42	69.42	-18.00
WCC-3D	6/10/1994	51.42	68.81	-17.39
WCC-3D	9/8/1994	51.42	68.89	-17.47
WCC-3D	12/21/1994	51.42	68.84	-17.42
WCC-3D	3/13/1995	51.42	68.69	-17.27
WCC-3D	6/12/1995	51.42	68.09	-16.67
WCC-3D	9/20/1995	51.42	67.89	-16.47
WCC-3D	12/12/1995	51.42	67.59	-16.17
WCC-3D	2/29/1996	51.42	67.37	-15.95
WCC-3D	6/6/1996	51.42	66.99	-15.57
WCC-3D	9/18/1996	51.42	66.92	-15.50
WCC-3D	12/18/1996	51.42	66.63	-15.21
WCC-3D	5/6/1997	51.42	66.14	-14.72
WCC-3D	7/1/1997	51.42	66.07	-14.65
WCC-3D	7/22/1997	51.42	66.15	-14.73
WCC-3D	8/4/1997	51.42	66.11	-14.69
WCC-3D	8/19/1997	51.42	66.03	-14.61
WCC-3D	9/3/1997	51.42	66.07	-14.65
WCC-3D	9/16/1997	51.42	66.05	-14.63
WCC-3D	9/22/1998	51.42	65.00	-13.58

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-3D	10/16/1998	51.42	64.95	-13.53
WCC-3D	3/6/1999	51.42	65.02	-13.60
WCC-3D	7/12/1999	51.42	64.91	-13.49
WCC-3D	6/20/2000	51.42	65.12	-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	51.37	72.93	-21.56
WCC-3S	10/18/1989	51.37	70.79	-19.42
WCC-3S	6/15/1992	51.37	70.61	-19.24
WCC-3S	9/21/1992	51.37	70.89	-19.52
WCC-3S	1/5/1993	51.37	71.10	-19.73
WCC-3S	4/9/1993	51.37	70.20	-18.83
WCC-3S	6/7/1993	51.37	70.19	-18.82
WCC-3S	8/24/1993	51.37	69.73	-18.36
WCC-3S	11/18/1993	51.37	69.38	-18.01
WCC-3S	2/23/1994	51.37	69.04	-17.67
WCC-3S	6/10/1994	51.37	68.56	-17.19
WCC-3S	9/8/1994	51.37	68.68	-17.31
WCC-3S	12/21/1994	51.37	68.65	-17.28
WCC-3S	3/13/1995	51.37	68.59	-17.22
WCC-3S	6/12/1995	51.37	67.95	-16.58
WCC-3S	9/20/1995	51.37	67.74	-16.37
WCC-3S	12/12/1995	51.37	67.43	-16.06
WCC-3S	2/29/1996	51.37	67.30	-15.93
WCC-3S	6/6/1996	51.37	66.78	-15.41
WCC-3S	9/18/1996	51.37	66.78	-15.41
WCC-3S	12/18/1996	51.37	66.48	-15.11
WCC-3S	5/6/1997	51.37	66.00	-14.63
WCC-3S	7/1/1997	51.37	65.90	-14.53
WCC-3S	7/22/1997	51.37	66.01	-14.64
WCC-3S	8/4/1997	51.37	65.90	-14.53
WCC-3S	8/19/1997	51.37	65.89	-14.52
WCC-3S	9/3/1997	51.37	65.95	-14.58
WCC-3S	9/16/1997	51.37	65.90	-14.53
WCC-3S	7/14/1998	51.37	64.77	-13.40
WCC-3S	9/22/1998	51.37	64.85	-13.48
WCC-3S	10/16/1998	51.37	65.11	-13.74
WCC-3S	3/6/1999	51.37	64.82	-13.45
WCC-3S	7/12/1999	51.37	64.70	-13.33
WCC-3S	6/20/2000	51.37	64.84	-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-3S	9/13/2002	51.12	64.54	-13.42
WCC-3S	3/25/2003	51.12	64.46	-13.34
WCC-3S	9/24/2003	51.12	64.25	-13.13

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-4S	11/13/1987	50.07	71.84	-21.77
WCC-4S	10/18/1989	50.07	69.66	-19.59
WCC-4S	6/15/1992	50.07	69.29	-19.22
WCC-4S	9/21/1992	50.07	69.56	-19.49
WCC-4S	1/5/1993	50.07	69.41	-19.34
WCC-4S	4/9/1993	50.07	68.93	-18.86
WCC-4S	6/7/1993	50.07	68.85	-18.78
WCC-4S	8/24/1993	50.07	68.44	-18.37
WCC-4S	11/18/1993	50.07	68.23	-18.16
WCC-4S	2/23/1994	50.07	67.84	-17.77
WCC-4S	6/10/1994	50.07	67.39	-17.32
WCC-4S	9/8/1994	50.07	67.44	-17.37
WCC-4S	12/21/1994	50.07	67.38	-17.31
WCC-4S	3/13/1995	50.07	67.30	-17.23
WCC-4S	6/12/1995	50.07	66.68	-16.61
WCC-4S	9/20/1995	50.07	66.45	-16.38
WCC-4S	12/12/1995	50.07	66.23	-16.16
WCC-4S	2/29/1996	50.07	67.09	-17.02
WCC-4S	6/6/1996	50.07	65.63	-15.56
WCC-4S	9/18/1996	50.07	65.56	-15.49
WCC-4S	12/18/1996	50.07	65.26	-15.19
WCC-4S	5/6/1997	50.07	64.81	-14.74
WCC-4S	7/1/1997	50.07	64.73	-14.66
WCC-4S	7/22/1997	50.07	64.80	-14.73
WCC-4S	8/4/1997	50.07	64.76	-14.69
WCC-4S	8/19/1997	50.07	64.68	-14.61
WCC-4S	9/3/1997	50.07	64.76	-14.69
WCC-4S	9/16/1997	50.07	64.68	-14.61
WCC-4S	7/14/1998	50.07	63.63	-13.56
WCC-4S	9/22/1998	50.07	63.53	-13.46
WCC-4S	10/16/1998	50.07	63.56	-13.49
WCC-4S	3/6/1999	50.07	63.50	-13.43
WCC-4S	7/12/1999	50.07	63.40	-13.33
WCC-4S	6/20/2000	50.07	63.58	-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-4S	9/13/2002	49.62	63.15	-13.53
WCC-4S	9/22/2003	49.62	62.70	-13.08
WCC-5S	10/18/1989	48.74	68.44	-19.70
WCC-5S	6/15/1992	48.74	67.87	-19.13
WCC-5S	9/21/1992	48.74	68.16	-19.42
WCC-5S	1/5/1993	48.74	68.06	-19.32
WCC-5S	4/9/1993	48.74	67.57	-18.83
WCC-5S	6/7/1993	48.74	67.52	-18.78
WCC-5S	8/24/1993	48.74	67.12	-18.38
WCC-5S	11/18/1993	48.74	66.87	-18.13

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-5S	2/23/1994	48.74	66.52	-17.78
WCC-5S	6/10/1994	48.74	66.07	-17.33
WCC-5S	9/8/1994	48.74	66.07	-17.33
WCC-5S	12/21/1994	48.74	65.99	-17.25
WCC-5S	3/13/1995	48.74	65.93	-17.19
WCC-5S	6/12/1995	48.74	65.30	-16.56
WCC-5S	9/20/1995	48.74	65.09	-16.35
WCC-5S	12/12/1995	48.74	64.88	-16.14
WCC-5S	2/29/1996	48.74	64.76	-16.02
WCC-5S	6/6/1996	48.74	64.28	-15.54
WCC-5S	9/18/1996	48.74	64.21	-15.47
WCC-5S	12/18/1996	48.74	63.96	-15.22
WCC-5S	5/6/1997	48.74	63.55	-14.81
WCC-5S	7/1/1997	48.74	63.45	-14.71
WCC-5S	7/22/1997	48.74	63.51	-14.77
WCC-5S	8/4/1997	48.74	63.45	-14.71
WCC-5S	8/19/1997	48.74	63.39	-14.65
WCC-5S	9/3/1997	48.74	63.46	-14.72
WCC-5S	9/16/1997	48.74	63.38	-14.64
WCC-5S	9/22/1998	48.74	62.26	-13.52
WCC-5S	10/16/1998	48.74	62.20	-13.46
WCC-5S	3/6/1999	48.74	62.13	-13.39
WCC-5S	7/12/1999	48.74	61.99	-13.25
WCC-5S	6/20/2000	48.74	62.20	-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
WCC-5S	9/13/2002	48.79	62.25	-13.46
WCC-5S	3/24/2003	48.79	62.13	-13.34
WCC-5S	9/22/2003	48.79	61.83	-13.04
WCC-6S	10/18/1989	51.30	71.00	-19.70
WCC-6S	6/15/1992	51.30	70.70	-19.40
WCC-6S	9/21/1992	51.30	70.94	-19.64
WCC-6S	1/5/1993	51.30	70.80	-19.50
WCC-6S	4/9/1993	51.30	70.33	-19.03
WCC-6S	6/7/1993	51.30	70.27	-18.97
WCC-6S	8/24/1993	51.30	69.85	-18.55
WCC-6S	11/18/1993	51.30	69.62	-18.32
WCC-6S	2/23/1994	51.30	69.22	-17.92
WCC-6S	6/10/1994	51.30	68.78	-17.48
WCC-6S	9/8/1994	51.30	68.75	-17.45
WCC-6S	12/21/1994	51.30	68.75	-17.45
WCC-6S	3/13/1995	51.30	68.66	-17.36
WCC-6S	6/12/1995	51.30	68.05	-16.75
WCC-6S	9/20/1995	51.30	67.94	-16.64
WCC-6S	12/12/1995	51.30	67.60	-16.30
WCC-6S	2/29/1996	51.30	67.47	-16.17

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-6S	6/6/1996	51.30	67.06	-15.76
WCC-6S	9/18/1996	51.30	66.95	-15.65
WCC-6S	12/18/1996	51.30	66.65	-15.35
WCC-6S	5/6/1997	51.30	66.20	-14.90
WCC-6S	7/1/1997	51.30	66.09	-14.79
WCC-6S	7/22/1997	51.30	66.19	-14.89
WCC-6S	8/4/1997	51.30	66.14	-14.84
WCC-6S	9/16/1997	51.30	66.03	-14.73
WCC-6S	7/14/1998	51.30	64.99	-13.69
WCC-6S	9/22/1998	51.30	65.04	-13.74
WCC-6S	10/16/1998	51.30	65.07	-13.77
WCC-6S	3/6/1999	51.30	65.01	-13.71
WCC-6S	7/12/1999	51.30	64.85	-13.55
WCC-6S	6/20/2000	51.30	64.96	-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-6S	9/13/2002	51.30	64.89	-13.59
WCC-6S	3/25/2003	51.30	64.58	-13.28
WCC-6S	9/22/2003	51.30	64.47	-13.17
WCC-7S	10/18/1989	48.67	68.74	-20.07
WCC-7S	6/15/1992	48.67	68.30	-19.63
WCC-7S	9/21/1992	48.67	68.60	-19.93
WCC-7S	1/5/1993	48.67	68.43	-19.76
WCC-7S	4/9/1993	48.67	67.97	-19.30
WCC-7S	6/7/1993	48.67	67.90	-19.23
WCC-7S	8/24/1993	48.67	67.50	-18.83
WCC-7S	11/18/1993	48.67	67.27	-18.60
WCC-7S	2/23/1994	48.67	66.89	-18.22
WCC-7S	6/10/1994	48.67	66.49	-17.82
WCC-7S	9/8/1994	48.67	66.47	-17.80
WCC-7S	12/21/1994	48.67	66.41	-17.74
WCC-7S	3/13/1995	48.67	66.21	-17.54
WCC-7S	6/12/1995	48.67	65.70	-17.03
WCC-7S	9/20/1995	48.67	65.49	-16.82
WCC-7S	12/12/1995	48.67	65.26	-16.59
WCC-7S	2/29/1996	48.67	65.13	-16.46
WCC-7S	6/6/1996	48.67	64.68	-16.01
WCC-7S	9/18/1996	48.67	64.62	-15.95
WCC-7S	12/18/1996	48.67	64.31	-15.64
WCC-7S	5/6/1997	48.67	63.86	-15.19
WCC-7S	7/1/1997	48.67	63.79	-15.12
WCC-7S	7/22/1997	48.67	63.87	-15.20
WCC-7S	8/4/1997	48.67	63.82	-15.15
WCC-7S	8/19/1997	48.67	63.75	-15.08
WCC-7S	9/3/1997	48.67	63.82	-15.15
WCC-7S	9/16/1997	48.67	63.73	-15.06

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-7S	9/22/1998	48.67	62.56	-13.89
WCC-7S	10/16/1998	48.67	62.61	-13.94
WCC-7S	3/6/1999	48.67	62.25	-13.58
WCC-7S	7/12/1999	48.67	62.13	-13.46
WCC-7S	6/20/2000	48.67	62.34	-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-7S	9/13/2002	50.20	63.82	-13.62
WCC-7S	3/24/2003	50.20	63.72	-13.52
WCC-7S	9/22/2003	50.20	63.41	-13.21
WCC-8S	10/18/1989	50.87	70.22	-19.35
WCC-8S	6/15/1992	50.87	69.98	-19.11
WCC-8S	9/21/1992	50.87	70.21	-19.34
WCC-8S	1/5/1993	50.87	70.06	-19.19
WCC-8S	4/9/1993	50.87	69.56	-18.69
WCC-8S	6/7/1993	50.87	69.48	-18.61
WCC-8S	8/24/1993	50.87	69.06	-18.19
WCC-8S	11/18/1993	50.87	68.76	-17.89
WCC-8S	2/23/1994	50.87	68.36	-17.49
WCC-8S	6/10/1994	50.87	67.98	-17.11
WCC-8S	9/8/1994	50.87	68.01	-17.14
WCC-8S	12/21/1994	50.87	67.99	-17.12
WCC-8S	3/13/1995	50.87	68.16	-17.29
WCC-8S	6/12/1995	50.87	67.29	-16.42
WCC-8S	9/20/1995	50.87	67.03	-16.16
WCC-8S	12/12/1995	50.87	66.76	-15.89
WCC-8S	2/29/1996	50.87	66.63	-15.76
WCC-8S	6/6/1996	50.87	66.21	-15.34
WCC-8S	9/18/1996	50.87	66.14	-15.27
WCC-8S	12/18/1996	50.87	65.86	-14.99
WCC-8S	5/6/1997	50.87	65.43	-14.56
WCC-8S	7/1/1997	50.87	65.31	-14.44
WCC-8S	7/22/1997	50.87	65.37	-14.50
WCC-8S	8/4/1997	50.87	65.33	-14.46
WCC-8S	8/19/1997	50.87	65.26	-14.39
WCC-8S	9/3/1997	50.87	65.33	-14.46
WCC-8S	9/16/1997	50.87	65.26	-14.39
WCC-9S	10/18/1989	46.32	66.39	-20.07
WCC-9S	6/15/1992	46.32	65.76	-19.44
WCC-9S	9/21/1992	46.32	65.98	-19.66
WCC-9S	1/5/1993	46.32	65.88	-19.56
WCC-9S	4/9/1993	46.32	65.41	-19.09
WCC-9S	6/7/1993	46.32	65.41	-19.09
WCC-9S	8/24/1993	46.32	65.01	-18.69
WCC-9S	11/18/1993	46.32	64.74	-18.42
WCC-9S	2/23/1994	46.32	64.41	-18.09

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-9S	6/10/1994	46.32	64.95	-18.63
WCC-9S	9/8/1994	46.32	65.40	-19.08
WCC-9S	12/21/1994	46.32	63.83	-17.51
WCC-9S	3/13/1995	46.32	63.73	-17.41
WCC-9S	6/12/1995	46.32	63.11	-16.79
WCC-9S	9/20/1995	46.32	62.96	-16.64
WCC-9S	12/12/1995	46.32	62.71	-16.39
WCC-9S	2/29/1996	46.32	62.81	-16.49
WCC-9S	6/6/1996	46.32	62.18	-15.86
WCC-9S	9/18/1996	46.32	62.08	-15.76
WCC-9S	12/18/1996	46.32	61.79	-15.47
WCC-9S	5/6/1997	46.32	61.42	-15.10
WCC-9S	7/1/1997	46.32	61.32	-15.00
WCC-9S	7/22/1997	46.32	61.39	-15.07
WCC-9S	8/4/1997	46.32	61.32	-15.00
WCC-9S	8/19/1997	46.32	61.28	-14.96
WCC-9S	9/3/1997	46.32	61.33	-15.01
WCC-9S	9/16/1997	46.32	61.25	-14.93
WCC-9S	9/22/1998	46.32	60.24	-13.92
WCC-9S	10/16/1998	46.32	60.14	-13.82
WCC-9S	3/6/1999	46.32	60.17	-13.85
WCC-9S	7/12/1999	46.32	59.87	-13.55
WCC-9S	6/20/2000	46.32	60.02	-13.70
WCC-9S	1/15/2001	46.93	60.90	-13.97
WCC-9S	7/16/2001	46.93	60.54	-13.61
WCC-9S	3/21/2002	46.85	60.33	-13.48
WCC-9S	9/13/2002	46.85	60.90	-14.05
WCC-9S	3/25/2003	46.85	60.51	-13.66
WCC-9S	9/22/2003	46.85	60.18	-13.33
WCC-10S	10/18/1989	51.29	69.71	-18.42
WCC-10S	6/15/1992	51.29	70.23	-18.94
WCC-10S	9/21/1992	51.29	70.62	-19.33
WCC-10S	1/5/1993	51.29	70.39	-19.10
WCC-10S	4/9/1993	51.29	69.71	-18.42
WCC-10S	6/7/1993	51.29	69.62	-18.33
WCC-10S	8/24/1993	51.29	69.12	-17.83
WCC-10S	11/18/1993	51.29	68.83	-17.54
WCC-10S	2/23/1994	51.29	68.36	-17.07
WCC-10S	6/10/1994	51.29	67.96	-16.67
WCC-10S	9/8/1994	51.29	68.32	-17.03
WCC-10S	12/21/1994	51.29	68.26	-16.97
WCC-10S	3/13/1995	51.29	67.85	-16.56
WCC-10S	6/12/1995	51.29	67.34	-16.05
WCC-10S	9/20/1995	51.29	67.18	-15.89
WCC-10S	12/12/1995	51.29	66.83	-15.54
WCC-10S	2/29/1996	51.29	66.51	-15.22
WCC-10S	6/6/1996	51.29	66.06	-14.77

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-10S	9/18/1996	51.29	65.97	-14.68
WCC-10S	5/6/1997	51.29	65.07	-13.78
WCC-10S	7/1/1997	51.29	65.03	-13.74
WCC-10S	7/22/1997	51.29	65.05	-13.76
WCC-10S	8/4/1997	51.29	65.02	-13.73
WCC-10S	8/19/1997	51.29	64.98	-13.69
WCC-10S	9/3/1997	51.29	65.01	-13.72
WCC-10S	9/16/1997	51.29	64.99	-13.70
WCC-10S	7/14/1998	51.29	63.82	-12.53
WCC-10S	3/6/1999	51.29	63.96	-12.67
WCC-10S	7/12/1999	51.29	63.92	-12.63
WCC-10S	6/20/2000	51.29	64.42	-13.13
WCC-10S	1/15/2001	58.17	71.37	-13.20
WCC-11S	6/15/1992	50.29	67.91	-17.62
WCC-11S	9/21/1992	50.29	69.10	-18.81
WCC-11S	1/5/1993	50.29	68.98	-18.69
WCC-11S	4/9/1993	50.29	68.42	-18.13
WCC-11S	6/7/1993	50.29	68.33	-18.04
WCC-11S	8/24/1993	50.29	67.89	-17.60
WCC-11S	11/18/1993	50.29	67.65	-17.36
WCC-11S	2/23/1994	50.29	67.25	-16.96
WCC-11S	6/10/1994	50.29	66.74	-16.45
WCC-11S	9/8/1994	50.29	66.87	-16.58
WCC-11S	12/21/1994	50.29	66.92	-16.63
WCC-11S	3/13/1995	50.29	66.77	-16.48
WCC-11S	6/12/1995	50.29	66.12	-15.83
WCC-11S	9/20/1995	50.29	65.88	-15.59
WCC-11S	12/12/1995	50.29	65.64	-15.35
WCC-11S	2/29/1996	50.29	65.48	-15.19
WCC-11S	6/6/1996	50.29	65.00	-14.71
WCC-11S	9/18/1996	50.29	64.93	-14.64
WCC-11S	12/18/1996	50.29	64.63	-14.34
WCC-11S	5/6/1997	50.29	64.17	-13.88
WCC-11S	7/1/1997	50.29	64.05	-13.76
WCC-11S	7/22/1997	50.29	64.13	-13.84
WCC-11S	8/4/1997	50.29	64.03	-13.74
WCC-11S	8/19/1997	50.29	64.03	-13.74
WCC-11S	9/3/1997	50.29	64.10	-13.81
WCC-11S	9/16/1997	50.29	64.04	-13.75
WCC-11S	9/22/1998	50.29	62.97	-12.68
WCC-11S	10/16/1998	50.29	62.97	-12.68
WCC-11S	3/6/1999	50.29	62.93	-12.64
WCC-11S	7/12/1999	50.29	62.82	-12.53
WCC-11S	6/20/2000	50.29	63.17	-12.88
WCC-11S	1/15/2001	51.37	64.32	-12.95
WCC-11S	7/16/2001	51.37	64.00	-12.63

TABLE III
HISTORIC GROUNDWATER ELEVATIONS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-11S	3/21/2002	51.34	63.68	-12.34
WCC-11S	9/13/2002	51.34	64.20	-12.86
WCC-12S	6/15/1992	47.31	66.91	-19.60
WCC-12S	9/21/1992	47.31	67.21	-19.90
WCC-12S	1/5/1993	47.31	67.05	-19.74
WCC-12S	4/9/1993	47.31	66.57	-19.26
WCC-12S	6/7/1993	47.31	66.51	-19.20
WCC-12S	8/24/1993	47.31	66.09	-18.78
WCC-12S	11/18/1993	47.31	65.89	-18.58
WCC-12S	2/23/1994	47.31	65.44	-18.13
WCC-12S	6/10/1994	47.31	65.05	-17.74
WCC-12S	9/8/1994	47.31	65.10	-17.79
WCC-12S	12/21/1994	47.31	64.98	-17.67
WCC-12S	3/13/1995	47.31	64.94	-17.63
WCC-12S	6/12/1995	47.31	64.31	-17.00
WCC-12S	9/20/1995	47.31	64.10	-16.79
WCC-12S	12/12/1995	47.31	63.85	-16.54
WCC-12S	2/29/1996	47.31	63.71	-16.40
WCC-12S	6/6/1996	47.31	63.27	-15.96
WCC-12S	9/18/1996	47.31	63.19	-15.88
WCC-12S	12/18/1996	47.31	62.87	-15.56
WCC-12S	5/6/1997	47.31	62.46	-15.15
WCC-12S	7/1/1997	47.31	62.38	-15.07
WCC-12S	7/22/1997	47.31	62.44	-15.13
WCC-12S	8/4/1997	47.31	62.40	-15.09
WCC-12S	8/19/1997	47.31	62.34	-15.03
WCC-12S	9/3/1997	47.31	62.41	-15.10
WCC-12S	9/16/1997	47.31	62.33	-15.02
WCC-12S	7/14/1998	47.31	61.27	-13.96
WCC-12S	9/22/1998	47.31	61.37	-14.06
WCC-12S	10/16/1998	47.31	61.28	-13.97
WCC-12S	3/6/1999	47.31	61.20	-13.89
WCC-12S	7/12/1999	47.31	60.88	-13.57
WCC-12S	6/20/2000	47.31	61.16	-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
WCC-12S	9/13/2002	46.92	60.70	-13.78
WCC-12S	9/24/2003	46.92	60.42	-13.50

Notes:
NA = Not available
MSL = Mean Sea Level

QA/QC: BB
Date: 11/26/03

TABLE IV
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B - SEPTEMBER 2003
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Collected	1,1,1,2-Tetrachloroethane ug/l	1,1,1-Trichloroethane ug/l	1,1,2,2-Tetrachloroethane ug/l	1,1,2-Trichloro-1,2,2-trifluoroethane ug/l	1,1,2-Trichloroethane ug/l	1,1-Dichloroethane ug/l	1,1-Dichloroethene ug/l	1,1-Dichloropropene ug/l	1,2,3-Trichlorobenzene ug/l	1,2,3-Trichloropropane ug/l	1,2,4-Trichlorobenzene ug/l	1,2,4-Trimethylbenzene ug/l	1,2-Dibromo-3-chloropropane ug/l
DAC-P1	09/24/2003	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	500 U
TMW_01	09/24/2003	25 U	25 U	25 U	25 U	25 U	25 U	180	25 U	25 U	25 U	25 U	25 U	50 U
TMW_02	09/24/2003	500 U	600	500 U	500 U	500 U	1400	24000	500 U	500 U	500 U	500 U	500 U	1000 U
TMW_04	09/24/2003	50 U	50 U	50 U	50 U	50 U	23 J	1400	50 U	50 U	50 U	50 U	50 U	100 U
TMW_06	09/24/2003	5 U	5 U	5 U	5 U	5 U	5 U	6.2	5 U	5 U	5 U	5 U	5 U	10 U
TMW_07	09/24/2003	50 U	50 U	50 U	50 U	50 U	50 U	520	50 U	50 U	50 U	50 U	50 U	100 U
TMW_07_Dup	09/24/2003	50 U	50 U	50 U	50 U	50 U	50 U	530	50 U	50 U	50 U	50 U	50 U	100 U
TMW_10	09/23/2003	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
TMW_11	09/23/2003	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U
TMW_14	09/23/2003	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
TMW_15	09/23/2003	1 U	1 U	1 U	1 U	1 U	1 U	0.54 J	1 U	1 U	1 U	1 U	1 U	2 U
WCC_05S	09/23/2003	1 U	1 U	1 U	1 U	1 U	1 U	4.7	1 U	1 U	1 U	1 U	1 U	2 U
Quality Control Data														
Equipment Blanks														
EB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
EB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Field Blanks														
FB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
FB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Trip Blanks														
TB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
TB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U

Notes:
J = Estimated value
U = Not detected above the laboratory detection limit
ug/L = micrograms per liter

TABLE IV
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B - SEPTEMBER 2003
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Collected	1,2-Dibromoethane ug/l	1,2-Dichlorobenzene ug/l	1,2-Dichloroethane ug/l	1,3,5-Trimethylbenzene ug/l	1,3-Dichlorobenzene ug/l	1,4-Dichlorobenzene ug/l	2-Chloroethylvinyl ether ug/l	2-Hexanone ug/l	4-Methyl-2-pentanone ug/l	Acetone ug/l	Acrolein ug/l	Acrylonitrile ug/l	Benzene ug/l	Bromobenzene ug/l
DAC-P1	09/24/2003	250 U	250 U	120 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	2500 U	5000 U	5000 U	250 U	250 U
TMW_01	09/24/2003	25 U	25 U	12 U	25 U	25 U	25 U	120 U	120 U	120 U	250 U	500 U	500 U	25 U	25 U
TMW_02	09/24/2003	500 U	500 U	250 U	500 U	500 U	500 U	2500 U	2500 U	2500 U	12000	10000 U	10000 U	500 U	500 U
TMW_04	09/24/2003	50 U	50 U	25 U	50 U	50 U	50 U	250 U	250 U	250 U	500 U	1000 U	1000 U	50 U	50 U
TMW_06	09/24/2003	5 U	5 U	2.5 U	5 U	5 U	5 U	25 U	25 U	25 U	50 U	100 U	100 U	5 U	5 U
TMW_07	09/24/2003	50 U	50 U	25 U	50 U	50 U	50 U	250 U	250 U	250 U	500 U	1000 U	1000 U	50 U	50 U
TMW_07_Dup	09/24/2003	50 U	50 U	25 U	50 U	50 U	50 U	250 U	250 U	250 U	500 U	1000 U	1000 U	50 U	50 U
TMW_10	09/23/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	10 U	20 U	20 U	1 U	1 U
TMW_11	09/23/2003	10 U	10 U	5 U	10 U	10 U	10 U	50 U	50 U	50 U	100 U	200 U	200 U	10 U	10 U
TMW_14	09/23/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	10 U	20 U	20 U	1 U	1 U
TMW_15	09/23/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	10 U	20 U	20 U	1 U	1 U
WCC_05S	09/23/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	10 U	20 U	20 U	1 U	1 U
Quality Control Data															
Equipment Blanks															
EB_TAIT092303_0001	09/23/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	3.4 J	20 U	20 U	1 U	1 U
EB_TAIT092403_0001	09/24/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	7 J	20 U	20 U	1 U	1 U
Field Blanks															
FB_TAIT092303_0001	09/23/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	10 U	20 U	20 U	1 U	1 U
FB_TAIT092403_0001	09/24/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	13	20 U	20 U	1 U	1 U
Trip Blanks															
TB_TAIT092303_0001	09/23/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	3.6 J	20 U	20 U	1 U	1 U
TB_TAIT092403_0001	09/24/2003	1 U	1 U	0.5 U	1 U	1 U	1 U	5 U	5 U	5 U	6.2 J	20 U	20 U	1 U	1 U

Notes:
J = Estimated value
U = Not detected above the laboratory detection limit
ug/L = micrograms per liter

TABLE IV
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B - SEPTEMBER 2003
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Collected	Bromochloro-methane ug/l	Bromodichloro-methane ug/l	Bromoform ug/l	Bromomethane ug/l	Carbon disulfide ug/l	Carbon tetrachloride ug/l	Chlorobenzene ug/l	Chloroethane ug/l	Chloroform ug/l	Chloromethane ug/l	cis-1,2-Dichloroethene ug/l	Cumene ug/l	Dibromochloro methane ug/l	Dichlorodifluoro methane ug/l
DAC-P1	09/24/2003	250 U	250 U	250 U	500 U	250 U	120 U	250 U	500 U	250 U	500 U	120 J	250 U	250 U	250 U
TMW_01	09/24/2003	25 U	25 U	25 U	50 U	25 U	12 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U
TMW_02	09/24/2003	500 U	500 U	500 U	1000 U	500 U	250 U	500 U	1000 U	500 U	1000 U	10000	500 U	500 U	500 U
TMW_04	09/24/2003	50 U	50 U	50 U	100 U	50 U	25 U	50 U	100 U	50 U	100 U	48 J	50 U	50 U	50 U
TMW_06	09/24/2003	5 U	5 U	5 U	10 U	5 U	2.5 U	5 U	10 U	180	10 U	5 U	5 U	5 U	5 U
TMW_07	09/24/2003	50 U	50 U	50 U	100 U	50 U	25 U	50 U	100 U	50 U	100 U	15 J	50 U	50 U	50 U
TMW_07_Dup	09/24/2003	50 U	50 U	50 U	100 U	50 U	25 U	50 U	100 U	50 U	100 U	50 U	50 U	50 U	50 U
TMW_10	09/23/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	2.6	2 U	1 U	1 U	1 U	1.5
TMW_11	09/23/2003	10 U	10 U	10 U	20 U	10 U	3.2 J	10 U	20 U	440	20 U	10 U	10 U	10 U	10 U
TMW_14	09/23/2003	1 U	1 U	1 U	2 U	1 U	1.6	1 U	2 U	2.4	2 U	1 U	1 U	1 U	1 U
TMW_15	09/23/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	4	2 U	1.6	1 U	1 U	1 U
WCC_05S	09/23/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
Quality Control Data															
Equipment Blanks															
EB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
EB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
Field Blanks															
FB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
FB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
Trip Blanks															
TB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U
TB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	2 U	1 U	0.5 U	1 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U

Notes:
J = Estimated value
U = Not detected above the laboratory detection limit
ug/L = micrograms per liter

TABLE IV
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B - SEPTEMBER 2003
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Collected	Ethylbenzene ug/l	Hexachloro-butadiene ug/l	Iodomethane ug/l	Methyl ethyl ketone ug/l	Methyl tert-butyl ether ug/l	Methylene chloride ug/l	n-Butylbenzene ug/l	n-Propylbenzene ug/l	o-Chlorotoluene ug/l	p-Chlorotoluene ug/l	p-Cymene ug/l	sec-Butylbenzene ug/l	sec-Dichloropropane ug/l
DAC-P1	09/24/2003	250 U	250 U	500 U	1200 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
TMW_01	09/24/2003	25 U	25 U	50 U	120 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
TMW_02	09/24/2003	500 U	500 U	1000 U	70000	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
TMW_04	09/24/2003	50 U	50 U	100 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
TMW_06	09/24/2003	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TMW_07	09/24/2003	50 U	50 U	100 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
TMW_07_Dup	09/24/2003	50 U	50 U	100 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
TMW_10	09/23/2003	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TMW_11	09/23/2003	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TMW_14	09/23/2003	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TMW_15	09/23/2003	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
WCC_05S	09/23/2003	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Quality Control Data														
Equipment Blanks														
EB_TAIT092303_0001	09/23/2003	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
EB_TAIT092403_0001	09/24/2003	1 U	1 U	2 U	8.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Field Blanks														
FB_TAIT092303_0001	09/23/2003	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
FB_TAIT092403_0001	09/24/2003	1 U	1 U	2 U	9.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trip Blanks														
TB_TAIT092303_0001	09/23/2003	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TB_TAIT092403_0001	09/24/2003	1 U	1 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
J = Estimated value
U = Not detected above the laboratory detection limit
ug/L = micrograms per liter

TABLE IV
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B - SEPTEMBER 2003
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Collected	Styrene ug/l	tert-Butylbenzene ug/l	Tetrachloro-ethene ug/l	Tetrahydrofuran ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l	Trichloroethene ug/l	Trichlorofluoro-methane ug/l	Vinyl acetate ug/l	Vinyl chloride ug/l	Xylene, Total ug/l
DAC-P1	09/24/2003	250 U	250 U	250 U	2500 U	250 U	250 U	12000	500 U	1200 U	120 U	250 U
TMW_01	09/24/2003	25 U	25 U	25 U	250 U	25 U	25 U	1100	36 J	120 U	12 U	25 U
TMW_02	09/24/2003	500 U	500 U	500 U	5000 U	2500	450 J	7900	1000 U	2500 U	250 U	500 U
TMW_04	09/24/2003	50 U	50 U	50 U	500 U	50 U	32 J	2200	100 U	250 U	25 U	50 U
TMW_06	09/24/2003	5 U	5 U	5 U	50 U	5 U	5 U	80	10 U	25 U	2.5 U	5 U
TMW_07	09/24/2003	50 U	50 U	50 U	500 U	50 U	50 U	1700	100 U	250 U	25 U	50 U
TMW_07_Dup	09/24/2003	50 U	50 U	50 U	500 U	50 U	50 U	1700	100 U	250 U	25 U	50 U
TMW_10	09/23/2003	1 U	1 U	0.85 J	10 U	1 U	1 U	4.3	1.2 J	5 U	0.5 U	1 U
TMW_11	09/23/2003	10 U	10 U	4.9 J	100 U	10 U	10 U	7.5 J	20 U	50 U	5 U	10 U
TMW_14	09/23/2003	1 U	1 U	1.6	10 U	1 U	1 U	11	2 U	5 U	0.5 U	1 U
TMW_15	09/23/2003	1 U	1 U	1 U	10 U	1 U	1 U	24	2 U	5 U	0.5 U	1 U
WCC_05S	09/23/2003	1 U	1 U	0.34 J	10 U	0.92 J	1 U	1.3	0.7 J	5 U	0.5 U	1 U
Quality Control Data												
Equipment Blanks												
EB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2 U	5 U	0.5 U	1 U
EB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2 U	5 U	0.5 U	1 U
Field Blanks												
FB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2 U	5 U	0.5 U	1 U
FB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2 U	5 U	0.5 U	1 U
Trip Blanks												
TB_TAIT092303_0001	09/23/2003	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2 U	5 U	0.5 U	1 U
TB_TAIT092403_0001	09/24/2003	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2 U	5 U	0.5 U	1 U

Notes:
J = Estimated value
U = Not detected above the laboratory detection limit
ug/L = micrograms per liter

QA/QC: BB

Date: 11/26/03

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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	Chloro 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		2800				85										4600				
	4/13/1987		260		3700				110										5500				
	11/12/1987	23	160		3000				160			39		75					5200				
	Dup 4/13/1988		120		2500														3600				
	7/13/1989	<20	67		900				<20			<20	<20	<20			<100		2400	<20			
	8/23/1989	30	<30		1500				<30			<30	41	<30			<100		2800	<30			
	11/18/1991				1300														3700				
	6/17/1992	<50	<50		1700			<300	<50			<50	<5	<50	<100		<100		3800	<50			
	9/23/1992	13	16	<1	1500	<1	<1	<5	37	22	<1	13	<1	14	<5	4	<5	<1	3400	1	<1	<1	<1
	12/9/1992	<30	<30	<30	1500	<30	<30	<100	30	<30	<30	<30	<30	<30	<100	40	<100	<30	3100	<30	<30	<30	<30
	3/18/1993	13	15	<2	1000	<2	<2	<10	33	<5	<5	14	27	15	<10	<10	<5	<2	2100	<2	<2	<2	<5
	6/8/1993	<20	<20	<20	1200	<20	<20	<400	35	<20	<20	<20	27	<20	<400	<100	<200	<20	2400	<20	<20	<20	<20
	8/25/1993	<20	<20	<40	1700	<20	<20	<400	42	<20	<20	<20	27	<20	<400	<40	<200	<20	3300	<20	<20	<20	<20
	11/19/1993	<20	<20	<40	1600	<20	<20	<400	38	<20	<20	<20	25	<20	<400	<100	<200	<20	2600	<20	<20	<20	<20
	2/24/1994	<20	<20	<40	1800	<20	<20	<400	39	<20	<20	<20	33	21	<400	<100	<200	<20	2700	<20	<20	<20	<20
	6/13/1994	11	11	<20	1000	<10	<10	<200	<10	<10	<10	<10	20	16	<200	<50	<100	<10	1700	<10	<10	<30	<10
	9/9/1994	<40	<40	<80	1400	<40	<40	<800	<40	<40	<40	<40	<40	<40	<800	<200	<400	<40	2300	<40	<40	<120	<40
	12/22/1994	23	24	<40	3000	<20	<20	<400	57	<20	<20	<20	38	36	<400	<100	<200	<20	3100	<20	<20	<40	<20
	3/14/1995	<20	<20	<40	2000	<20	<20	<400	34	<20	<20	<20	22	22	<400	<100	<200	<20	2300	<20	<20	<40	<20
	6/13/1995	20	<20	<40	2700	<20	<20	<400	45	<20	<20	<20	29	31	<400	<100	<200	<20	3200	<20	<20	<20	<20
	9/7/1995	22	22	<5	1800	<5	<5	<10	51	<5	<5	16	37	37	<10	<5	<10	<5	2600	<5	<5	<5	<5
	12/15/1995	26	22	<2	2900	<2	<2	<2	42	<2	<2	17	34	40		<2		<2	2600	<2	<2	<4	<2
	3/4/1996	27	24	<20	3000	<20	<20	<40	<20	<20	<20	<20	35	45	<40	<20	<40	<20	2700	<20	<20	<40	<20
	6/7/1996	27	20	<5	2500	<5	<5	<10	7	<5	<5	12	28	39	<10	<5		<5	2200	<5	<5	<5	<5
	9/19/1996	<50	<50	<50	3200	<50	<50	<500	<50	<250	<50	<50	<50	63	<500	<50	<500	<50	2400	<50	<50	<50	<50
	Dup 12/15/1996	26	22	<2	2800	<2	<2	<2	42	<2	<2	16	33	40		<2		<2	2560	<2	<2	<4	<2
	12/18/1996	<50	<50	<50	2600	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	2200	<50	<50	<50	<50
	Dup 12/18/1996			<50		<50	<50	<500		<250	<50					<50		<50			<50	<50	<50
	5/8/1997	<50	<50	<50	3200	<50	<50	<500	<50	<250	<50	<50	<50	69	<500	<50	<500	<50	2700	<50	<50	<50	<50
	7/8/1997	<50	<50	<50	3900	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	2800	<50	<50	<50	<50
	7/24/1997	<50	<50	<50	2600	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	2400	<50	<50	<50	<50
	8/6/1997	<50	<50	<50	3800	<50	<50	<500	<50	<250	<50	<50	<50	60	<500	<50	<500	<50	2700	<50	<50	<50	<50
	8/22/1997	<50	<50	<50	3800	<50	<50	<500	<50	<250	<50	<50	<50	66	<500	<50	<500	<50	2700	<50	<50	<50	<50
	9/5/1997	<50	<50	<50	3500	<50	<50	<500	<50	<250	<50	<50	<50	61	<500	<50	<500	<50	2500	<50	<50	<50	<50
	9/17/1997	<50	<50	<50	3400	<50	<50	<500	<50	<250	<50	<50	<50	63	<500	<50	<500	<50	2700	<50	<50	<50	<50
	Dup 12/18/1997	<50	<50		2600				<50			<50	<50	<50	<500		<500		2300	<50			
WCC-1D	7/25/1989	<1	<1		<1				<1			<1	1	<1			<5		2	1			
	8/23/1989	<1	1		<1				<1			<1	<1	<1			<5		2	<1			
	11/15/1991		8		90														40	20			
	6/15/1992	<25	63		1500			<50	<25			<25	<25	<25	<50		<50		230	<25			
	Dup 6/15/1992	<25	64		1300			<50	<25			<25	<25	<25	<50		<65		210	<25			
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	12/16/1995	<2	<2	<2	12	<2	<2	<2	<2	<2	<2	<2	3	<2		<2		<2	23	<2	<2	<4	<2
	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
	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
	6/6/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	<5	<5	<5	<5	<5
	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
	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
	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
	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
	7/8/1997	<1	<1	<1	<1	<1	<1	<10	<1	<5	<1	<1	1.1	<1	<10	<1	<10	<1	3.3	<1	<1	<1	<1
	7/23/1997	<1	<1	<1	2.1	<1	<1	<10	<1	<5	<1	<1	1.2	<1	<10	<1	<10	<1	14	7.5	<1	<1	<1
	8/5/1997	<1	<1	<1	3.4	<1	<1	<10	<1	<5	<1	<1	1.3	<1	<10	<1	<10	<1	20	14	<1	<1	<1
WCC-1D	8/20/1997	<1	<1	<1	<1	<1	<1	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	2.6	<1	<1	<1	<1
	9/4/1997	<1	1.2	<1	6.3	<1	<1	<10	<1	<5	<1	<1	1.6	<1	<10	<1	<10	<1	25	27	<1	<1	<1
	9/17/1997	<1	1.2	<1	6	<1	<1	<10	<1	<5	<1	<1	1.5	<1	<10	<1	<10	<1	28	26	<1	<1	<1
WCC-2S	11/2/1987		5		5															6			
	11/12/1987		1		2														4	1			
	7/13/1989	<1	<1		<1				<1			<1	<1	<1			<5		5	<1			
	8/23/1989	<1	<1		<1				<1			<1	<1	<1			<5		3	<1			
	11/19/1991		8		30														110	75			
	6/16/1992	<5	<5		30			<10	<5			<5	<5	<5	<10		<10		100	<5			
	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
	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
	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

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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-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
		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
	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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		12/15/1995	<2	<2	<2	15	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2		<2	60	<2	<2	<4	<2
		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
		6/6/1996	<5	<5	<5	7	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	33	<5	<5	<5	<5
		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
		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
		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
	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		38000												54000		10000	80000			
		11/12/1987	1000	54000		88000									1000			70000		11000	140000			
		7/13/1989	<500	56000		18000				<500			<500	<500	660			<3000		7700	32000			
		8/23/1989	<1000	78000		56000				<1000			<1000	<1000	<1000			<5000		6000	56000			
		11/14/1991	400	6900		12000							250	550	550	12000		70000		7900	27000			
		6/17/1992	<5000	13000		25000			<30000	<5000			<5000	<5000	<5000	<10000		100000		13000	51000			
		9/23/1992	<500	7800	<500	22000	<500	<500	<3000	<500	<500	<500	<500	<500	<500	<3000	900	82000	<500	12000	52000	<500	<500	<500
		12/9/1992	<500	5600	<500	21000	<500	<500	<3000	<500	<500	<500	<500	700	600	4000	<500	90000	<500	11000	44000	<500	<500	<500
		3/18/1993	650	21000	55	20000	100	<10	<50	240	<25	<25	120	650	6400	<50	<50	44000	<10	8800	42000	<10	120	<25
	Dup	3/18/1993	510	22000	60	20000	95	<10	<50	260	<25	<25	110	640	670	<50	<50	45000	<10	8800	42000	<10	110	<25
		6/8/1993	420	5900	<200	16000	<100	<100	<2000	210	<100	<100	<100	520	480	<2000	<200	79000	<100	8600	37000	<100	<100	<100
		8/25/1993	500	10000	<800	21000	<400	<400	<8000	<400	<400	<400	<410	670	680	<8000	<800	50000	<400	11000	46000	<400	<400	<400
	Dup	8/25/1993	560	9500	52	20000	86	<10	<200	250	<10	<10	<10	700	710	660	<50	49000	<10	9700	40000	21	154	<10
		11/19/1993	690	19000	<200	26000	<200	<200	<4000	280	<200	<200	<200	1100	840	<4000	<1000	47000	<200	10000	50000	<200	<200	<200
		2/24/1994	310	9600	<400	15000	<200	<200	<4000	<200	<200	<200	<200	2500	360	<4000	<1000	15000	<200	2500	25000	<200	<200	<200
		6/13/1994	310	6200	<400	13000	<200	<200	<4000	<200	<200	<200	<200	4100	360	<4000	<1000	9900	<200	820	23000	<200	<600	<200
		9/9/1994	520	9000	<1000	23000	<500	<500	<10000	<500	<500	<500	<500	7700	600	<10000	<2500	6000	<500	<500	43000	<500	<1500	<500
	Dup	9/9/1994	560	98000		25000				<500			<500	8400	640	<10000		5000		<500	47000			
		12/22/1994	440	6700	<400	20000	<200	<200	<4000	200	<200	<200	<200	6700	530	<4000	<1000	3400	<200	390	35000	<200	<400	<200
		3/14/1995	570	8700	<400	24000	<200	<200	<4000	230	<200	<200	<200	6200	670	<4000	<1000	4600	<200	2300	40000	<200	<400	<200
		6/13/1995	450	4800	<800	22000	<400	<400	<8000	<400	<400	<400	<400	6300	500	<8000	<2000	6600	<400	1200	39000	<400	<400	<400
		9/7/1995	480	4100	64	13000	99	<5	39	220	<5	<5	76	6000	520	<200	23	4600	<5	910	31000	18	137	<5
		12/16/1995	350	3100	22	12000	41	<2	<2	130	<2	<2	45	4400	400		<2		<2	670	23000	8	42	<2
		3/4/1996	230	1900	<50	8400	<50	<50	<100	100	<50	<50	<50	3200	280	<100	<50	200	<50	480	15000	<50	<100	<50
		9/19/1996	600	3500	<500	20000	<500	<500	<5000	<500	<2500	<500	<500	6300	860	<5000	<500	<5000	<500	<500	29000	<500	<500	<500
		12/19/1996	380	2300	<250	16000	<250	<250	<2500	<250	<1200	<250	<250	4100	460	<2500	<250	<2500	<250	<250	20000	<250	<250	<250
		5/8/1997	140	470	<120	6300	<120	<120	<1200	<120	<620	<120	<120	2000	180	<1200	<120	<1200	<120	230	8800	<120	<120	<120
	Dup	5/8/1997	<250	520		6200				<250			<50	2000	<250	<2500		<2500		<250	9100			
		7/8/1997	<250	1100	<250	9200	<250	<250	<2500	<250	<1200	<250	<250	2900	260	<2500	<250	<2500	<250	400	14000	<250	<250	<250
		7/24/1997	350	1900	<250	14000	<250	<250	<2500	<250	<1200	<250	<250	4000	380	<2500	<250	<2500	<250	420	22000	<250	<250	<250
		8/6/1997	310	1500	<250	12000	<250	<250	<2500	<250	<1200	<250	<250	3900	350	<2500	<250	<2500	<250	250	18000	<250	<250	<250
		8/22/1997	410	2200	<250	16000	<250	<250	<2500	<250	<1200	<250	<250	4600	540	<2500	<250	<2500	<250	290	23000	<250	<250	<250
		9/5/1997	350	1600	<250	13000	<250	<250	<2500	<250	<1200	<250	<250	3700	390	<2500	<250	<2500	<250	<250	18000	<250	<250	<250
		9/18/1997	300	1500	<250	12000	<250	<250	<2500	<250	<1200	<250	<250	3500	350	<2500	<250	<2500	<250	<250	18000	<250	<250	<250
	Dup	9/18/1997	300	1600	<250	13000	<250	<250	<2500	<250	<1200	<250	<250	3600	360	<2500	<250	<2500	<250	260	18000	<250	<250	<250
		9/23/1998	870	4000	<250	33000	870	<250		390	<250	<250	<250	9400	980		<1250		<250	<250	59000	<250	<500	<250
		10/22/1998	1100	4700	<250	41000	1100	<250		470	<250	<250	<250	11000	1300		<1250		<250	490	68000	<250	<500	<250
		3/6/1999	500	1900	<250	20000	500	<250		<250	<250	<250	<250	4800	510		<1250		<250	640	42000	<250	<500	<250
		7/16/1999	780	2700	<250	32000	780	<250		380	<250	<250	<250	8600	1000		<1250		<250	810	54000	<250	<500	<250
		6/26/2000	630	2400	<125	25000	<125			380	<125	<125	<125	7600	840		<625		<125	770	48000	<125	<250	<125
		2/3/2001	550	1100	<500	17000	100 J	<500	<5000	270 J	<500	<250	<500	4600	590	<2500	<500	3100	<500	550	44000	<500	<500	<1000
		7/19/2001	840	2200	<200	32000	<100	<200	<2000	390	<200	<100	140	7900	960	<1000	<200	6100	<200	140	73000	<200	250	<400
	Dup	7/19/2001	820	2200	<200	34000	<100	<200	<2000	410	<200	<100	100	7800	940	<1000	<200	6400	<200	140	75000	<200	220	<400
		3/25/2002	440J	670	<620	16000	<310	<620	<6200	<620	<620	<310	<620	3800	520J	<3100	<620		<620	1400	43000	<620	<620	<1200
		3/27/2003	75J	96J	<100	4000	<50	<100	<1000	46J	<100	<50	<100	910	110	<500	<100		<100	1500	9600	<100	<100	<200
WCC-3D		11/14/1991		60		20																		
		6/16/1992	<5	880		510			<30	<5			<5	<5	<5	<10		<10		23	8			
		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
		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
		3/16/1993	6	2000	<2	950	<2	<2	<10	<2	<5	<5	<2	2	9	<10	<10	<5	<2	50	6	<2	<2	<5
	Dup	3/16/1993	6	2000	<2	1000	<2	<2	<10	<2	<5	<5	<2	2	9	<10	<10	<5	<2	47	6	<2	<2	<5
		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
		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
		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
	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
		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
	Dup	2/23/1994	<4	530		370				<4			<4	<4	<4	<80		<40		23	12			
		6/13/1994	<10	1300	<20	720	<10	<10	<200	<10	<10	<10	<10	<10	<10	<200	<50	<100	<10	96	<10	<10	<30	<10
		9/9/1994	<50	5600	<100	3700	<50	<50	<1000	<50	<50	<50	<50	<50	<50	<1000	<250	<500	<50	490	<50	<50	<150	<50

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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	Chloro 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-3D	12/21/1994	10	6300	29	5200	<4	<4	<80	8.6	<4	<4	<4	15	22	<80	<20	<40	<4	540	5100	<4	<8	<4
	3/14/1995	<40	4000	<80	3300	<40	<40	<800	<40	<40	<40	<40	<40	<40	<800	<200	<400	<40	370	3200	<40	<80	<40
Dup	3/14/1995	<20	3900	<40	3200	<20	<20	<400	<20	<20	<20	<20	<20	<20	<400	<100	<200	61	380	3400	<20	<40	<20
	6/13/1995	<10	2100	<20	1800	<10	<10	<200	<10	<10	<10	<10	<10	<10	<200	<50	<100	<10	200	1700	<10	<10	<10
	9/7/1995	13	4100	35	3400	6	<5	<10	13	<5	<5	<5	60	30	<10	<5	170	<5	520	4700	<5	8	<5
	12/16/1995	<2	90	<2	111	<2	<2	<2	<2	<2	<2	<2	3	<2		<2		<2	32	88	<2	<4	<2
	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
	6/7/1996	<5	59	<5	84	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	60	21	<5	<5	<5
	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
	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
	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
	7/8/1997	<1	15	<1	70	<1	<1	<10	<1	<5	<1	<1	2.3	<1	<10	<1	<10	<1	87	14	<1	<1	<1
Dup	7/8/1997	<1	5.9	<1	30	<1	<1	<10	<1	<5	<1	<1	1.1	<1	<10	<1	<10	<1	45	6	<1	<1	<1
	7/24/1997	<1	7.9	<1	55	<1	<1	<10	<1	<5	<1	<1	2.1	<1	<10	<1	<10	<1	79	12	<1	<1	<1
	8/6/1997	<1	8.8	<1	34	<1	<1	<10	<1	<5	<1	<1	2	<1	<10	<1	<10	<1	58	17	<1	<1	<1
Dup	8/6/1997	<1	8.6	<1	34	<1	<1	<10	<1	<5	<1	<1	2.2	<1	<10	<1	<10	<1	56	17	<1	<1	<1
	8/22/1997	<1	21	<1	61	<1	<1	<10	<1	<5	<1	<1	1.9	<1	<10	<1	<10	<1	70	21	<1	<1	<1
Dup	8/22/1997	<1	22	<1	60	<1	<1	<10	<1	<5	<1	<1	1.8	<1	<10	<1	<10	<1	72	22	<1	<1	<1
	9/5/1997	<1	15	<1	53	1.9	<1	<10	<1	<5	<1	<1	2	<1	<10	<1	<10	<1	66	29	<1	<1	<1
Dup	9/5/1997	<1	14	<1	48	<1	<1	<10	<1	<5	<1	<1	1.9	<1	<10	<1	<10	<1	63	27	<1	<1	<1
	9/18/1997	<1	18	<1	35	<1	<1	<10	<1	<5	<1	<1	1.7	<1	<10	<1	<10	<1	47	32	<1	<1	<1
	9/28/1998	<5	1300	<5	1200	<5	<5		<5	<5	<5	<5	18	6.1		<25		<5	62	58	<5	<10	<5
	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
	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
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
	7/16/1999	<0.5	6.4	<0.5	4.7	<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
Dup	7/16/1999	<0.5	5.7	<0.5	4.4	<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
	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
	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
	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				
	11/12/1987		35		1200														690				
	7/13/1989	<3	11		170				<3			<3	10	<3					270	<3			
	8/23/1989	<5	7		360				<5			<5	15	<5			<20		410	<5			
	11/18/1991		20		1000												<30		2200				
	6/17/1992	<25	<25		920			<150	<25			<25	<25	<25	<50		<50		1500	<25			
	9/23/1992	<10	20	<10	1400	<10	<10	<50	<10	<10	<10	10	<10	<10	<50	20	<50	<10	1900	<10	<10	<10	<10
	12/8/1992	<10	20	<10	1000	<10	<10	<50	<10	<10	<10	10	10	<10	<50	50	<50	<10	1600	<10	<10	<10	<10
	3/17/1993	8	14	<2	810	<2	<2	<10	6	<5	<5	5	8	5	<10	<10	<5	<2	1200	<2	<2	<2	<5
	6/8/1993	<10	12	<20	1300	<10	<10	<200	<10	<10	<10	<10	10	<10	<200	<40	<100	<10	1800	<10	<10	<10	<10
	8/25/1993	<10	<10	<20	1100	<10	<10	<200	<10	<10	<10	<10	<10	<10	<200	<20	<100	<10	1400	<10	<10	<10	<10
	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
	2/24/1994	5.8	8.8	<8	1100	<4	<4	<80	6.4	<4	<4	5.1	8.7	7.2	<80	<20	<40	<4	980	<4	<4	<4	<4
	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
	9/9/1994	<20	<20	<40	1000	<20	<20	<400	<20	<20	<20	<20	<20	<20	<400	<100	<200	<20	1300	<20	<20	<60	<20
	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
	3/14/1995	9.8	4.9		400				<4			<4	4.9	<4	<80		<40		450	<4			
	3/14/1995			<8		<4	<4	<80		<4	<4					<20		<4			<4	<8	<4
	6/13/1995	8.6	<6.6	<13	1100	<6.6	<6.6	<130	7.1	<6.6	<6.6	<6.6	7.9	<6.6	<130	<33	<66	<6.6	1100	<6.6	<6.6	<6.6	<6.6
	9/7/1995	8.1	6.4	<5	910	<5	<5	<10	13	<5	<5	6.5	10	9.2	<10	<5	<10	<5	1200	<5	<5	<5	<5
	12/15/1995	4	<2	<2	1100	<2	<2	<2	2	<2	<2	4	8	7		<2		<2	1200	<2	<2	<4	<2
	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
	6/7/1996	<5	<5	<5	740	<5	<5	<10	<5	<5	<5	<5	5	<5	<10	<5		<5	830	<5	<5	<5	<5
	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
	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
	5/8/1997	<12	<12	<12	1000	<12	<12	<120	<12	<62	<12	<12	<12	14	<120	<12	<120	<12	1100	<12	<12	<12	<12
	7/8/1997	<25	<25	<25	1300	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1200	<25	<25	<25	<25
	7/24/1997	<25	<25	<25	940	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1200	<25	<25	<25	<25
	8/6/1997	<25	<25	<25	1000	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1000	560	<25	<25	<25
	8/22/1997	<25	<25	<25	1200	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1200	<25	<25	<25	<25
	9/5/1997	<25	<25	<25	1100	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1000	<25	<25	<25	<25
	9/17/1997	<25	<25	<25	960	<25	<25	<250	<25	<120	<25	<25	<25	<25	<250	<25	<250	<25	1100	<25	<25	<25	<25
	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
	10/21/1998	19	<5	11	1100	19	<5		<5	<5	<5	6	11	11		<25		<5	970	<5	<5	<10	<5
	3/4/1999	<10	<10	<10	1700	<10	<10		<10	<10	<10	<10	<10	15		<50		<10	1600	<10	<10	<20	<10
	7/14/1999	<10	<10	<10	2100	<10	<10		<10	<10	<10	<10	12	19		<50		<10	1500	<10	<10	<20	<10
	6/21/2000	<10	<10	<10	1800	<10			<10	<10	<10	<10	<10	<10		<50		<10	1300	<10	<10	<20	<10
	1/24/2001	<50	<50	<50	2000	<25	<50	<500	<50	<50	<25	<50	<50	15 J	<250	<50	<250	<50	1100	<50	<50	<50	<100
	3/26/2002	<25	<25	<25	1600	<12	<25	<250	<25	<25	<12	<25	22J	15J	<120	<25		<25	1000	12J	<25	<25	<50
WCC-5S	11/30/1987		1		7															1			
	1/8/1988		10		4																		
	7/13/1989	<1	13		3				<1			<1	6	<1			<1		<5	<1			
Dup	7/13/1989	<1	12		3				<1			<1	6	<1			<1		<5	<1			
	8/23/1989	<1	12		<1				<1			<1	4	<1			<1		<5	<1			
	11/19/1991				20														8	7			
	6/15/1992	<5	<5		28			<10	<5			<5	<5	<5	<10		<10		7	<5			
	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
	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
	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

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	12/12/1995	<2	<2	<2	15	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2		<2	3	<2	<2	<4	<2
	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
	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
	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
	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
	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
	7/2/1997	<1	<1	<1	11	<1	<1	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	2.1	<1	<1	<1	<1
	7/23/1997	<1	<1	<1	12	<1	<1	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	14	9.8	<1	<1	<1
	8/5/1997	<1	1.2	<1	18	<1	1.2	<10	<1	<5	<1	<1	1	<1	<10	<1	<10	<1	31	23	<1	<1	<1
	8/20/1997	<1	<1	<1	12	<1	<1	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	2.1	<1	<1	<1	<1
	9/4/1997	<1	1.6	<1	19	<1	<1	<10	<1	<5	<1	<1	1.6	<1	<10	<1	<10	<1	32	33	<1	<1	<1
	9/16/1997	<1	1.8	<1	19	<1	<1	<10	<1	<5	<1	<1	1.5	<1	<10	<1	<10	<1	40	38	<1	<1	<1
	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
	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
	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
	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
	6/22/2000	<0.5	<0.5	<0.5	8.5	<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
	1/23/2001	<1	<1	<1	5.4	<0.5	<1	<10	<1	<1	<0.5	<1	<1	<1	<5	<1	<5	<1	1.7	2.8	<1	<1	5.2 J
	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
	9/16/2002	<1	<1	<1	5.8	<0.5	<1	<10	<1	<1	<0.5	<1	<1	<1	<5	<1	<5	0.34J	1.5	3	<1	<1	0.86J
	3/25/2003	1.6	<1	<1	7.4	<0.5	<1	<10	<1	<1	<0.5	<1	1.3	<1	<5	<1		<1	3.6	<1	<1	<1	0.32J
	9/23/2003	<1	<1	<1	4.7	<0.5		<10	<1	<1	<0.5	<1	<1	<1	<5	<1		0.34J	1.3	0.92J	<1	<1	0.7J
WCC-6S	10/6/1989	4	130		210				<1			<1	12	7			<5		140	<1			
	11/16/1991		5000		5800										21000		17000			35000			
	6/17/1992	<500	2100		5400			<3000	<500			<500	<500	<500	6300		7600		3000	15000			
	9/23/1992	94	1300	96	5900	5	<1	78	67	<1	<1	20	200	170	3600	5	7500	<1	3100	10000	5	26	<1
	12/9/1992	80	680	60	3700	<80	<50	<300	80	<50	<50	<50	200	100	3000	100	3400	<50	2700	5000	<50	<50	<50
Dup	12/9/1992	<100	1400	100	5600	-80/-11	<100	<600	<100	<100	<100	<100	200	200	5000	200	<500	<10	3200	10000	<10	<100	<100
	3/17/1993	50	1200	<10	3200	-80/-12	<25	<50	40	<25	<25	15	<10	80	3800	<50	3900	<10	1400	10000	<10	20	<25
	6/8/1993	<100	1900	<200	5500	-80/-13	<100	<2000	<100	<100	<100	<100	260	120	7800	<200	13000	<100	2100	21000	<100	<100	<100
	8/25/1993	<100	2100	<200	5400	-80/-14	<100	<2000	<100	<100	<100	<100	630	130	7600	<200	11000	<100	1900	19000	<100	<100	<100
	11/19/1993	42	440	<20	2200	-80/-15	<10	<200	24	<10	<10	<10	480		3100	<50	4700	<10	670	4900	<10	<10	<10
	2/24/1994	91	2200	74	11000	-80/-16	<10	230	52	<10	<10	21	1400	140	4400	<50	13000	<10	1800	20000	10	58	<10
	6/13/1994	87	1800	69	5800	<80	<10	<200	52	<10	<10	18	1600	130	1400	<50	4400	<10	1400	12000	<10	51	<50
Dup	6/13/1994	<100	1500	<200	6300	<17	<10	<2000	<100	<10	<100	<100	1400	100	<2000	<500	5200	<100	1300	<13000	<100	<300	<100
	12/22/1994	<200	1300	<400	9100	<200	<200	<4000	<200	<200	<200	<200	2500	<200	<4000	<1000	4800	<200	1900	16000	<200	<400	<200
	3/14/1995	38	200	<40	3000	26	<20	<400	25	<20	<20	<20	850	60	<400	<100	390	<20	930	2300	<20	<40	<20
	6/13/1995	130	810	60	9800	51	<20	<400	82	<20	<20	28	4200	180	<400	<100	450	<20	510	8400	<20	<20	<20
	9/7/1995	55	370	1	4300	1	<5	<10	50	<5	<5	14	2400	83	12	<5	240	<5	620	2900	<5	1	<5
Dup	9/7/1995	70	310	1	3800	1	<5	<10	56	<5	<5	19	2200	99	11	<5	180	<5	520	2500	<5	1	<5
	12/16/1995	120	1400	76	11000	41	<2	<2	66	<2	<2	28	2600	160		<2		<2	2000	4900	5	28	<2
	3/4/1996	93	1600	61	8300	<50	<50	<100	56	<50	<50	<50	2000	140	340	<50	350	<50	2000	3900	<50	<100	<50
	6/7/1996	88	1700	53	9300	39	<25	<50	54	<25	<25	<25	3000	120	960	<25		<25	2400	6500	<25	<25	<25
	9/19/1996	<250	890	<250	8800	<250	<250	<2500	<250	<1200	250	<250	1800	250	<2500	<250	<2500	<250	2000	4000	<250	<250	<250
Dup	9/19/1996	110	950	<100	8800	<100	<100	<1000	<100	<500	<100	<100	1800	160	<1000	<100	<100	<100	2200	4300	<100	<100	<100
	12/19/1996	<100	680	<100	7000	<100	<100	<1000	<100	<500	<100	<100	880	100	<1000	<100	<1000	<100	2200	2600	<100	<100	<100
Dup	12/19/1996	<100	820	<100	8300	<100	<100	<1000	<100	<500	<100	<100	1000	130	<1000	<100	<1000	<100	2600	3000	<100	<100	<100
	5/9/1997	<100	720	<100	6800	<100	<100	<1000	<100	<500	<100	<100	1100	<100	<1000	<100	<1000	<100	1900	1800	<100	<100	<100
Dup	5/9/1997	<100	740	<100	7000	<100	<100	<1000	<100	<500	<100	<100	1200	120	<1000	<100	<1000	<100	2000	1800	<100	<100	<100
	7/8/1997	<100	410	<100	3600	<100	<100	<1000	<100	<500	<100	<100	540	<100	<1000	<100	<1000	<100	950	2400	<100	<100	<100
	7/24/1997	<100	320	<100	2700	<100	<100	<1000	<100	<500	<100	<100	510	<100	<1000	<100	<1000	<100	820	1600	<100	<100	<100
	8/6/1997	<100	630	<100	7700	<100	<100	<1000	<100	<500	<100	<100	1400	110	<1000	<100	<1000	<100	2100	3100	<100	<100	<100
	9/18/1997	<100	500	<100	5500	<100	<100	<1000	<100	<500	<100	<100	910	<100	<1000	<100	<1000	<100	1600	1800	<100	<100	<100
	9/23/1998	16	38	<12.5	2800	16	<12.5		<12.5	<12.5	<12.5	<12.5	210	22		<62.5		<12.5	1500	<12.5	<12.5	<25	<12.5
	10/22/1998	20	19	<10	2800	20	<10		12	<10	<10	<10	100	33		<50		<10	1700	<10	<10	<20	<10
	3/6/1999	110	300	<50	9500	110	<50		51	<50	<50	<50	510	140		<250		<50	5000	760	<50	<100	<50
	7/16/1999	94	390	<50	7300	94	<50		<50	<50	<50	<50	1000	130		<250		<50	3000	860	<50	<100	<50
	6/26/2000	76	1600	<25	5300	<25			43	<25	<25	<25	2000	91		<125		<25	1500	4700	<25	<50	<25
	1/22/2001	79 J	770	<100	4600	<50	<100	<1000	<100	<100	<50	<100	1300	120	<500	<100	<500	<100	1700	1200	<100	<100	<200
	7/19/2001	74	540	14	5026	11	<5	<50	27	<5	<2.5	14	990	110	<25	<5	<25	<5	1900	360	7.6	38	<10
	3/26/2002	190	780	<120	10000	<62	<120	<1200	68J	<120	<62	40J	4100	200	<620	<120		<120	2000	2500	<120	<120	<250
	3/25/2003	230	210	<120	9400	54J	<120	<1200	67J	<120	<62	38J	4900	200	<620	<120		<120	400	7700	<120	<120	<250
WCC-7S	7/13/1989	<10	110		850				<10			<10	26	11			<50		1300	<10			
	8/23/1989	<30	66		1100				<30			<30	31	<30			<100		1400	<30			
	11/18/1991				390														1200				
	6/17/1992	<5	<5		230			<30	<5			<5	<5	<5	<10		<10		560	<5			
	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
	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

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	12/15/1995	<2	<2	<2	98	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2		<2	140	<2	<2	<4	<2
	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
	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
	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
	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
	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
	7/2/1997	<2	<2	<2	130	<2	<2	<20	<2	<10	<2	<2	<2	<2	<20	<2	<20	<2	150	<2	<2	<2	<2
	7/24/1997	<2	<2	<2	67	<2	<2	<20	<2	<10	<2	<2	<2	<2	<20	<2	<20	<2	130	8	<2	<2	<2
	8/6/1997	<2	<2	<2	130	<2	<2	<20	<2	<10	<2	<2	<2	<2	<20	<2	<20	<2	160	18	<2	<2	<2
	8/21/1997	<2	<2	<2	120	<2	<2	<20	<2	<10	<2	<2	<2	<2	<20	<2	<20	<2	140	<2	<2	<2	<2
	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
	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
	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
	10/21/1998	1	<1	2	300	1	<1		<1	<1	<1	<1	1	<1		<5		<1	240	<1	<1	<2	<1
	3/4/1999	<1	<1	<1	160	<1	<1		<1	<1	<1	<1	1.1	<1		<5		<1	170	<1	<1	<2	<1
	7/14/1999	<1	<1	<1	32	<1	<1		<1	<1	<1	<1	9.3	<1		<5		<1	120	<1	<1	<2	<1
	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	<0.5
	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
	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
	3/28/2003	1J	<2.5	1.4J	170	<1.2	<2.5	<25	<2.5	<2.5	<1.2	<2.5	2.1J	<2.5	<12	<2.5		<2.5	120	<2.5	<2.5	<2.5	<5
WCC-8S	7/13/1989	<5	160		430				<5			<5	7	9			<30		240	<5			
	8/23/1989	<5	130		820				<5			<5	7	<5			<30		430	<5			
	11/15/1991		400		2600							25	40	40					3000	120			
	6/17/1992	<25	180		2200			<150	<25			<25	<25	<25	<50		<50		2400	<25			
Dup	6/17/1992	<50	180		2300			<300	<50			<50	<50	<50	<100		<100		2600	<50			
	9/23/1992	<20	200	<20	2800	<20	<20	<100	<20	<20	<20	20	<20	20	<100	40	<100	<20	3100	<20	<20	<20	<20
	12/8/1992	<20	100	<20	2000	<20	<20	<100	20	<20	<20	20	20	30	<100	30	<100	<20	2500	<20	<20	<20	<20
	3/17/1993	11	180	<2	1800	<2	<2	<10	15	<5	<5	10	15	26	<10	<10	<5	<2	1500	<2	<2	<2	<5
	6/8/1993	<20	300	<40	3000	<20	<20	<400	<20	<20	<20	<20	<20	40	<400	<100	<200	<20	2000	<20	<20	<20	<20
	8/25/1993	<20	330	<40	3100	<20	<20	<400	<20	<20	<20	<20	<20	45	<400	<40	<200	<20	2200	<20	<20	<20	<20
	2/24/1994	<20	300	<40	3400	<20	<20	<400	<20	<20	<20	<20	<20	35	<400	<100	<200	<20	1200	<20	<20	<20	<20
	6/13/1994	<40	290	<80	4000	<40	<40	<800	<40	<40	<40	<40	<40	44	<800	<200	<400	<40	2200	<40	<40	<120	<40
	9/9/1994	<50	280	<100	4600	<50	<50	<1000	<50	<50	<50	<50	<50	<50	<1000	<250	<500	<50	3100	<50	<50	<150	<50
	12/22/1994	<20	230	<40	4000	<20	<20	<400	25	<20	<20	<20	<20	43	<400	<100	<200	<20	2100	<20	<20	<40	<20
	3/14/1995	<40	220	<80	4500	<40	<40	<800	<40	<40	<40	<40	<40	41	<800	<200	<400	<40	2600	<40	<40	<80	<40
	6/13/1995	<40	150	<80	4200	<40	<40	<800	<40	<40	<40	<40	<40	<40	<800	<200	<400	<40	2400	<40	<40	<40	<40
	9/7/1995	10	110	<5	2200	<5	<5	<10	22	<5	<5	9.2	15	28	<10	<5	<10	<5	1700	<5	<5	<5	<5
	12/15/1995	16	120	<2	4200	<2	<2	<2	10	<2	<2	<2	18	40		<2		<2	2300	<2	<2	<4	<2
	3/1/1996	<20	120	<20	3500	<20	<20	<40	<20	<20	<20	<20	<20	40	<40	<20	<40	<20	2100	<20	<20	<40	<20
Dup	3/1/1996	<20	120	<20	3600	<20	<20	<40	<20	<20	<20	<20	<20	41	<40	<20	<40	<20	2200	<20	<20	<40	<20
	6/7/1996	11	91	<5	3300	<5	<5	<10	<5	<5	<5	10	12	32	<10	<5		<5	2000	<5	<5	<5	<5
	9/19/1996	<50	59	<50	3400	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1900	<50	<50	<50	<50
	11/19/1996	<20	330	<40	3300	<20	<20	<400	24	<20	<20	<20	<20	50	<400	<100	<200	<20	2000	<20	<20	<20	<20
	12/18/1996	<50	61	<50	3000	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	2000	<50	<50	<50	<50
	5/8/1997	<50	<50	<50	2600	<50	<50	<500	<50	<250	<50	<50	<50	51	<500	<50	<500	<50	1600	<50	<50	<50	<50
	7/8/1997	<50	<50	<50	3200	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1900	<50	<50	<50	<50
	7/24/1997	<50	<50	<50	2500	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1900	<50	<50	<50	<50
	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
	8/22/1997	<50	<50	<50	2800	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1900	<50	<50	<50	<50
	9/5/1997	<50	<50	<50	2500	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1600	<50	<50	<50	<50
	9/17/1997	<50	<50	<50	2600	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	1800	<50	<50	<50	<50
WCC-9S	10/6/1989	<1	<1		<1				<1			<1	7	<1			<5		15	<1			
	11/19/1991																		20				
	6/15/1992	<5	<5		7			<30	<5			<5	<5	<5	<10		<10		42	<5			
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
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
	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

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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		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
	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
		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
		12/12/1995	<2	<2	<2	4	<2	<2	<2	<2	<2	<2	4	3	<2		<2		<2	18	<2	<2	<4	<2
		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
		6/6/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	15	<5	<5	<5	<5
		9/18/1996	<1	<1	<1	2.2	<1	1.1	<10	<1	<5	<1	3.9	2.9	<1	<10	<1	<10	<1	17	<1	<1	<1	<1
		12/17/1996	<1	<1	<1	2.8	<1	1.5	<10	<1	<5	<1	3.5	2.8	<1	<10	<1	<10	<1	18	<1	<1	<1	<1
		5/7/1997	<1	<1	<1	2.4	<1	1	<10	<1	<5	<1	3.5	3	<1	<10	<1	<10	<1	16	<1	<1	<1	<1
		7/2/1997	<1	<1	<1	4.4	<1	<1	<10	<1	<5	<1	<1	1.9	6.7	<10	<1	<10	<1	29	<1	<1	<1	<1
		7/23/1997	<1	<1	<1	7.6	<1	<1	<10	<1	<5	<1	<1	2	7.6	<10	<1	<10	<1	43	12	<1	<1	<1
		8/5/1997	<1	<1	<1	9.9	<1	<1	<10	<1	<5	<1	8.2	2.6	<1	<10	<1	<10	<1	51	20	<1	<1	<1
	Dup	8/5/1997	<1	<1	<1	3.5	<1	<1	<10	<1	<5	<1	<1	1.3	<1	<10	<1	<10	<1	20	16	<1	<1	<1
		8/20/1997	<1	<1	<1	6	<1	<1	<10	<1	<5	<1	<1	2	9	<10	<1	<10	<1	31	<1	<1	<1	<1
		9/4/1997	<1	<1	<1	9.8	<1	<1	<10	<1	<5	<1	<1	2.4	8.2	<10	<1	<10	<1	48	24	<1	<1	<1
		9/16/1997	1.3	<1	<1	10	<1	<1	<10	<1	<5	<1	<1	2.4	8.1	<10	<1	<10	<1	58	29	<1	<1	<1
	Dup	9/16/1997	<1	1.4	<1	11	<1	<1	<10	<1	<5	<1	8	2.4	<1	<10	<1	<10	<1	59	30	<1	<1	<1
		9/23/1998	<1	3.5	<1	17	<1	<1		<1	<1	<1	12	<1	<1		<5		<1	130	<1	<1	<2	<1
		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
		3/2/1999	<0.5	<0.5	<0.5	7.3	<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
		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
		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	<0.5
		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
		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
		3/26/2003	1.1	<1	<1	3.7	<0.5	<1	<10	<1	<1	<0.5	12	3.2	<1	<5	<1		0.31J	29	<1	<1	<1	0.4J
WCC-10S		7/13/1989	<1	<1		2				<1			3	<1	<1			<5		86	<1			
	Dup	7/13/1989	<1	<1		1				<1			3	<1	<1			0.5		87	<1			
		8/23/1989	<1	<1		4				<1			4	<1	<1			5		81	<1			
		11/20/1991																		87				
		6/16/1992	<5	<5		10			35	<5			<5	<5	<5	13		<10		120	<5			
		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
	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
		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
		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
		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
		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
		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
		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
		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
		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
		12/22/1994			<4		<2	<2	<40		<2	<2					<10		<2			<2	<4	<2
	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
		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
	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
		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
		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
		12/16/1995	<2	<2	<2	23	<2	<2	<2	<2	<2	<2	4	<2	<2		<2		<2	135	<2	<2	<4	<2
		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
		6/6/1996	<5	<5	<5	22	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	140	<5	<5	<5	<5
		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
		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
		7/2/1997	<2	<2	<2	25	<2	<2	<20	<2	<10	<2	2.5	<2	<2	<20	<2	<20	<2	140	<2	<2	<2	<2
		7/23/1997	<2	<2	<2	26	<2	<2	<20	<2	<10	<2	2.8	<2	<2	<20	<2	<20	<2	150	10	<2	<2	<2
	Dup	7/23/1997	<2	<2	<2	26	<2	<2	<20	<2	<10	<2	2.9	<2	<2	<20	<2	<20	<2	150	10	<2	<2	<2
		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
		8/21/1997	<2	<2	<2	25	<2	<2	<20	<2	<10	<2	2.6	<2	<2	<20	<2	<20	<2	120	<2	<2	<2	<2
		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
		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
		3/2/1999	<0.5	<0.5		29				<0.5			2.5	0.92	<0.5					150	<0.5			
		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
		7/14/1999	<1	<1	1.2	190	<1	<1		<1	<1	<1	<1	1.3	<1		<5		<1	200	<1	<1	<1	<1
		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	<0.5
		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				
		6/16/1992	<5	<5		21			<10	<5			<5	<5	<5	<10		<10		120	<5			
		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
		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
		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
		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
		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
		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
	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
		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
		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
		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
	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
		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
		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
		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

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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	Chloro 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-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
	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
		12/15/1995	<2	<2	<2	34	<2	<2	<2	<2	<2	<2	<2	5	<2		<2		<2	210	<2	<2	<4	<2
		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
		6/6/1996	<5	<5	<5	28	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	170	<5	<5	<5	<5
	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
		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
		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
		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
		7/2/1997	<2	<2	<2	29	<2	<2	<20	<2	<10	<2	<2	4.4	<2	<20	<2	<20	<2	160	<2	<2	<2	<2
		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
		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
		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
		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
	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
		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
		9/28/1998	<1	2.1	<1	51	<1	<1		<1	<1	<1	<1	<1	<1		<5		<1	230	<1	<1	<2	<1
		10/21/1998	<1	<1	<1	35	<1	<1		<1	<1	<1	<1	2	<1		<5		<1	140	<1	<1	<2	<1
		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
		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
		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	<0.5
		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
		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				
		6/16/1992	<5	<5		250			<10	<5			<5	<5	<5	<10		<10		660	<5			
	Dup	6/16/1992	<5	<5		260			<10	<5			<5	<5	<5	<10		<10		710	<5			
		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
		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
		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
		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
		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
		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
		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
	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
		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
		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
		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
		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
		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
		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
		12/15/1995	10	<2	<2	44	<2	<2	<2	<2	<2	<2	2	3	<2		<2		<2	140	<2	<2	<4	<2
		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
		6/7/1996	12	<5	<5	37	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5		<5	140	<5	<5	<5	<5
		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
		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
		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
		7/2/1997	14	<2	<2	38	<2	<2	<20	<2	<10	<2	<2	2.4	<2	<20	<2	<20	<2	130	<2	<2	<2	<2
	Dup	7/2/1997	14	<2	<2	38	<2	<2	<20	<2	<10	<2	<2	2.4	<2	<20	<2	<20	<2	130	<2	<2	<2	<2
		7/23/1997	14	<2	<2	34	<2	<2	<20	<2	<10	<2	<2	2.2	<2	<20	<2	<20	<2	140	9.2	<2	<2	<2
		8/6/1997	14	<2	<2	42	<2	<2	<20	<2	<10	<2	<2	2.8	<2	<20	<2	<20	<2	140	20	<2	<2	<2
		8/21/1997	13	<2	<2.5	39	<2.5	<2.5	<25	<2	<12	<2.5	2	2.4	<2	<20	<2.5	<20	<2.5	120	<2	<2.5	<2.5	<2.5
		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
		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
	Dup	9/17/1997			<2.5		<2.5	<2.5	<25		<12	<2.5					<2.5		<2.5			<2.5	<2.5	<2.5
		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
	Dup	9/23/1998	11	<2.5		34				<2.5			<2.5	<2.5	<2.5	<25		<25		120	23			
		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
		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
		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
		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	<0.5
		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
		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							<1000															
		10/9/1989	<200	<200		<200				<200			85	<200	<200	<1000		<1000		17000	<200			
		6/17/1992	<5	<5		<5			<30	<5			10	13	<5	<10		<10		21000	<5			
		6/23/1992	<1	<1	9	4	<1	<1	<5	5	<1	4	54	71	1	<5	4	<5	13	28000	<1	<1	<1	1
	Dup	6/23/1992	<1	<0.5	9	4	<1	<1	<5	5	<1	4	51	70	2	<5	4	<5	13	28000	<1	<1	<1	1
		12/9/1992	<500	<500	<500	<300	<500	<500	<3000	<500	<500	<500	<500	<500	<500	<3000	2000	<3000	<500	29000	<500	<500	<500	<500
		3/18/1993	<2	44	5	21	<2	<2	<10	5	<5	<5	44	68	2	<10	<10	7	10	21000	260	<2	<2	<5
		6/8/1993	<100	<100	<200	<200	<100	<100	<2000	<100	<100	<100	<100	<100	<100	<2000	<200	<1000	<100	28000	130	<100	<100	<100
		8/25/1993	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<200	<4000	<400	<2000	<200	27000	300	<200	<200	<200
		11/19/1993	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	52	81	<20	<400	<100	<200	<20	24000	<20	<20	<20	<20
		2/24/1994	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	47	89	<20	<400	<100	<200	<20	20000	<20	<20	<20	<20
		6/13/1994	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	46	92	<20	<400	<100	<200	<20	20000	<20	<20	<60	<20
		9/9/1994	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<200	<4000	<1000	<2000	<200	18000	<200	<200	<600	<200
		12/22/1994	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<200	<4000	<1000	<2000	<200	11000	<200	<200	<400	<200
		3/14/1995	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<200	<4000	<1000	<2000	<200	21000	<200	<200	<400	<200
		6/13/1995	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<200	<4000	<1000	<2000	<200	18000	<200	<200	<200	<200
		9/7/1995	<5	<5	<5	12	<5	<5	<10	<5	<5	<5	33	89	<5	<10	<5	<10	17	13000	53	<5	<5	<5

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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	Chlorio 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
DAC-P1	12/16/1995	2	38	4	120	<2	<2	<2	5	<2	<2	45	130	5		<2		11	20000	680	<2	<4	<2
	3/4/1996	<100	<100	<100	100	<100	<100	<200	<100	<100	<100	<100	100	<100	<200	<100	<200	<100	15000	260	<100	<200	<100
Dup	3/4/1996			<100		<100	<100	<200		<100	<100					<100		<100			<100	<200	<100
	6/7/1996	<50	<50	<50	190	<50	<50	<100	<50	<50	<50	<50	95	<50	<100	<50		<50	13000	490	<50	<50	<50
Dup	6/7/1996	<25	45	<25	180	<25	<25	<50	<25	<25	<25	29	95	<25	<50	<25		<25	12000	490	<25	<25	<25
	9/19/1996	<250	<250	<250	350	<250	<250	<2500	<250	<1200	<250	<250	<250	<250	<2500	<250	<2500	<250	15000	740	<250	<250	<250
	12/19/1996	<500	<500	<500	<500	<500	<500	<5000	<500	<2500	<500	<500	<500	<500	<5000	<500	<5000	<500	15000	610	<500	<500	<500
	5/9/1997	<250	<250	<250	<250	<250	<250	<2500	<250	<1200	<250	<250	<250	<250	<2500	<250	<2500	<250	15000	<250	<250	<250	<250
	7/8/1997	<250	<250	<250	<250	<250	<250	<2500	<250	<1200	<250	<250	<250	<250	<2500	<250	<2500	<250	13000	450	<250	<250	<250
	7/24/1997	<50	<50	<50	<50	<50	<50	<500	<50	<250	<50	<50	<50	<50	<500	<50	<500	<50	3200	110	<50	<50	<50
	8/6/1997	<250	<250	<250	<250	<250	<250	<2500	<250	<1200	<250	<250	<250	<250	<2500	<250	<2500	<250	15000	460	<250	<250	<250
	8/22/1997	<250	<250	<250	470	<250	<250	<2500	<250	<1200	<250	<250	<250	<250	<2500	<250	<2500	<250	17000	1300	<250	<250	<250
	9/5/1997	<250	<250	<250	270	<250	<250	<2500	<250	<1200	<250	<250	<250	<250	<2500	<250	<2500	<250	15000	810	<250	<250	<250
	9/18/1997	<250	<250	<250	<250	<250	<250	2900	<250	<1200	<250	<250	<250	<250	<2500	<250	<2500	<250	14000	540	<250	<250	<250
	4/8/1999	<50	<50	<50	<50	<50	<50		<50	<50	<50	<50	69	<50		<250		<50	14000	<50	<50	<100	<50
	7/16/1999	<125	<125	<125	<125	<125	<125		<125	<125	<125	<125	<125	<125		670		<125	18000	<125	<125	<250	<125
	6/26/2000	<50	<50	<50	<50	<50	<50		<50	<50	<50	<50	79	<50			<50	<50	14000	<50	<50	<100	<50
	1/18/2001	<250	<250	<250	<200	<120	<250	<250	<250	370	<120	<250	<250	<250	<1200	<250	<1200	<250	10000	<250	<250	<250	<500
	3/27/2002	<250	<250	<250	<250	<120	<250	<2500	<250	<250	<120	<250	170J	<250	<1200	<250		<250	17000	<250	<250	<250	<500
	9/19/2002	<50	<50	<50	<50	<25	<50	<500	<50	<50	<25	37J	80	<50	<250	<50	<250	<50	18000	<50	<50	<50	<100
	3/28/2003	<250	<250	<250	<250	<120	<250	<2500	<250	<250	<120	<250	89J	<250	<1200	<250		<250	13000	<250	<250	<250	<500
	9/24/2003	<250	<250	<250	<250	<120		<2500	<250	<250	<120	<250	120J	<250	<1200	<250		<250	12000	<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
	9/22/1998	<5	5.6	<5	730	<5	<5		<5	<5	<5	5.4	<5	<5		<25		<5	410	<5	<5	<10	<5
	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
	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
	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	14
	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	19
	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
	7/18/2001	0.29	<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
	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
	9/18/2002	<2	<2	<2	170	<1	<2	<20	<2	<2	<1	4.2	<2	<2	<10	<2		3	540	<2	<2	<2	22
DUP	9/18/2002	<2	<2	<2	190	<1	<2	<20	<2	<2	<1	3.6	<2	<2	<10	<2	<10	3.4	520	<2	<2	<2	25
	3/27/2003	<25	<25	<25	100	<12	<25	<250	<25	<25	<12	<25	<25	<25	<120	<25		<25	860	<25	<25	<25	32J
	9/24/2003	<25	<25	<25	180	<12		<250	<25	<25	<12	<25	<25	<25	<120	<25		<25	1100	<25	<25	<25	36J
TMW-2	7/15/1998	<250	6900	<250	36000	<250	<250		<250	<250	<250	350	710	630		<1250		<250	34000	<250	<250	<500	<250
	9/23/1998	1500	5600	<250	34000	1500	<250		<250	<250	<250	290	770	650		<1250		<250	31000	<250	<250	<500	<250
	10/20/1998	1600	5100	<125	33000	1600	<125		<125	<125	<125	270	810	700		<625		<125	32000	<125	<125	<250	<125
	3/6/1999	1600	4300	<125	39000	1600	<125		<125	<125	<125	250	660	600		<625		<125	36000	<125	<125	<250	<125
	7/16/1999	1900	2700	<125	43000	1900	<125		<125	<125	<125	280	1000	930		670		<125	32000	<125	<125	<250	<125
	6/26/2000	1400	1900	<100	28000	<100			<100	<100	<100	230	850	580		<500		<100	28000	480	<100	<200	<100
	2/3/2001	1400	960	<250	24000	74 J	<250	<250	<250	<250	<120	170	1000	510	18000	51 J	<1200	<250	21000	960	<250	<250	<500
	7/18/2001	1400	1100	53	30000	93	<100	<1000	56	<100	<50	170	4300	590	75000	34	760	<100	20000	2800	<100	<100	<200
	3/26/2002	1200	650	<250	20000	<120	<250	<2500	<250	<250	<120	110J	7800	420	<1200	<250		<250	11000	1700	<250	<250	<500
	9/19/2002	2200	1400	61J	27000	230	<100	<1000	66J	<100	<50	240	14000	770	140000	38J	1300	<100	8400	5200	<100	<100	<200
	3/28/2003	1500	1300	<250	23000	<120	<250	<2500	<250	<250	<120	110J	4700	380	<1200	<250		<250	14000	710	<250	<250	<500
	9/24/2003	1400	600	<500	24000	<250		12000	<500	<500	<250	<500	10000	450J	70000	<500		<500	7900	2500	<500	<500	<1000
TMW-3	7/31/1998	<50	<50	<50	200	<50	<50		<50	<50	<50	<50	<50	<50		<250		<50	8100	<50	<50	<100	<50
	9/22/1998	<100	<100	<100	150	<100	<100		<100	<100	<100	<100	<100	<100		<500		<100	12000	<100	<100	<200	<100
	10/20/1998	<50	<50	<50	330	<50	<50		<50	<50	<50	<50	<50	<50		<250		<50	9900	<50	<50	<100	<50
	3/5/1999	<50	<50	<50	210	<50	<50		<50	<50	<50	<50	<50	<50		<250		<50	8200	<50	<50	<100	<50
	7/15/1999	<50	<50	<50	340	<50	<50		<50	<50	<50	<50	<50	<50		<250		<50	7800	<50	<50	<100	<50
	6/22/2000	<10	<10	<10	96	<10			<10	<10	<10	<10	12	<10		<50		<10	3500	<10	<10	<20	<10
	1/29/2001	<50	<50	<50	76	<25	<50	<500	<50	<50	<25	<50	<50	<50	<250	<50	<250	<50	2200	20 J	<50	<50	<100
	7/19/2001	22	<50	24	350	<25	<50	<500	<50	<50	<25	<50	42	<50	<250	<50	<250	<50	8800	20	<50	<50	<100
	3/26/2002	15J	<50	<50	140	<25	<50	<500	<50	<50	<25	<50	<50	<50	<250	<50		<50	4000	<50	<50	<50	<100
	9/19/2002	19	8.5J	10	160	<5	<10	<100	<10	<10	<5	9.9J	30	<10	<50	<10	<50	<10	4500	<10	<10	<10	<20
TMW-4	7/14/1998	55	<25	43	1500	<25	<25		<25	<25	<25	<25	110	66		<125		<25	2300	<25	<25	<50	<25
	9/22/1998	47	19	28	1800	47	<10		<10	<10	<10	21	83	58		<50		<10	2600	<10	<10	<20	<10
	10/20/1998	56	22	29	2400	56	<10		10	<50	<10	20	98	73		<50		<10	2900	<10	<10	<20	<10
	3/4/1999	<50	<50	<50	2000	<50	<50		<50	<50	<50	<50	64	54		<250		<50	2900	<50	<50	<100	<50
	7/15/1999	42	10	10	2500	23	<10		<10	<10	<10	30	77	64		75		<10	2500	<10	<10	<20	<10
	6/22/2000	22	<5	<5	890	15			<5	<5	<5	17	39	27		<25		<5	1700	<5	<5	10	<5
	1/29/2001	19 J	<50	<50	1100	12 J	<50	<500	<50	<50	<25	14	29 J	21 J	<250	<50	<250	<50	2000	<50	<50	<50	<100
	7/17/2001	12	<5	6.1	850	7.1	<5	<50	<5	<5	<2.5	12	22	15	<25	1.6	<25	<5	1800	4.9	<5	<5	<10
	3/26/2002	18J	<25	<25	720	10J	<25	<250	<25	<25	<12	11J	36	21J	<120	<25		<25	1900	<25	<25	<25	<50
	9/18/2002	12	<5	4.4J	660	7.6	<5	<50	<5	<5	<2.5	11	18	13	<25	<5	<25	<5	1700	<5	<5	<5	<10
	3/27/2003	25	<25	9.8J	1200	12	<25	<250	<25	<25	<12	10J	44	31	<120	<25		<25	2000	<25	<25	<25	<50
	9/24/2003	23J	<50	<50	1400	<25		<500	<50	<50	<25	<50	48J	32J	<250	<50		<50	2200	<50	<50	<50	<100
TMW-5	7/14/1998	<25	<25	<25	460	<25	<25		<25	0.25	<25	<25	<25	<25		<125		<25	3700	<25	<25	<50	<25
	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	3500	<12.5	<12.5	<25	<12.5
	10/19/1998	<25	<25	<25	530	<25	<25		<25	<25	<25	28	<25	<25		<125		<25	5000	<25	<25	<50	<25
	3/4/1999	<50	<50	<50	500	<50	<50		<50	<50	<50	4500	<50	<50		<250		<50	<50	<50	<50	<100	<50
	7/14/1999	<50	<50		710				<50			<50	<50	<50					4300	<50			
	7/15/1999	<2.5	<2.5	<2.5	8.6	<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
	6/22/2000	<13	<13	<13	650	<13			<13	<13	<13	<13	<13	<13		<63		<13	4100	<13	<13	<25	<13

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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-5	1/23/2001	<50	<50	<50	460	<25	<50	<500	<50	<50	<25	15	<50	<50	<250	<50	<250	<50	2900	<50	<50	<50	<100
	7/17/2001	5.8	<10	13	630	11	<10	<100	<10	<10	<5	19	7	<10	<50	<10	<50	<10	4700	20	<10	<10	<20
	3/26/2002	<50	<50	<50	250	<25	<50	<500	<50	<50	<25	20J	<50	<50	<250	<50		<50	3900	<50	<50	<50	<100
	9/18/2002	9.5J	<25	25	640	25	<25	<250	<25	<25	<12	25	32	<25	<120	<25	<120	<25	8800	<25	<25	<25	<50
	3/28/2003	<100	<100	<100	610	<50	<100	<1000	<100	<100	<50	<100	41J	<100	<500	<100		<100	4300	<100	<100	<100	<200
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	<2.5
	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	<2.5
	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	<2.5
	3/4/1999	<2.5	<2.5	<2.5	8.4	<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	<2.5
	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
	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
	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
	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
	9/18/2002	0.38J	<1	<1	3.4	<0.5	<1	<10	<1	<1	<0.5	180	<1	<1	<5	<1	<5	<1	53	<1	<1	<1	<2
	3/26/2003	<5	<5	<5	6	<2.5	<5	<50	<5	<5	<2.5	170	<5	<5	<25	<5		<5	67	<5	<5	<5	<10
	9/24/2003	<5	<5	<5	6.2	<2.5		<50	<5	<5	<2.5	180	<5	<5	<25	<5		<5	80	<5	<5	<5	<10
TMW-7	7/14/1998	73	20	29	3000	73	<12.5		40	<12.5	<12.5	26	120	83		<62.5		<12.5	3500	<12.5	<12.5	<25	<12.5
	9/22/1998	36	<12.5	17	1700	36	<12.5		19	<12.5	<12.5	13	70	48		<62.5		<12.5	2700	<12.5	<12.5	<25	<12.5
	10/20/1998	44	<10	17	2400	44	<10		23	<10	<10	14	89	65		<50		<10	3000	<10	<10	20	<10
	3/5/1999	41	<12.5	14	2200	41	<12.5		16	<12.5	<12.5	13	75	54		<62.5		<12.5	2900	<12.5	<12.5	<25	<12.5
	7/15/1999	36	<12.5	<12.5	2100	36	<12.5		13	<12.5	<12.5	13	69	57		110		<12.5	2500	<12.5	<12.5	<25	<12.5
	6/23/2000	<10	<10	<10	850	<10			<10	<10	<10	<10	34	24		<50		<10	2000	<10	<10	<20	<10
	1/22/2001	14 J	<25	<25	640	<12	<25	<250	<25	<25	<12	5.5	26	17 J	<120	<25	<120	<25	1700	17 J	<25	<25	<50
	7/18/2001	10	<5	4.8	560	5.2	<5	<50	<5	<5	<2.5	4.3	21	12	<25	<5	<25	<5	1800	5.6	<5	<5	<10
	3/26/2002	7.5J	<25	<25	200	<12	<25	<250	<25	<25	<12	<25	21J	<25	<120	<25		<25	1600	<25	<25	<25	<50
	9/18/2002	7.7	<5	2.6J	390	4.6	<5	<50	<5	<5	<2.5	4J	12	8.5	<25	<5	<25	<5	1900	<5	<5	<5	<10
	3/27/2003	9.7J	<25	<25	560	<12	<25	<250	<25	<25	<12	<25	18J	13J	<120	<25		<25	1700	<25	<25	<25	<50
	9/24/2003	<50	<50	<50	520	<25		<500	<50	<50	<25	<50	15J	<50	<250	<50		<50	1700	<50	<50	<50	<100
DUP	9/24/2003	<50	<50	<50	530	<25		<500	<50	<50	<25	<50	<50	<50	<250	<50		<50	1700	<50	<50	<50	<100
TMW-8	7/15/1998	96	37	37	7000	96	<25		62	<25	<25	38	140	120		<125		<25	5700	<25	<25	<50	<25
	9/22/1998	31	<12.5	<12.5	2000	31	<12.5		23	<12.5	<12.5	14	54	40		<62.5		<12.5	2600	<12.5	<12.5	<25	<12.5
	10/20/1998	18	<10	<10	1300	18	<10		13	<10	<10	<10	32	25		<50		<10	2100	<10	<10	<20	<10
	3/5/1999	52	<12.5	18	3800	52	<12.5		38	<12.5	<12.5	21	93	71		<62.5		<12.5	3900	<12.5	<12.5	<25	<12.5
	7/15/1999	52	<12.5	13	3500	52	<12.5		27	<12.5	<12.5	16	92	74		<62.5		<12.5	3000	<12.5	<12.5	<25	<12.5
	6/23/2000	45	<13	13	2300	22			23	<13	<13	<13	81	56		<63		<13	2900	<13	<13	<25	<13
	1/25/2001	39 J	<50	<50	2189	<25	<50	<500	<50	<50	<25	<50	63	51	<250	<50	<250	<50	2500	18 J	<50	<50	<100
	7/18/2001	35	<10	6.8	2200	8.8	<10	<100	13	<10	<5	6.4	78	50	<50	<10	<50	<10	2500	26	<10	<10	<20
	3/26/2002	42J	<50	<50	3100	<25	<50	<500	17J	<50	<25	<50	72	55	<250	<50		<50	3600	<50	<50	<50	<100
	3/28/2003	62	<50	<50	3800	<25	<50	<500	27J	<50	<25	<50	94	76	<250	<50		<50	3700	<50	<50	<50	<100
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
	9/22/1998	<1	<1	<1	14	<1	<1		<1	<1	<1	2	<1	<1		<5		2.3	250	<1	<1	<1	<1
	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
	3/4/1999	<5	<5	<5	110	<5	<5		<5	<5	<5	<5	<5	<5		<25		<5	760	<5	<5	<10	<5
	7/14/1999	<5	<5	<5	290	<5	<5		<5	<5	<5	<5	<5	<5		<25		<5	1200	<5	<5	<10	<5
	6/23/2000	<5	<5	<5	220	<5			<5	<5	<5	<5	<5	<5		<25		<5	1000	<5	<5	<10	<5
	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
	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
	3/26/2003	<25	<25	<25	240	<12	<25	<250	<25	<25	<12	<25	11J	<25	<120	<25		<25	900	<25	<25	<25	<50
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	0.51
	7/13/1999	<0.5	<0.5	<0.5	0.58	<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	0.82
	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	<0.5
	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
	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
	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
	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
	9/16/2002	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	<0.5	2.9	<1	<1	<5	<1	<5	0.82J	3.8	2.2	<1	<1	1.5J
	3/26/2003	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	<0.5	3.2	<1	<1	<5	<1		1	4.9	0.58J	<1	<1	1.5J
	9/23/2003	<1	<1	<1	<1	<1		<10	<1	<1	<0.5	2.6	<1	<1	<5	<1		0.85J	4.3	<1	<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
	7/13/1999	<1.25	<1.25	<1.25	1.5	<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
	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
	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
	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
	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
	9/17/2002	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	3.4	330	<1	<1	<5	<1	<5	4.3	5.2	<1	<1	<1	<2
	3/26/2003	<10	<10	<10	<10	<5	<10	53J	<10	<10	3.4J	390	<10	<10	<50	<10		5.8J	7.1J	<10	<10	<10	<20
	9/23/2003	<10	<10	<10	<10	<5		<100	<10	<10	3.2J	440	<10	<10	<50	<10		4.9J	7.5J	<10	<10	<10	<20
TMW-12	3/3/1999	<10	<10	<10	20	<10	<10		<20	<10	<10	3100	<10	<10		<50		15	700	<10	<10	<20	<10
	7/13/1999	<10	<10	<10	32	<10	<10		<20	<10	<10	2800	<10	<10		<50		<10	760	<10	<10	<20	<10
	6/21/2000	<10	<10	<10	25	<10			<10	<10	<10	2100	<10	<10		<50		13	440	<10	<10	<20	<10
	1/22/2001	<25	<25	<25	18	<12	<25	<250	<25	<25	<12	1500	<25	<25	<120	<25	<120	<25	310	<25	<25	<25	<50
	7/17/2001	<5	<5	<5	16	<2.5	<5	<50	<5	<5	2.9	1400	<5	<5	<25	<5	<25	12	170	6.7	<5	<5	<10
	3/25/2002	<20	<20	<20	14J	<10	<20	<200	<20	<20	<10	1200	<20	<20	<100	<20		<20	150	17J	<20	<20	<40
	9/18/2002	<5	<5	<5	17	<2.5	<5	<50	<5	<5	4.5	1600	<5	<5	<25	<5	<25	13	120	<5	<5	<5	<10

TABLE V
SUMMARY OF HISTORICAL VOLATILE ORGANIC COMPOUNDS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

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-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	<0.5
	7/13/1999	<0.5	<0.5	<0.5	**0.6**	<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	<0.5
	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	<0.5
	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
	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
	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	<0.5
	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	<0.5
	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
	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
	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
	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
	9/16/2002	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	**2**	**4**	**0.34J**	<1	<5	<1	<5	**1.1**	**10**	**0.98J**	<1	<1	<2
	3/26/2003	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	**1.8**	**3.3**	<1	<1	**5.6**	<1		**1.6**	**10**	**0.33J**	<1	<1	<2
	9/23/2003	<1	<1	<1	<1	<1		<10	<1	<1	**1.6**	**2.4**	<1	<1	<5	<1		**1.6**	**11**	<1	<1	<1	<2
TMW-15	3/3/1999	<0.5	<0.5	<0.5	**0.96**	<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	<0.5
	7/13/1999	<0.5	<0.5	<0.5	**1.5**	<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	<0.5
	6/22/2000	<0.5	<0.5	<0.5	**1.7**	<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
	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
	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
	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
	9/17/2002	<1	<1	<1	**0.46J**	<0.5	<1	<10	<1	<1	<0.5	**6.5**	**0.75J**	<1	<5	**1.2**	<5	<1	**25**	**4.4**	<1	<1	<2
	3/26/2003	<1	<1	<1	**0.58J**	<0.5	<1	<10	<1	<1	<0.5	**4.2**	**2**	<1	<5	<1		<1	**26**	**2.5**	<1	<1	<2
	9/23/2003	<1	<1	<1	**0.54J**	<0.5		<10	<1	<1	<0.5	**4**	**1.6**	<1	<5	<1		<1	**24**	<1	<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	<0.5
	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	<0.5
	6/22/2000			<0.5		<0.5				<0.5	<0.5					<2.5		<0.5			<0.5	<1	<0.5
	6/26/2000	<0.5	<0.5		**2.7**				<0.5			<0.5	<0.5	<0.5					**2.9**	**6.2**			
	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
	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
	9/16/2002	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	<0.5	<1	<1	<1	<5	**2.3**	<5	**1.1**	**1.7**	<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	<0.5
	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	<0.5
	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	<0.5	<1	<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
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
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
	3/27/2003	<12	<12	<12	**16**	<6.2	<12	<120	<12	<12	<6.2	<12	**29**	<12	<62	<12		**21**	**890**	<12	<12	<12	<25
Dup	3/27/2003	<12	<12	<12	**16**	<6.2	<12	<120	<12	<12	<6.2	<12	**41**	<12	<62	<12		**24**	**920**	<12	<12	<12	<25
XMW-09	3/21/2002	<25	<25	<25	<25	<12	<25	<250	<25	<25	<12	**1400**	<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	**1100**	<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
	3/28/2003	<2	<2	<2	**0.7J**	<1	<2	<20	<2	<2	<1	**86**	**0.75J**	<2	<10	<2		<2	**8.7**	<2	<2	<2	<4
Dup	3/28/2003	<2	<2	<2	<2	<1	<2	<20	<2	<2	<1	**86**	**0.73J**	<2	<10	<2		**0.6J**	**8.5**	<2	<2	<2	<4

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

DUP = Duplicate sample
ug/L = Micrograms per liter
< = VOC not detected above indicated reporting limit.
Detected VOCs in bold.

QA/QC: BB

Date: 11/26/03

TABLE VI
SUMARY FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

Well	Date Sampled	DO	ORP	pH	Conductivity	Temperature
		mg/l	mV		mS/cm	°C
WCC-3S	3/21/2002	0.10	-182	6.61	2.86	23.88
	3/27/2003	4.99	-85	6.57	1.35	26.63
WCC-4S	3/26/2002	3.63	-11	7.98	1.99	23.50
WCC-5S	3/21/2002	4.83	61	6.98	1.37	23.19
	9/16/2002	5.02	74	7.05	1.93	23.56
	3/25/2003	3.65	38	7.35	1.13	23.09
	9/23/2003	4.73	103	6.86	1.79	22.80
WCC-6S	3/26/2002	2.12	-137	7.89	2.20	24.00
	3/25/2003	3.16	-208	7.06	1.71	23.44
WCC-7S	3/25/2002	4.03	55	7.16	1.23	23.47
	3/28/2003	9.63	175	7.32	1.79	21.30
WCC-9S	3/22/2002	3.09	55	7.04	1.34	23.25
	3/26/2003	4.15	15	7.29	1.58	23.13
WCC-12S	3/25/2002	4.80	61	7.18	1.21	23.56
DAC-P1	3/27/2002	5.77	82	7.16	2.00	23.40
	9/19/2002	5.58	60	7.34	2.33	23.87
	3/28/2003	9.98	86	7.16	2.44	22.10
	9/24/2003	5.00	66	6.91	2.20	23.10
TMW-1	3/25/2002	6.32	98	6.93	5.20	23.47
	9/18/2002	2.80	59	7.26	3.25	23.54
	3/27/2003	6.62	80	6.65	5.37	23.52
	9/24/2003	3.63	36	6.71	4.88	22.80
TMW-2	3/26/2002	2.28	-113	7.79	2.84	22.50
	9/19/2002	0.16	-169	6.74	3.43	23.91
	3/28/2003	11.59	--	6.94	2.69	22.80
	9/24/2003	0.00	-202	6.60	3.34	22.70
TMW-4	3/26/2002	6.01	33	8.02	1.84	23.00
	9/18/2002	6.17	82	7.43	1.96	24.76
	3/27/2003	5.10	113	6.58	1.41	22.94
	9/24/2003	5.13	108	7.00	1.65	22.70
TMW-5	3/26/2002	6.53	-4	8.29	0.83	22.90
	9/18/2002	4.57	71	7.53	1.31	23.78
	3/28/2003	10.16	152	7.58	0.65	21.80
TMW-6	3/26/2002	7.37	139	6.56	1.62	22.60
	9/18/2002	4.52	89	7.50	1.93	22.76
	3/26/2003	6.07	120	7.42	1.61	22.84
	9/24/2003	4.75	38	7.02	1.72	22.20
TMW-7	3/26/2002	4.90	63	8.05	1.74	23.30
	9/18/2002	3.78	90	7.50	1.92	24.39
	3/27/2003	6.06	151	6.61	1.61	23.51
	9/24/2003	3.22	92	7.01	1.82	24.60
TMW-8	3/26/2002	2.99	-52	7.85	1.64	23.60
	3/28/2003	12.51	--	7.06	1.65	23.10
TMW-9	3/26/2002	6.21	36	8.15	1.29	23.40
	3/26/2003	5.66	124	7.45	1.52	23.64
TMW-10	3/21/2002	5.14	26	7.17	1.54	23.85
	9/16/2002	4.14	52	7.31	1.89	24.64
	3/26/2003	5.34	66	7.08	1.57	23.54
	9/23/2003	3.92	50	7.03	1.76	23.40
TMW-11	3/22/2002	2.27	56	6.92	1.81	23.60
	9/17/2002	2.76	63	7.08	1.92	25.07
	3/26/2003	4.46	54	7.05	1.65	23.72
	9/23/2003	2.34	30	6.82	1.92	24.20
TMW-14	3/22/2002	5.26	38	6.79	3.30	23.43
	9/16/2002	5.52	77	7.04	3.41	24.68
	3/26/2003	5.57	64	6.97	3.40	23.81
	9/23/2003	5.59	78	6.70	3.90	23.20

TABLE VI
SUMARY FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

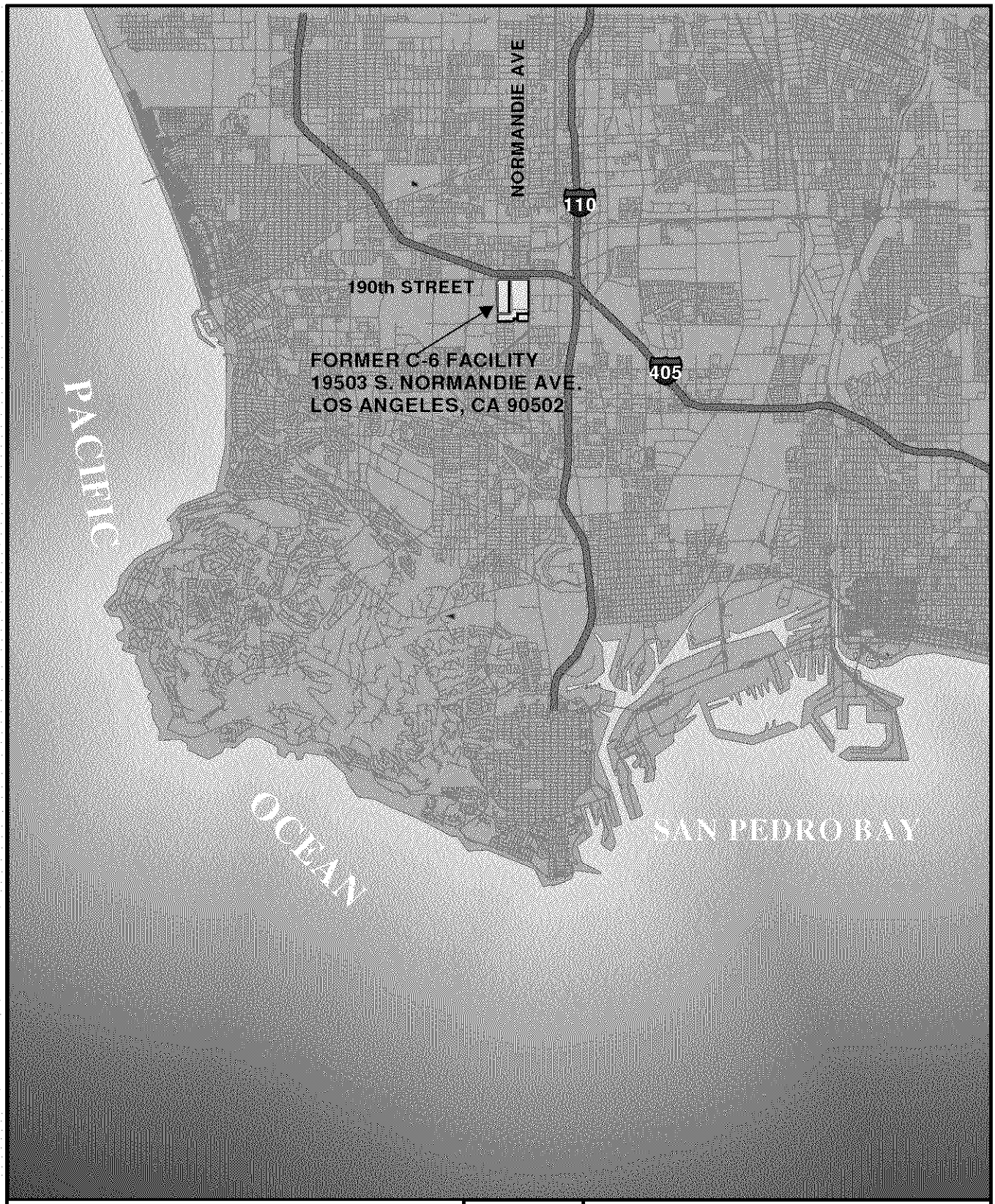
Well	Date Sampled	DO	ORP	pH	Conductivity	Temperature
		mg/l	mV		mS/cm	°C
TMW-15	3/22/2002	3.29	-83	7.16	0.94	23.78
	9/17/2002	4.49	-5	7.44	1.40	24.94
	3/26/2003	4.34	7	7.22	1.17	24.32
	9/23/2003	3.02	-82	7.11	1.31	23.30
BL-3	3/26/2002	7.77	115	7.58	3.30	23.40
	3/27/2003	7.32	83	6.36	2.75	23.18
XMW-09	3/21/2002	0.25	36	6.60	1.81	23.53
XMW-19	3/22/2002	4.39	24	7.04	1.56	23.47
	3/28/2003	12.38	142	7.29	1.65	23.60

Notes:
DO = Dissolved Oxygen
ORP = Oxidation Reduction Potential
mg/l = milligrams per liter
mV = millivolts
mS/cm = millisiemens per centimeter
°C = Degrees celsius

QA/QC: BB

Date: 11/26/03

FIGURES



N

2 1 0 2 Miles

28882-002

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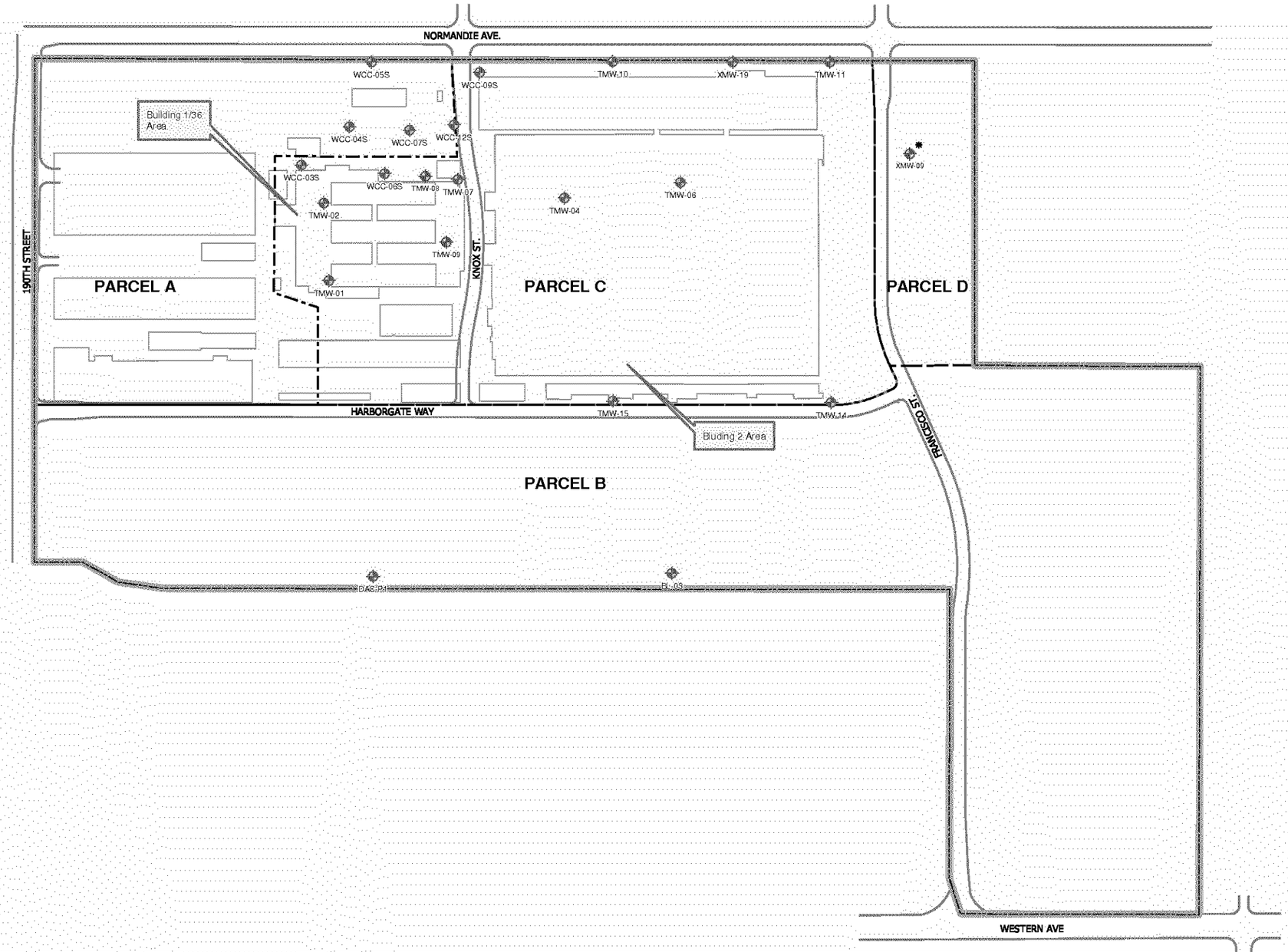
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE 1

SITE LOCATION PLAN

SCALE AS SHOWN



Legend

WCC-6S — Groundwater Monitoring Well Location

TMW-02 — Groundwater Monitoring Well Sampled in September 2003

Property Boundary

Parcel Boundary

Former Building Location

* Groundwater Monitoring Well Inaccessible During Semiannual Sampling Event

N

All Locations and Dimensions are Approximate

0 200 400 800 Feet

28882-101

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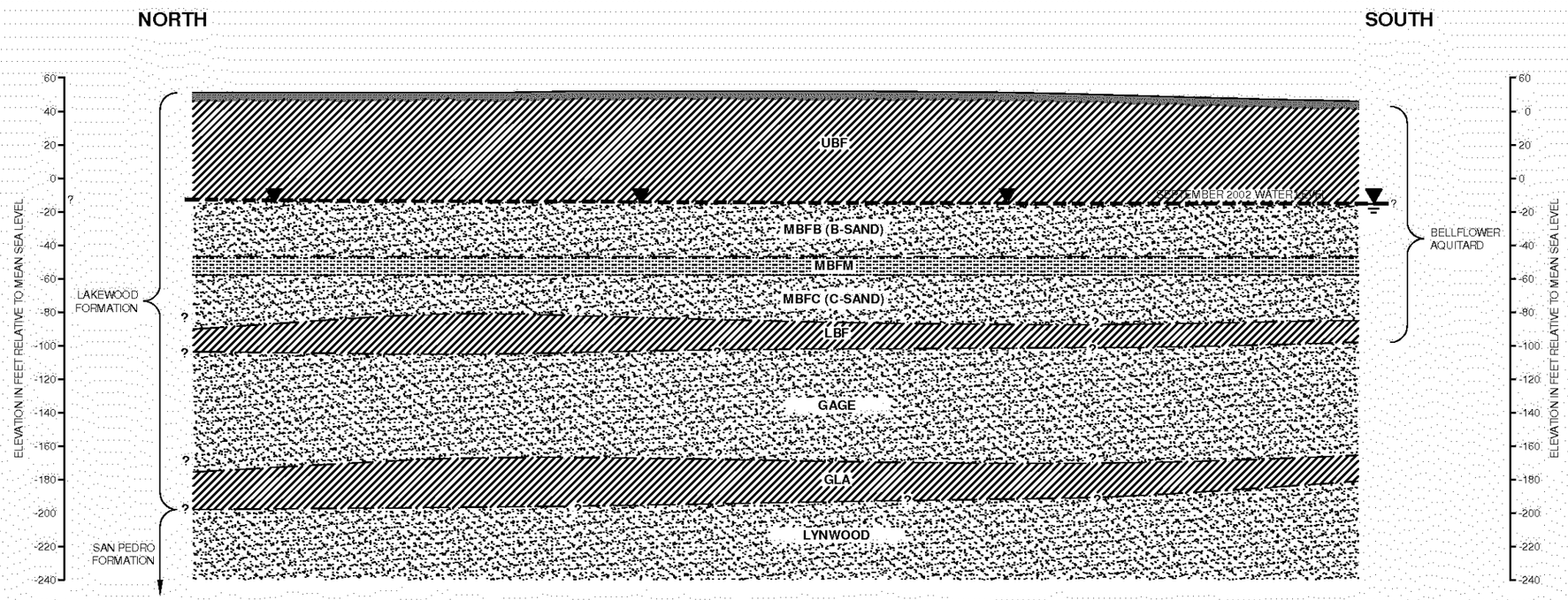
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE 2

SITE PLAN SHOWING GROUND-WATER MONITORING WELL LOCATIONS - SEPTEMBER 2003

SCALE AS SHOWN

NOVEMBER 2003

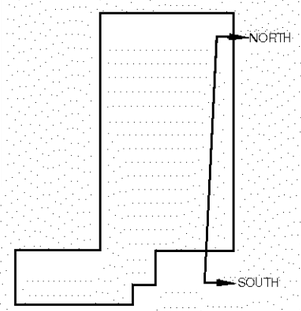


STRATIGRAPHIC UNITS

UBF	UPPER BELLFLOWER AQUITARD
MBFB	MIDDLE BELLFLOWER B SAND
MBFM	MIDDLE BELLFLOWER MUD
MBFC	MIDDLE BELLFLOWER C SAND
LBF	LOWER BELLFLOWER AQUITARD
GAGE	GAGE AQUIFIER
GLA	GAGE-LYNWOOD AQUITARD
LYNWOOD	LYNWOOD AQUIFIER

LEGEND

- HISTORIC - ARTIFICIAL FILL, SLABS, AND PAVEMENT OF VARYING DEPTHS
- HYDROSTRATIGRAPHIC UNIT BOUNDARY, DASHED WHERE INFERRED
- WATER LEVEL
- PREDOMINANTLY FINE-GRAINED CLAY, SILT, CLAYEY SAND
- PREDOMINANTLY SAND
- MUD



CROSS SECTION LOCATION MAP

0 400 800 FEET

APPROXIMATE HORIZONTAL SCALE

ALL DIMENSIONS AND LOCATIONS APPROXIMATE

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

FIGURE 3

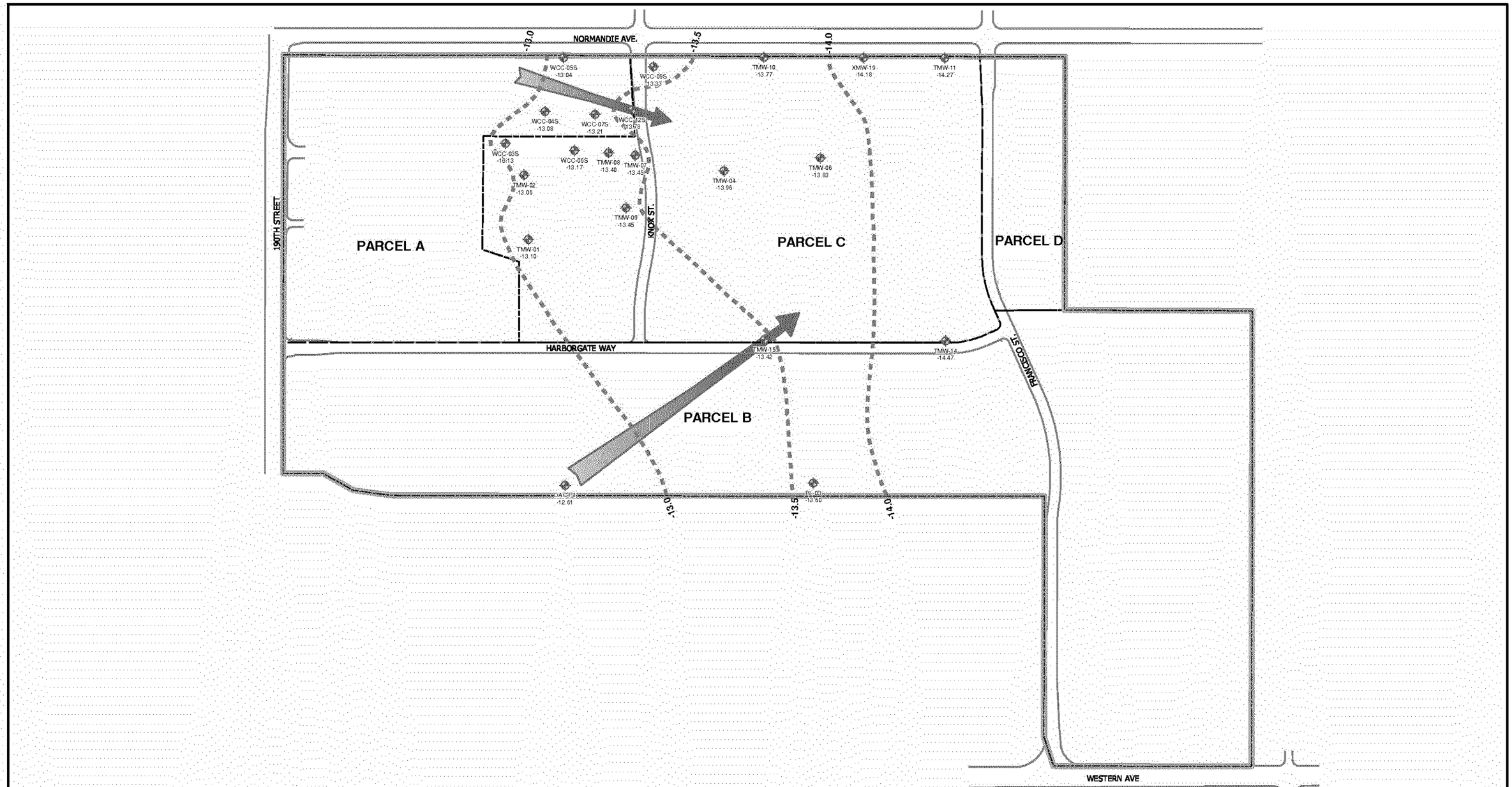
GENERALIZED GEOLOGIC CROSS-SECTION

SCALE: AS SHOWN

NOVEMBER 2003

28882B01-AC

NOTE:
DATA FOR XLW-01 AND XEB-08 IS FROM DAMES AND MOORE, 1998 GROUNDWATER REMEDIAL INVESTIGATION REPORT



Legend

- TMW-02 — Groundwater Gauging Locations
- Property Boundary
- Parcel Boundary
- Groundwater Elevation Contour (feet)
- Approximate Groundwater Flow Direction

N

All Locations and Dimensions are Approximate

0 200 400 800 Feet

28882-101

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UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

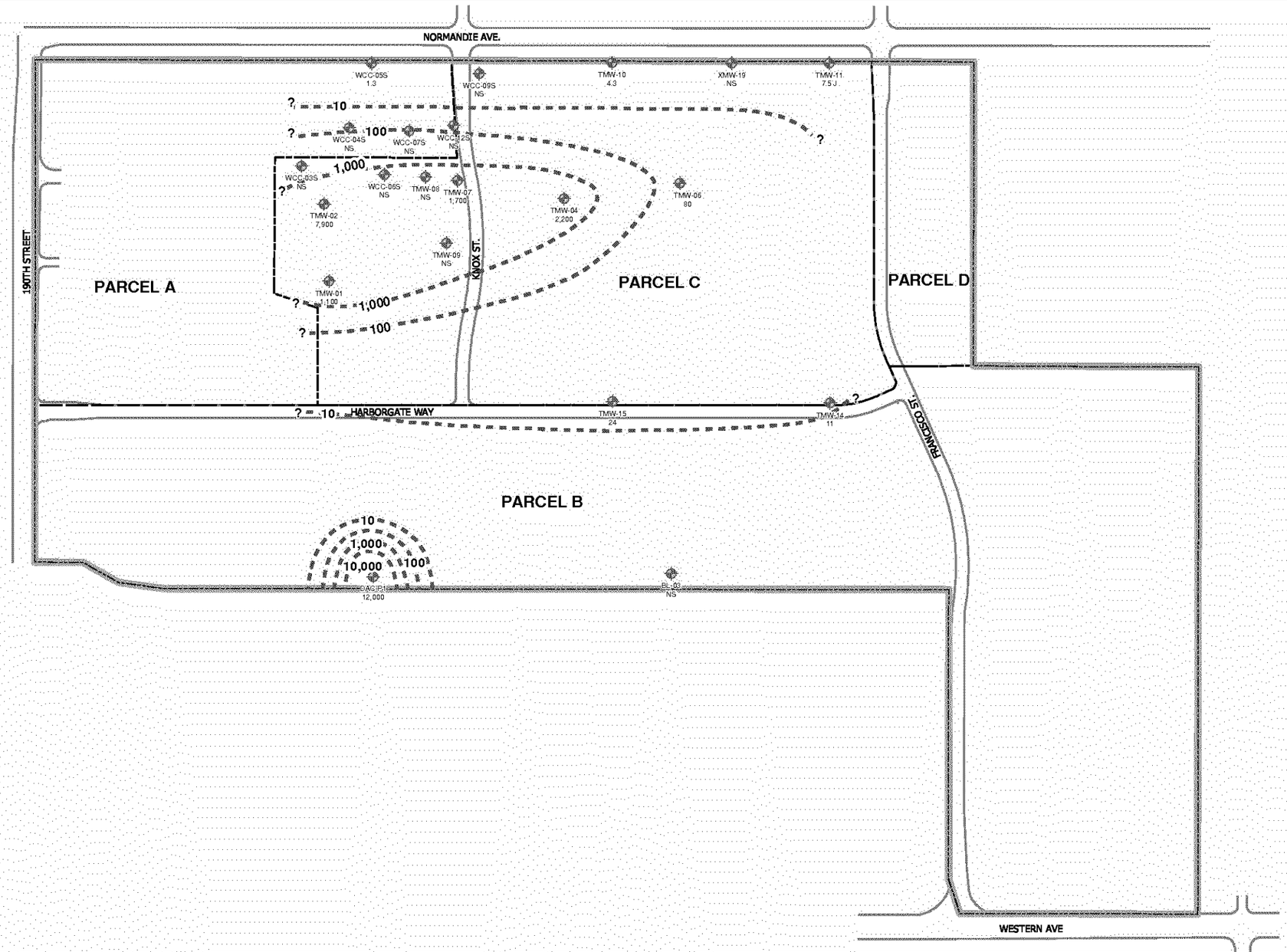
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE 4

GROUNDWATER ELEVATION MAP - SEPTEMBER 2003

SCALE AS SHOWN

NOVEMBER 2003



Legend

TMW-08 Groundwater Monitoring Well Location

TMW-02 Groundwater Monitoring Well Sampled in September 2003

Property Boundary

Parcel Boundary

TCE Isoconcentration Contour in ug/L

NOTES:
TCE = Trichloroethene
MBFB = Middle Bellflower B-sand
NS = Not Sampled
J = Estimated Value

N

All Locations and Dimensions are Approximate

0 200 400 800 Feet

28882-101

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UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

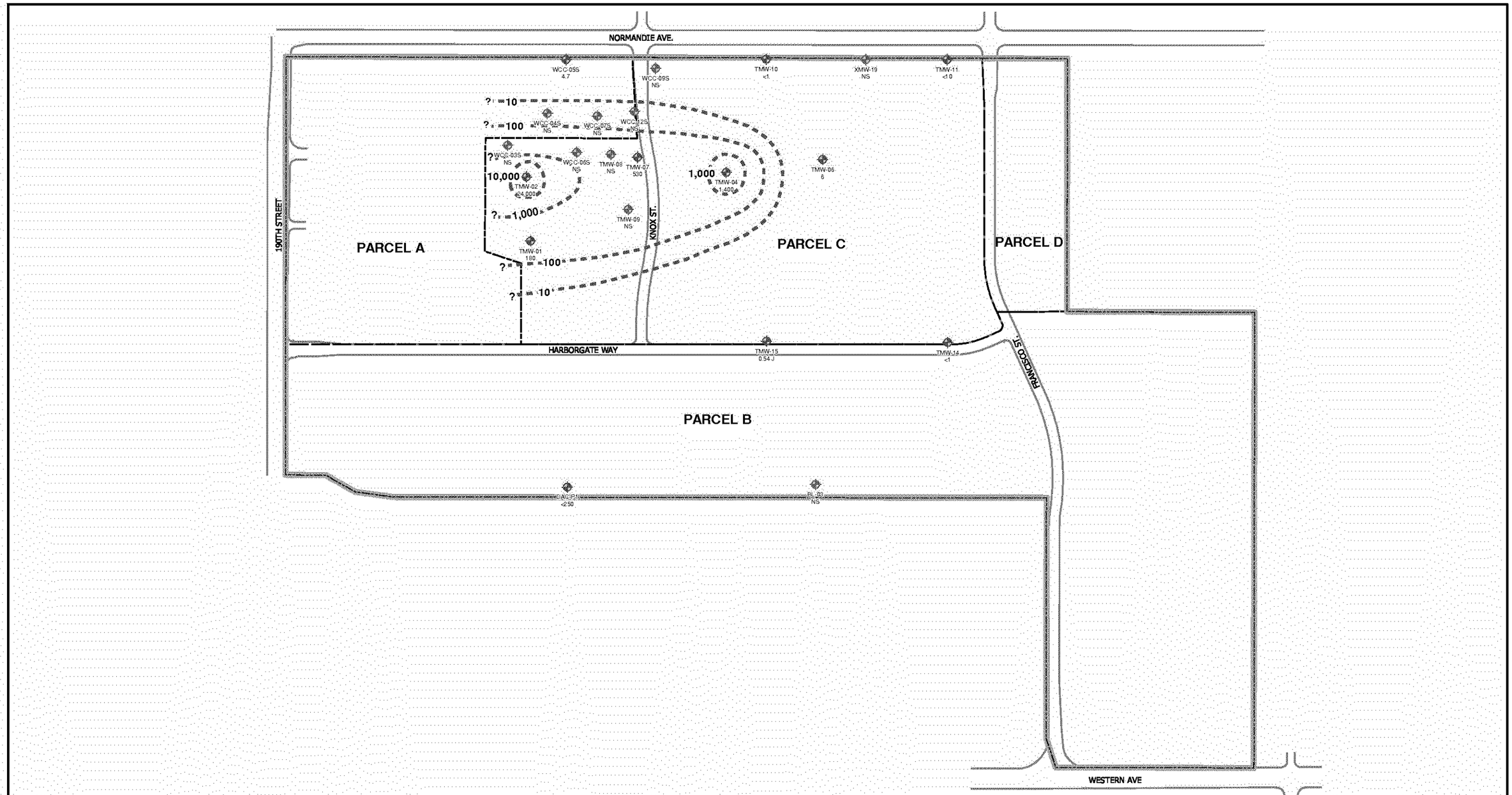
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE 5

TCE DISTRIBUTION IN MBFB GROUNDWATER - SEPTEMBER 2003

SCALE AS SHOWN

NOVEMBER 2003



Legend

TMW-08 — Groundwater Monitoring Well Location

TMW-01 — Groundwater Monitoring Well Sampled in September 2003

Property Boundary

Parcel Boundary

1,1-DCE Isoconcentration Contour in ug/L

NOTES:
1,1-DCE = 1,1- Dichloroethene
MBFB = Middle Bellflower B-Sand
NS = Not Sampled
J = Estimated Value

N

All Locations and Dimensions are Approximate

0 200 400 800 Feet

28882-101

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

FIGURE 6

1,1-DCE DISTRIBUTION IN MBFB GROUNDWATER SEPTEMBER 2003

SCALE AS SHOWN

NOVEMBER 2003

APPENDIX A

Field Data

FIELD DATA REPORT

September 2003 Semi-Annual Groundwater Sampling Event

Former C-6 Facility
Torrance, California

Prepared By:

Tait Environmental Management, Inc.
701 N. Parkcenter Drive
Santa Ana, California 92705

November 13, 2003

Submitted To:

Mr. Robert Scott
Boeing Realty Corporation
3855 Lakewood Boulevard
Building 1A MC D001-0097
Long Beach, CA 90846

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

November 13, 2003

VIA: E-Mail

Mr. Robert Scott
Boeing Realty Corporation
3855 Lakewood Boulevard
Building 1A MC D001-0097
Long Beach, CA 90846

Subject: Field Data Report for the September 2003 Semi-Annual Groundwater Sampling Event, Former C-6 Facility, Torrance, California.

Dear Mr. Scott:

This letter summarizes and presents the field data collected during groundwater gauging and sampling during the September 2003 Semi-Annual Groundwater Sampling Event at the Former C-6 Facility in Torrance California. The groundwater gauging and sampling activities were performed in accordance with the following:

- *Proposal to Perform Semi-Annual Groundwater Monitoring Activities at the Boeing Realty Corp., Former C-6 Facility in Torrance, California, Dated: September 19, 2003*
- *Standard Operating Procedures, Groundwater Monitoring Services, Final Draft, Dated April 2003.*
- *Email from Paul Sones, Haley & Aldrich, dated September 15, 2003.*

The following is a brief summary of our field activities:

- A total of 21 monitoring wells were gauged on September 22, 2003. Tait technicians in the field were unable to locate well number XMW-09 and later verified with Jeremy Squire of Haley & Aldrich that this well was abandoned for construction of an office building.
- A total of 11 wells were sampled between September 23rd and September 24th, 2003 with a total of 18 samples being sent to STL laboratories including QA/QC samples.

Please contact the undersigned at (714) 560-8200, if you have any questions or comments. TEM is pleased to be of continued service to Boeing Realty Corporation.

Sincerely,

Tait Environmental Management, Inc.

Nitya Chandran
Project Engineer

Mehmet Pehlivan, RG, CHG
Senior Hydrogeologist

Attachments:

A: Proposal, Standard Operating Procedures, Email from Paul Sones.
B: Daily Field Reports and Daily Health & Safety Sign Off Sheets
C: Gauging Data Table
D: Chain of Custody Records and Groundwater Sampling Data Sheets

APPENDIX A

September 19, 2003

Mr. Robert P. Scott
Boeing Realty Corporation
Building 1A, MC D001-0097
3855 Lakewood Boulevard
Long Beach, CA 90846

RE: PROPOSAL TO PERFORM SEMI-ANNUAL GROUNDWATER MONITORING ACTIVITIES AT THE BOEING REALTY CORPORATION, FORMER C-6 FACILITY IN TORRANCE, CALIFORNIA

INTRODUCTION

Tait Environmental Management Inc. (TAIT) has prepared this proposal to perform groundwater monitoring activities at The Boeing Realty Corporation (BRC), Former C-6 Facility (Site) in Torrance, California. The estimated project total cost for the semi-annual monitoring is **$6,183.10** if all Key Performance Indicators (KPI) are met. The budget detail is presented in Table 1.

Groundwater monitoring activities are to be conducted at the Site in September 2003. Groundwater sampling activities will be performed according to the followings:

- *Groundwater Monitoring Workplan 2003*, Boeing Realty Corporation, Former C-6 Facility, Haley & Aldrich, Inc., December 9, 2002,
- Revised *Table 2 – 2003 Groundwater Monitoring Workplan – Analytical Program*, Haley & Aldrich, Inc., March 4, 2003,
- Haley & Aldrich Facsimile dated August 28, 2003, and
- TAIT's approved *Standard Operating Procedures (SOP's)* dated September 2002.

GROUNDWATER MONITORING PROGRAM OBJECTIVES

TAIT's objectives in performing the groundwater monitoring services (GMS) for the Site include:

- Collect and maintain high quality groundwater gauging and sampling data in accordance with the Groundwater Monitoring Workplan and SOP's.

SCOPE OF WORK

TAIT will provide the following tasks:

- Groundwater Monitoring and Sampling (September 2003).
- Documentation and coordination of Investigation Derived Waste (IDW).
- Prepare timely electronic submittal of field data to specified parties.

SCHEDULE

Tait Environmental Management, Inc. estimates that the fieldwork will be completed in ten (10) working days as presented below:

September 2003 Annual Groundwater Monitoring Event

- Gauge 22 onsite/offsite groundwater monitoring wells (1 day).
- Purge and sample 11 groundwater monitoring wells (2 days).
- Prepare Field Data Report and submit electronic data to Portal.

ASSUMPTIONS

- Cost associated with the transportation and disposal of IDW will be direct billed to BRC.
- Accessibility will not be an issue.
- Purging and sampling activities will be performed using a 2-inch diameter submersible pump (Grundfos) and dedicated tubing for 2-inch or 4-inch diameter wells. Smaller diameter wells (0.75-inch diameter) will be purged using a check-valve lift pump (Waterra) and dedicated tubing. Groundwater samples will be collected from the discharge end of the pump at a rate slow enough to prevent sample agitation (<0.2 gpm).
- Out-of-scope activities will be approved in advance and billed to BRC on a time and materials basis, based on TAIT 's approved Rate Schedule.

BUDGET

The total estimated cost for the scope of work will be based on key performance related goals. The goals are divided as follows:

Cross-Contamination

Samples should be free of any suspect cross-contamination

- Follow sampling schedule strictly per Groundwater Monitoring Plan.
- Pay attention to and thoroughly follow decontamination methodologies between each well sampled.
- Situate generators, automobiles, and fuel supplies apart from well and sampling equipment (preferably down-wind from sampling location).
- Change decontamination water daily and for every five (5) wells sampled.
- Record source of decontamination water and collect a QA blank to verify quality.

Sample Collection and Field Documentation

Field measurements should be consistent with previous sampling events.

- Review previous sampling data prior to and during the sampling event to ensure consistency.
- Ensure all field equipment (water level meter, water parameter meter, pumps) are operating properly and have been calibrated at the start of each sampling day.
- Gauge wells three (3) times to obtain a correct measurement with no variability and record on field forms.
- Record the water level in all wells during purging (every ½ wetted-casing volume removed). Select correct diameter water level meter for smaller diameter wells.
- Pumping rate should be consistent throughout purge. Wells should not be purged at a rate of more than 2.0 gpm for 4-inch diameter wells and less than 1.0 gpm for 2-inch diameter wells.
- Record pump intake depth on field forms.
- Water parameter readings should be recorded every ½ wetted-casing volume removed. Pumping should continue until parameters have stabilized to within 10%.
- Pumping rate during sample collection should be lowered to 0.2 gpm to minimize sample agitation.
- Ensure samples are being collected in the correct type and number of containers with the correct preservation.

Chain of Custody Documents

- Review the required laboratory analysis for each well prior to sampling.
- COC and sample labels should be filled out at the sample location prior to sampling the next well.
- Sample label information should match that reported on the COC.
- COC's and sample labels should be legible.
- QA/QC audits to be performed in the field by Lou Reimer (TAIT).

Document Transmittal

- Field data sheets will be transmitted to specified parties within three (3) working days.
- Field data will be uploaded within three (3) days to BRC Portal tracking system.

In an effort to provide BRC with the highest quality of performance during the March 2002 Sampling Event, TAIT has established performance based percentages for each of the above four (4) KPI. TAIT will guarantee all work is performed up to and above the standards set forth in this proposal. If work is not performed up to the desired standards, TAIT will deduct percentages from the budget for each of the above KPI that are not met according to this proposal. Additionally, if performance goals are met (zero tolerance) to desired standards BRC would honor and add bonus percentages for the attached budget with no performance related deductions. Following are the performance-based incentives:

Cross Contamination

- No samples are suspected of cross-contamination (no tolerance). BRC will add 4% to the approved base unit costs.

- One or more of the samples are suspected of cross-contamination. TAIT will deduct 4% from the approved base unit costs and resample the well(s) at no additional cost to BRC

Sample Collection and Field Documentation

- All samples are collected correctly and field documentation is consistent (zero tolerance). BRC will add 4% to the approved base unit costs.

- One or more of the samples are suspected of incorrect collection methodologies and/or field documentation is inconsistent. TAIT will deduct 4% from the approved base unit costs and resample the well(s) at no additional cost to BRC.

Chain of Custody

- All COC's are properly prepared, consistent, and submitted with samples to the laboratory (zero tolerance). BRC will add 1% to the approved base unit costs.

- One or more of the COC's submitted to the laboratory are incorrectly prepared and inconsistent. TAIT will deduct 1% from the approved base unit costs and submit corrected COCs at no additional cost to BRC.

Document Transmittal

- All field documents and sample logs are prepared correctly and/or are submitted on time (zero tolerance). BRC will add 1% to the approved base unit costs.

- One or more of the field documents and sample logs are not prepared correctly and/or are not submitted on time. TAIT will deduct 1% from the approved base unit costs and submit corrected field documents and sample logs within 1 week following the due date.

BRC will make the final determination of whether the KPIs have been satisfactorily achieved. Unit cost estimate and KPIs are presented in Table 1.

CLOSURE

Should you have any questions or comments regarding this proposal, please contact the undersigned at (714) 560-8200, at your convenience. TAIT is pleased to be of continued service to The Boeing Realty Corporation.

Very truly yours,

TAIT ENVIRONMENTAL MANAGEMENT, INC.

M. Pehlivan

Mehmet Pehlivan, CHG, RG
Senior Project Manager

Attachments:

Table 1 - Proposed Budget Detail

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

TABLE-1: PROPOSED BUDGET DETAIL

September 2003 Semi-Annual Groundwater Monitoring Event
Boeing Realty Corporation, Former C-6 Facility, Torrance, California

Task	Description	Unit Costs	Units	Number	Subtotal	Comments
1.1	Field Data QA/QC, Data Entry, and Upload Boeing Portal - *Technical Secretary (12 Hours @ $45.00 Per Hour)*	$540.00	Fixed Fee	1	$540.00	
1.2	Project Management and Start-Up - *Project Geologist (8 Hours @ $90.00 Per Hour)*	$720.00	Fixed Fee	1	$720.00	
1.3	Field Data Report (Electronic & CD) - *Project Geologist (8 Hours @ $90.00 Per Hour)*	$720.00	Fixed Fee	1	$720.00	
1.4	Natural Attenuation Monitoring: Gauging, Purging and Sampling Groundwater	$297	Per Well	0	$0.00	
1.5	Gauging, Purging and Sampling Groundwater	$197	Per Well	11	$2,167.00	
1.6	Gauging	$67	Per Well	22	$1,474.00	
				Subtotal	$5,621.00	
	Key Performance Indicators (Zero Tolerance)					
	Cross Contamination	$224.84	KPI 1 4%	1	$224.84	
	Sample Collection and Documentation	$224.84	KPI 2 4%	1	$224.84	
	COC Documents	$56.21	KPI 3 1%	1	$56.21	
	Electronic Transmittals	$56.21	KPI 4 1%	1	$56.21	
				Subtotal	$562.10	
	Additional Work†					
	Well Tubing Replacement	$60	per well	0	$0.00	
	Well Caps & Labor	$45	per well	0	$0.00	
	Well Locks & Labor	$45	per well	0	$0.00	
				Subtotal	$0.00	
			PROJECT TOTAL		**$6,183.10**	

†Boeing Realty Corporation will only be billed for the actual amount of additional work performed.

Boeing Realty Corporation
Former C-6 Facility
Groundwater Monitoring Services
Standard Operating Procedures

April 1, 2003

Tait Environmental Management, Inc.
Santa Ana, California

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APPENDICES

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APPENDIX B	Groundwater Monitoring Field Data Sheet
APPENDIX C	Laboratory Task Order Form
APPENDIX D	Standard Operating Procedures for Measuring Natural Attenuation Parameters
APPENDIX E	Statement of Work for Evaluation of Natural Attenuation

Boeing Realty Corporation
Former C-6 Facility
19503 South Normandie Avenue
Los Angeles, California

Groundwater Monitoring Services
Standard Operating Procedures

1.0 INTRODUCTION

Tait Environmental Management Inc. (TAIT) was contracted by Boeing Realty Corporation (BRC) to provide groundwater monitoring services (GMS) for the BRC, Former C-6 Facility (SITE), Los Angeles, California. The GMS will be performed in accordance with the Groundwater Monitoring Work Plan 2000 prepared by Kennedy / Jenks Consultants, on December 15, 2000, and the TAIT proposal dated December 21, 2000. The Standard Operating Procedures (SOP) meets the guidelines set forth by the Environmental Protection Agency (EPA), and the Los Angeles Regional Water Quality Control Board (LARWQCB). The SOP includes pre-field activities and notifications, the methodology for sample collection, decontamination procedures, data recording and quality control in the field, and integration of the data into project-specific templates for electronic data deliverables (EDDs).

The SOP is an "evergreen" document that will be revised as further investigations are conducted.

2.0 GROUNDWATER MONITORING PROGRAM OBJECTIVES

TAIT's objectives in performing the GMS for the SITE include:

- Collect and maintain high quality groundwater gauging and sampling data; and
- Integrate the ongoing groundwater investigation by other consultants into the GMS project.

3.0 STANDARD OPERATING PROCEDURES (SOP)

3.1 Pre-Sampling Procedures

TAIT will review the Groundwater Monitoring Workplan and data from the previous quarterly groundwater monitoring activities conducted at the SITE.

A SITE-specific health and safety plan (HSP) will be prepared to cover the proposed scope of work. The HSP is designed to minimize exposure of TAIT personnel and any subcontractors to potentially hazardous materials.

The HSP will be prepared under the direction of the TAIT Corporate Health and Safety Manager and will be implemented in the field by TAIT personnel.

TAIT will notify the following individuals and organizations for access to on and off-site groundwater monitoring wells belonging to BRC and Montrose Chemical:

- BRC, Former C-6 Facility Site access notification (562) 618-6305 John Marasco
- Montrose Chemical, Site/Well Access contact (209) 474-3617 Paul Sunberg and (after informing Paul) Grant Williams -- Earth Tech (562) 951-2082

In addition, TAIT will notify Stephanie Sibbett with BRC, the Project Groundwater Consultant (PGC) and Project Natural Attenuation Monitoring Consultant (PNAMC) at least two weeks prior to any field activities.

TAIT will be responsible for coordinating and arranging for sample pickup services directly with the Project Analytical Laboratory (PAL). TAIT will utilize the Laboratory Task Order (LTO) form to communicate with the PAL the necessary quantity and type of sampling containers needed for the required analysis.

3.2 Field Instrument/Equipment Inspection and Calibration

Sampling and analysis generally requires the use of varied equipment and tools in the gathering of environmental data. All field equipment will be inspected prior to use in the field to determine if it is adequate for the media, parameters to be sampled, and the tests to be performed. Data will be generated onsite through the use of real-time equipment, such as a MiniRAE™ or Photovac™ photoionization detector (PID), a Hydac™ or Horiba™ pH, conductivity, temperature, turbidity and dissolved oxygen (DO) detector and flow through cell. TAIT will use Solinst™ or Heron™ electronic water and product level detector.

The field-testing equipment will be examined to ensure that it is in working condition and properly calibrated. The calibration of field instruments will be performed according to the protocol and schedule specified by the manufacturer's operating manual. Additional calibration will be performed as field conditions dictate.

3.3 Field Documentation

TAIT personnel will record field activities in ink, on a preprinted form. For each sampling event, the field team will record the site name and location, date, sampling start and finish times, names of field personnel, names for visitors to the site, level of protection, documentation of field activities including any deviation from protocol, and signatures of field personnel.

TAIT personnel will document the exact location and time the sample was taken, any measurements made (with real-time equipment), physical description of the sample, sample number, depth, volume, type of sample, and the equipment used to collect the sample.

Samples will be labeled in the field. Labels will include sample location, sample number, date and time of collection, sample type, sampler's name, and method used to preserve the sample, if applicable.

3.4 Decontamination Procedures

All down well equipment will be decontaminated between each well. Decontamination procedures include using a non-phosphate detergent wash, two potable water rinses followed by a distilled water rinse or a steam cleaner/high pressure wash and air dry using an oil-less compressor. Decontamination water will be stored on-site in 55-gallon drums pending receipt of laboratory analytical data for subsequent disposal. During purging, the purged water will also be stored in 55-gallon drums.

3.5 Gauging Activities

A PID will be used to measure volatile organic compounds (VOC's) at each wellhead before gauging. The depth to water and total depth will be measured with an electronic water level indicator or an interface probe relative to the fixed measuring point on each well casing. If a sheen is suspected, its presence will be verified visually using a clear disposable bailer. The total depth of the well will not be measured to prevent possible cross-contamination from the tape, if any measurable liquid phase hydrocarbons (LPH) or sheen are encountered. Measurements for each well will be recorded on a well gauging data sheet (WGDS) or, if sampled, on a groundwater monitoring field data sheet (GMFDS, Appendix A and B).

3.6 Monitoring Well Purging and Sampling Activities

The wells will be sampled in order from the least contaminated to the most contaminated based on previous groundwater monitoring data. A PID will be used to measure volatile organic compounds (VOC's) at each wellhead before purging and sampling. The depth to water will be measured with an electronic water level indicator or an interface probe relative to the fixed measuring point on each well casing. The depth to groundwater will be recorded on GMFDS, and the well casing volume and total purge volume will be calculated. The well will not be purged or sampled if measurable LPH or sheen is present.

A minimum of three (3) well casing volumes will be purged from each monitoring well. Groundwater physical parameters for pH, conductivity, temperature, dissolved oxygen, and turbidity will be recorded on the GMFDS for each well volume removed. Purging will continue to

five (5) well casing volumes if the physical parameters do not stabilize to within a 10% variation for three (3) consecutive readings. If three (3) well casing volumes cannot be purged from the well due to the well going dry, purging will be terminated and the well will be allowed to re-charge to 80% of pre-purge levels prior to sampling.

Well purging will be performed using a 2-inch downhole submersible pump with dedicated discharge lines for each well or hand bailing where applicable. The purge water will be pumped into 55-gallons drums for subsequent disposal.

Following purging, each well will be sampled using factory-new disposable bailers, a stainless steel bailer or from the dedicated lines after the purging. Groundwater samples will be collected in the laboratory-supplied containers as stated on the laboratory task order forms (LTO's, Appendix C).

The samples will be labeled and identified under proper chain-of-custody protocol, and placed in a cooler and maintained below 4° Celsius, pending transport to the project analytical laboratory (PAL).

All down well equipment will be decontaminated in accordance with procedures described in the Section 3.4 - Decontamination Procedures.

3.7 Natural Attenuation Monitoring and Sampling

Select groundwater monitoring wells will be sampled for natural attenuation (NA) parameters. The project NA consultants, England Geosystems and Haley &Aldrich, prepared a standard operating procedures for NA monitoring and sampling (NA-SOP) in accordance with the Statement of Work Prepared (NA-SOW) by Exponent. This NA-SOP will be used for collecting NA parameters and groundwater samples for NA in the field. A copy of the NA-SOP and NA-SOW is attached for reference and use in the field (Appendix D and E).

3.8 Waste Disposal

All decontamination water and purged groundwater will be stored in Department of Transportation (DOT)-approved 55-gallon drums. The drums will be stored on-SITE in a location determined by BRC prior to the sampling event. All manifesting, transportation, and disposal of the decontamination and purged groundwater will be handled by American Integrated (AI) under direct contract to BRC. Following is the contact at for disposal services at BRC:

- Marcia Taleff, BRC (562) 496-6524

3.9 Reporting Deliverables

TAIT will enter the collected field data into EDDs. The data will be forwarded to the Project Data Management Company (PDMC) and the PGC in electronic format via electronic mail, ftp transfer to the web-enabled portal or electronic media (CD-ROM or floppy disk) shipment. TAIT will submit electronic and paper copies of field reports and the completed GMFDS to PDMC and PGC. A field report including all field data will be prepared after the completion of the field work and submitted to BRC.

4.0 QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

TAIT has established Quality Assurance/Quality Control (QA/QC) procedures for all projects. This document addresses oversight of cleanups, data quality, data management, sampling protocol, and sampling procedures. The QA/QC program pertaining to the scope of work is described below:

4.1 Personnel Qualifications and Training

Maintaining a high degree of quality and consistency among staff and supervisors is accomplished through the following activities:

- Employee Evaluations: Each employee is evaluated yearly based on employee performance standards prepared the previous year by the employee with approval from the supervisor. The performance standards describe specific measures of performance associated with each task performed by the employee.

- In-House Training: Staff is trained in-house so that the staff is knowledgeable in hazardous waste and environmental regulations. All staff are continually updated and trained on projects and changes through weekly meetings conducted by the project supervisor.

- Extension Courses and Conferences: All staff is encouraged to attend extension courses, seminars, and symposia, to maintain and expand their level of competence in environmental activities.

Quality improvements are planned and implemented using corrective and preventive actions. The technical support supervisor or other relevant personnel shall be responsible for identifying and implementing corrective actions necessary to address project-related problems. Preventive action is necessary if the problem is indicative of a systematic or organizational failure. The following steps will be taken when corrective and preventative actions are necessary.

- Statement of nonconformance with project requirements
- Identification of the root cause of the problem
- Steps taken to fix the problem (corrective action)

- Steps taken to prevent a recurrence of the problem (preventive action)
- Follow-up to verify that preventive action is in place and effective

4.2 Quality Control in the Field

The project manager and/or QA/QC manager will review all field notes. If any inconsistencies are observed in GMFDS or field daily reports, a thorough evaluation of the event that occurred at the time of sampling will be performed and discussed with the field personnel. If corrective action, such as re-sampling or re-gauging is necessary BRC will be notified prior to taking such action. The official field daily reports and data sheets will contain documentation of field activities that involve the collection and measurement of environmental data.

4.3 Quality Control in the Laboratory

Quality control in the laboratory will be performed in accordance with the following documents:

- Groundwater Monitoring Workplan 2000, dated December 15, 2000 by Kennedy/Jenks Consultants,
- Statement of Work for Evaluation of Natural Attenuation at Boeing Realty Corporation, Former C-6 Facility, Torrance, California prepared by Exponent
- Standard Operating Procedures for Measuring Natural Attenuation Parameters at Boeing Realty Corporation, Former C-6 Facility.

THIS DOCUMENT WILL BE CARRIED BY ALL FIELD PERSONNEL PERFORMING THE WORK AT ALL TIMES. ANY SITE SPECIFIC MODIFICATION WILL BE DISCUSSED WITH PROJECT MANAGER OR ON SITE LEAD PROFESSIONAL BEFORE IMPLEMENTING.

Mehmet Pehlivan

From: Sones, Paul [PRS@haleyaldrich.com]

Sent: Monday, September 15, 2003 2:01 PM

To: Mehmet Pehlivan

Subject: Groundwater Sampling at Boeing C-6 site

Mehmet:

I wanted to touch base with you regarding sampling at the C-6 site scheduled for Monday (9/22/03).

Our site supervisor Jeremy Squires has confirmed that all 22 wells scheduled for gauging (including the 11 scheduled for sampling) are accessible, but you may need a machete to clear close vegitation.

The order in which the wells should be sampled is identified on that table I faxed you on 8/28, but since two wells were abandoned and we are only sampling 11 wells this time around, here is the sampling order you should follow:

WCC-5S, TMW-10, TMW-11, TMW-14, TMW-15, TMW-06, TMW-01, TMW-04, TMW-07, TMW-02, and DAC-P1

That table indicated that 4 wells should also be tested for DO and ORP, but I think that is in error and only TMW-06 and TMW-11 should have the DO and ORP recorded (not XMW-09 and XMW-19 since you will not be collecting a sample from these two wells).

According to the workplan, rinsate blanks, field blanks, travel blanks, and decon water blanks should be collected each field day.

The work plan specifies that the purge rate for the wells should not exceed 2 gpm for 4-inch wells, and 1 gpm for 2-inch wells.

The pumping rate should be set less than 0.1 gpm during sample collection and recorded on the sampling logs.

Thanks for your efforts. If you have any questions, please call me.

Thanks

Paul R. Sones, R.G.
Senior Hydrogeologist
Haley and Aldrich, Inc.
9040 Friars Road, Suite 220
San Diego, California 92108-5860
(619) 285-7102 Direct Office No.
(619) 280-9210 Office
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www.HaleyAldrich.com

HALEY & ALDRICH

Fax Transmittal Sheet

Date 8/28/03
File Number 28882-602
From Paul Sones

To Tait
Attention Mehmet Pehlivan
Fax Number
Page 1 of 1

Message Here is the table showing the wells to be sampled in September at the Boeing C-6 site. I will have our field Tech look into current access to this wells. Please confirm your schedule with me in the near future.

Paul Sones
619-285-7102 direct
619-871-9024 cell

Please call 619.280.9210 if there is a problem with this fax transmission.

Table 2
2003 Groundwater Monitoring Workplan - Analytical Program
Boeing Realty Corporation, Former C-6 Facility, Los Angeles, California

Name	Sampling Order (March 2003)	Analytical Program March 2003			Analytical Program September 2003			
		Water Level Gauging	VOCs (8260B)	DO and ORP	Water Level Gauging	VOCs (8260B)	DO and ORP	
WCC-3S	17	x	x		x			
WCC-4S	16	x	x		x			
WCC-5S	1	x	x		x	x		
WCC-6S	3	x	x		x			
WCC-7S		x			x			
WCC-9S	10	x	x		x			
WCC-12S	12	x	x		x			
DAC-P1	23	x	x		x	x		
TMW-01	14	x	x		x	x		
TMW-02	21	x	x		x	x		
TMW-04	18	x	x		x	x		Aband
~~TMW-05~~	~~22~~	~~x~~	~~x~~		~~x~~	~~x~~		
TMW-06	11	x	x	x	x	x	x	
TMW-07	19	x	x		x	x		
TMW-08	20	x	x		x			
TMW-09	13	x	x		x			
TMW-10	4	x	x		x	x		
TMW-11	5	x	x	x	x	x	x	
TMW-14	6	x	x		x	x		
TMW-15	8	x	x		x	x		Aband.
~~TMW-16~~	~~2~~	~~x~~	~~x~~		~~x~~	~~x~~		
BL-03	15	x	x		x			
XMW-09	9	x	x	x	x		x	
XMW-19	7	x	x	x	x	11	x	
Quality Control Samples					22			
Duplicates (1 per 20 wells)			x (est. 2)			x (est. 1)		
Rinsate Blanks (1 per day)			x (est. 5)			x (est. 3)		
Field Blanks (1 per day)			x (est. 5)			x (est. 3)		
Decon Water (1 per day)			x (est. 5)			x (est. 3)		
Travel Blanks (1 per day)			x (est. 5)			x (est. 3)		

Notes:
est = Quality control sample number estimated based on estimated number of sampling days.
DO = Dissolved Oxygen (Field Analysis)
ORP = Oxidation Reduction Potential (Field Analysis)
VOCs = Volatile organic compounds
8260B = EPA Method 8260B

QA/QC: BB
Date 11/25/02

APPENDIX B

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

DAILY FIELD REPORT

Project Name:	C-6 Facility – Torrance Semi-Annual GW Sampling September 2003	**Project #:** Em2303A	**Date:** 9/22/03
Personnel: NC/SH		**Sub Contractors:** NA	

Task: Gauge 22 wells at C-6 Facility.

Time Arrived at Site: 9:00	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: 29625
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [ ] Horiba U-22 Water Quality Meter Serial #: _____
- [ ] PID/FID Type: _____ Serial #: _____
- [ ] Submbersible Pump Type: _____ Serial #: _____
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: _____
- [ ] Other(s): _____

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

Arrived on site at 9:00 a.m.
Set up decon station, calibrated Solinist w/ steel tape.
930 - Conducted tailgate health and safety meeting.
935 - met Jeremy Squire of Haley + Aldrich, regarding

Client Signature (if applicable): _____ **Date:** _____

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name:	C-6 Facility – Torrance Semi-Annual GW Sampling September 2003	Project #: EM2303A	Date: 9/22/03

accessibility of wells. He mentioned that most wells would be accessible, possibly 1 or 2 that were not accessible. WCC-9S required some digging, well in low-lying area, had gathered trash and loose dirt had covered well box. Well box also filled with dirt.

WCC-6S conditions similar to WCC-9S.

WCC-3S is located >6' below grade, and is densely vegetated. SH confirmed inaccessibility with Jeremy Squire at ~1330, stating safety issues. Did not possess rope or ladder with which to enter pit. Unable to gauge well.

~1400 - Unable to locate WCC-12S. Small pit is located in the vicinity of supposed location, however ~~some digging~~ NC we were unable to locate after digging.

~1415 - message left with Jeremy Squire regarding inability to locate.

~1420 - search for XMW-09, unable to locate. Suspect abandonment of well for construction of office building. Confirmed w/ Jeremy Squire who was also unable to locate.

~1500 - Left site, loaded equipment onto truck at C-1 Fac. in Long Beach.

BOE-C6-0008670

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

DAILY FIELD REPORT

Project Name:	C-6 Facility – Torrance Semi-Annual GW Sampling September 2003	**Project #:** Em2303A	**Date:** 9/23/03
Personnel: NC/SH	**Sub Contractors:** NA		

Task: Sample 11 groundwater wells per Haley & Aldrich sampling protocol.

Time Arrived at Site:	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: 29625
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: —
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submersible Pump Type: 2" Grundfos Serial #: _____
- [x] Generator Type: 5550 watt Serial #: _____
- [x] Company Truck License #: _____
- [x] Other(s): Rediflow VFD.

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

Arrived on site at 900.
915 - Calibrated Solinist and Horiba U-22, set up decon station, decontaminated ~~ins~~ NC equipment.
930 - Conducted tailgate health & safety meeting.

Client Signature (if applicable): _____ **Date:** _____

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name:	C-6 Facility – Torrance Semi-Annual GW Sampling September 2003	Project #: EM2303A	Date: 9/23/03

945- Drove to construction site to ~~collect~~ NC pick up drums.
1005- Arrived at WCC-55.
1015- Collected equipment blank EB_TAIT092303_0001.
1026- Began purging WCC-55.
1105- Collected sample WCC_55_WG092303_0001.
~1130- Emptied purge water from drum on truck to drum at ~~sta~~ NC staging area at Lot 8, near SVE System ~~(per~~ NC (as advised by Jeremy Squire w/ H&A).
1157- Began purging TMW-10.
~~1209~~ NC 1210 - Collected sample TMW_10_WG092303_0001
1317- Began purging TMW-11.
1340 - Collected sample TMW_11_WG092303_0001
1358- Began purging TMW-14.
1403- Pump could not sustain low flow rate, had to stop pump and restart.
1415- Collected sample TMW_14_WG092303_0001
1438- Began purging TMW-15.
1445- Collected field blank FB-TAIT092303-0001.
Water was turbid, so purged an extra 5 gal. to lower turbidity <50 NTU.
1510- Collected sample TMW_15_WG092303_0001.
~1530- Emptied drum on truck, pumped purge water into drum at staging area, labeled drums per H&A IDW numbering system.
~1600- Samples picked up on-site by STL.

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

DAILY FIELD REPORT

Project Name:	C-6 Facility – Torrance Semi-Annual GW Sampling September 2003	**Project #:** Em2303A	**Date:** 9/24/03
Personnel: NC/SH	**Sub Contractors:** NA		

Task: Sample 11 groundwater wells per Haley & Aldrich sampling protocol.

Time Arrived at Site:	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: 29625
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: —
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: 2" Submersible Grundfos Serial #: _____
- [x] Generator Type: 5550 Watt Serial #: _____
- [x] Company Truck License #: _____
- [x] Other(s): Rediflow VFD.

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

8:30 - Arrived on site.
8:45 - Calibrated Solinist and Horiba U-22, Set up decon station, decontaminated ~~inst~~ NC equipment.
9:00 - picked up drums, conducted health and safety meeting.

Client Signature (if applicable): _____ **Date:** _____

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name:	C-6 Facility – Torrance Semi-Annual GW Sampling September 2003	Project #: EM2303A	Date: 9/24/03

9:15- could not access TMW-6 for sampling due to construction work.

9:20- Guard was belligerent about allowing us onto Autonation property to access TMW-1, even ~~a~~ when presented a business card. Took ~20 min.

9:30- Jeremy Squire arrived w/ equipment to assist in uncovering WCC-3S, & WCC-12S.

9:40- collected ~~field bl~~ NG equipment blank EB-TAIT092403-0001.

Access restricted at TMW-1, so moved to TMW-7 in close proximity so as to save time.

952 - began purging TMW-7.

1020 - collected primary sample TMW-7-WG092403-0001 + duplicate sample TMW-7-WG092403-0002.

Changed out decon water, still no access to TMW-6, or TMW-1

1055 - began purging TMW-4.

1110 - collected sample TMW-4-WG092403-0001

Changed out decon water, gained access to TMW-6

1131 - began purging TMW-6

1150 - collected sample TMW-6-WG092403-0001.

1249 - began purging TMW-1, after gaining access.

1315 - collected field blank FB-TAIT092403-0001.

Turbid water, needed to purge ~10 additional gallons for turbidity <50N

1320 - Collected sample TMW-1-WG092403-0001

Emptied drum, pumped purge water into drum at staging area (Lot 8 near SVE system)

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name:	C-6 Facility – Torrance Semi-Annual GW Sampling September 2003	Project #: EM2303A	Date: 9/24/03

1345 - began purging TMW-2
1400 - Collected sample TMW-2_WG092403_0001
1425 - began purging DAC-P1.
~1439 - increased pumping rate after observing recharge properties of well.
1500 - Collected sample DAC-P1_WG092403_0001.
1510 - samples picked up on site by STL.
Emptied drum, pumped purge water into drum at staging area. Labeled drums per H&A IDW numbering system.

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: Boeing - ~~Former C-6 Facility~~ Sept. 2003 Sampling	**Project #:** EM2303A
Site/Area Location/Well ID: ALL	
Date(s) Work Performed: 9/22/03 - 9/24/03	**Time:** 930
Name Of Person Giving Tailgate **Print Name:** Nitya Chandran **Signature:** Nitya Chandra	**Affiliation:** TAIT ENV. MGMT.
Site-Specific Health & Safety Meeting Topics: Scope of Work (Gauge 22 wells and Sample 11) Contaminants of Concern - VOCs PPE (Steel Toe Shoes, Hard hat and vest in construction area)	

I have reviewed the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. Visitors will be required to be escorted in the restricted access zone. Visitors must comply with Tait Environmental Management, Inc. escort directions while on site at all times. Non-compliance with escort directions will not be tolerated, and violators will be requested to leave the site immediately.

A physician based on medical examination has approved me to wear a respirator. I have been trained in the appropriate use, care, and storage of respiratory equipment. I have been respirator fit tested; and I have my respirator available for use in the field. I understand that I am to use the equipment supplied to me by my employer. I further understand that this equipment is provided solely for my benefit with the intent to minimize my exposure to potentially hazardous conditions. In the event of such usage, I agree to indemnify and hold harmless Tait Environmental Management, Inc. and all of its employees from and against any and all losses, demands, claims, liabilities, lawsuits, damages, costs, and expenses arising, in any way, from the use of the equipment.

Date	Name	Company Name	Signature
9/22/03	Nitya Chandran	TEM	Nitya Chandra
9/22/03	Saeed H.	TEM	Haidr.
9/23/03	Nitya Chandran	TEM	Nitya Chandra
9/23/03	Saeed H.	TEM	Haidr.
9/24/03	Nitya Chandran	TEM	~~Haidr~~ Nitya Chandra
9/24/03	Saeed Haidr.	TEM	Haidr.

APPENDIX C

March 2003 Annual Groundwater Monitoring Event
Groundwater Gauging Table

Boeing Realty Corporation
Former C-6 Facility
Torrance, California

Well ID	Date	Time	Diameter	Measurement Point	Depth to Water	Total Depth	Comments
BL-03	03/24/2003	9:13	2	TOC-Notch	70.35	80.93	Good condition, tubing in well, soft bottom.
DAC-P1	03/24/2003	10:10	4	TOC-Redmark	65.58	90.50	Good condition, tubing in well, soft bottom.
TMW-01	03/24/2003	10:40	2	TOC-Blackmark	69.84	84.61	Good condition, soft bottom.
TMW-02	03/25/2003	10:35	2	TOC-Bluemark	69.79	85.05	Very muddy bottom.
TMW-04	03/24/2003	8:46	2	TOC-Bluemark	66.27	80.23	Good condition, tubing in well, semi-soft bottom.
TMW-05	03/24/2003	9:00	2	TOC-Bluemark	67.57	83.09	Area surrounding well overgrown with shrubs, tubing in well, very soft bottom.
TMW-06	03/24/2003	8:53	2	TOC-Bluemark	70.67	85.80	Tubing in well, good condition; soft bottom.
TMW-07	03/24/2003	10:20	2	TOC-Blackmark	66.24	83.59	Good condition, soft bottom.
TMW-08	03/24/2003	10:25	2	TOC-Blackmark	67.69	82.53	Good condition, soft bottom.
TMW-09	03/24/2003	10:44	2	TOC-Blackmark	66.56	80.19	Above-ground well casing loose. Soft well bottom.
TMW-10	03/24/2003	9:22	2	TOC-Blackmark	61.52	77.90	Well box flooded, both bolts missing. Soft bottom.
TMW-11	03/24/2003	8:55	2	TOC-Blackmark	61.97	78.00	Good; Soft well bottom.
TMW-14	03/24/2003	9:55	2	TOC-Blackmark	72.61	87.70	Monument casing, no well cap; soft well bottom.

BOE-C6-0008678

March 2003 Annual Groundwater Monitoring Event
Groundwater Gauging Table

Boeing Realty Corporation
Former C-6 Facility
Torrance, California

Well ID	Date	Time	Diameter	Measurement Point	Depth to Water	Total Depth	Comments
TMW-15	03/24/2003	10:02	2	TOC-Blackmark	68.90	87.26	Monument casing, good condition; soft bottom.
WCC-12S	03/25/2003	---	4	---	---	---	Well not accessible. Wellhead is burried >4 feet below ground surface - Inacessible.
WCC-3S	03/25/2003	9:17	4	TOC-Blackmark	64.46	88.78	Very muddy bottom.
WCC-4S	03/24/2003	---	4	---	---	---	Well not accessible. Wellhead is covered with heavy refuse/trash - Inacessible.
WCC-5S	03/24/2003	10:15	4	TOC-Blackmark	62.13	89.86	Well overgrown with shrubery, soft bottom.
WCC-6S	03/25/2003	10:25	4	TOC-Blackmark	64.58	88.14	Very muddy bottom.
WCC-7S	03/24/2003	9:24	4	TOC-Blackmark	63.72	90.34	Good condition, soft bottom.
WCC-9S	03/25/2003	10:15	4	TOC-Blackmark	60.51	88.15	Very muddy bottom.
XMW-09	03/24/2003	---	4	---	---	---	Well paved over during construction - Inaccassible.
XMW-19	03/24/2003	NM	4	TOC-Blackmark	60.87	77.33	Good; Soft well bottom.

NOTES:
--- = Not Measured or No Information Available.
Depth to Water and Total Depth are in feet below measurement point.
Diameter in inches.

BOE-C6-0008679

APPENDIX D

[redacted]

Chain of Custody Record

[redacted] **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TAIT ENVIRONMENTAL MGMT.	Project Manager: MEHMET PEHLIVAN	Date: 9/23/03	Chain of Custody Number: 106082
Address: 701 N. PARKCENTER DR.	Telephone Number (Area Code)/Fax Number: (714)560-8200/560-8235	Lab Number: EST 240167	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact: N. CHANDRAN; Lab Contact: D. SUZUKI		
Project Name and Location (State): BOEING - C-6, 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): 8260B	Special Instructions/ Conditions of Receipt
TB-TAIT092303-0001	9/23/03	—		X						3			X	
EB-TAIT092303-0001	↓	1015		X						3			X	
WCC-5S-WG092303-0001	↓	1105		X						3			X	
TMW-10-WG092303-0001	↓	1210		X						3			X	
TMW-11-WG092303-0001	↓	1340		X						3			X	
TMW-14-WG092303-0001	↓	1415		X						3			X	
FB-TAIT092303-0001	↓	1445		X						3			X	
TMW-15-WG092303-0001	↓	1510		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 1 month)

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

QC Requirements (Specify):

1. Relinquished By: Mutya Chandran	Date: 9/23/03	Time: 1550	1. Received By: [signature]	Date: 9-23-03	Time: 15:50
2. Relinquished By: [signature]	Date: 9-23-03	Time: 17:00	2. Received By: [signature]	Date: 09/23/03	Time: 1728
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

BOE-C6-0008681

[redacted]

Chain of Custody Record

[redacted] STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TAIT ENVIRONMENTAL MGMT	Project Manager: MEHMET PEHLIVAN	Date: 9/24/03	Chain of Custody Number: 106083
Address: 701 N. PARKCENTER DR.	Telephone Number (Area Code)/Fax Number: (714) 560-8200 / 560-8235	Lab Number: ~~E3~~ 8T24037	Page 1 of 1
City: SANTA ANA; State: CA; Zip Code: 92705	Site Contact: N. CHANDRAN; Lab Contact: D. SUZUKI		
Project Name and Location (State): BOEING FORMER C-6, 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): 8260B	Special Instructions/ Conditions of Receipt
TB-TAIT092403-0001	9/24/03	—		X						3			X	
EB-TAIT092403-0001		940		X						3			X	
TMW-7-WG092403-0001		1020		X						3			X	
TMW-7-WG092403-0002		1020		X						3			X	
TMW-4-WG092403-0001		1110		X						3			X	
TMW-6-WG092403-0001		1150		X						3			X	
FB-TAIT092403-0001		1315		X						3			X	
TMW-1-WG092403-0001		1320		X						3			X	
TMW-2-WG092403-0001		1400		X						3			X	
DAC-PL-WG092403-0001		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 1 month)

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

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Mitya Chandra	9/24/03	1510	1. Received By: Matt Crawford	9-24-03	15:10
2. Relinquished By: Matt Crawford	9-24-03	16:10	2. Received By: [illegible]	9/24/03	1600
3. Relinquished By			3. Received By		

Comments

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

BOE-C6-0008682

TAIT Environmental Management, Inc

10/14/03

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/23/03
Project No.: EM2303A	**Prepared By:** NC/SH
Well Identification: WCC-55	**Weather:** Sunny, breeze **Screen:** NA
Measurement Point Description: TOC-Blackmark	**Pump Intake:** 2.65 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-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	61.84	89.95	28.11	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: Solinst, Horiba U-22, 5550 Watt Generator,

Purge Method: 2" Submersible Pump w/ dedicated tubing

Well Condition: Good; vegetation overgrown.

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1030 NC	0.5	9	1.5	62.37	6.86	22.8	0.0	0.176	5.02	+98	clear
1037	1.0	18	1.8	62.38	6.88	22.8	0.0	0.171	4.92	+100	clear
1043	1.5	27	1.5	62.37	6.87	22.8	0.0	0.176	4.85	+102	clear
1049	2.0	36	1.5	62.37	6.86	22.8	0.0	0.178	4.80	+103	clear
1054	2.5	45	1.8	62.37	6.86	22.8	0.0	0.178	4.75	+103	clear
1100	3.0	54	1.5	62.37	6.86	22.8	0.0	0.179	4.73	+103	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
10:26	1100	1.6	54	3	67.46	62.37	1105	WCC_55_WG092303_0001

Notes:

ft-bmp = feet below measuring point

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BOE-C6-0008683

TAIT Environmental Management, Inc

10/4/03

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/23/03
Project No.: EM2303 A	**Prepared By:** NC/SH
Well Identification: THW-10	**Weather:** Sunny **Screen:** NA
Measurement Point Description: TOC - Northside.	**Pump Intake:** ~64

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	61.20	77.80	16.60	ND	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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump w/ dedicated tubing

Well Condition: Good.

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1159	0.5	1.5	0.75	61.60	7.05	23.3	243	0.170	4.69	-12	silty
1201	1.0	3.0	0.75	61.60	7.03	23.4	171	0.172	3.14	+3	silty
1203	1.5	4.5	0.75	61.60	7.03	23.4	149	0.173	3.19	+25	clearing
1205	2.0	6.0	0.75	61.61	7.04	23.3	96.4	0.173	3.43	+37	clear
1207	2.5	7.5	0.75	61.62	7.04	23.4	80.5	0.175	3.69	+45	clear
1209	3.0	9.0	0.75	61.62	7.03	23.4	3.0	0.176	3.92	+50	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
1157	1209	0.75	9	3	64.52	61.62	1210	THW-10-WG092303-0001

Notes:

ft-bmp = feet below measuring point

BOE-C6-0008684

TAIT Environmental Management, Inc

10/14/03

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/23/03
Project No.: EM2303A	**Prepared By:** NC/SH
Well Identification: TMW-11	**Weather:** Sunny, hot **Screen:** NA
Measurement Point Description: TOC - Northside	**Pump Intake:** ~65

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	61.63	77.20	15.57	NA	2.5	7.5	—	—

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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump w/ dedicated tubing

Well Condition: Good

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1321	0.5	1.25	0.3	62.80	6.89	24.6	>999	0.193	2.97	-19	very silty
1324	1.0	2.5	0.4	62.83	6.82	24.3	394	0.192	2.54	-17	silty
1326	1.5	3.75	0.6	62.83	6.82	24.3	254	0.191	2.41	-2	mostly clear
1329	2.0	5.0	0.4	62.82	6.81	24.4	80.0	0.190	2.36	+17	clear
1332	2.5	6.25	0.4	62.83	6.81	24.3	34.1	0.191	2.37	+28	clear
1335	3.0	7.5	0.4	62.83	6.82	24.2	28.6	0.192	2.34	+30	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
1317	1335	0.4	7.5	3	64.74	~~13~~ NC 62.83	1340	TMW_11_WG092303_0001

Notes:

ft-bmp = feet below measuring point

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BOE-C6-0008685

TAIT Environmental Management, Inc

10/14/03

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/23/03
Project No.: EM2303A	**Prepared By:** NC/SH
Well Identification: TMW-14	**Weather:** Sunny, breeze **Screen:** NA
Measurement Point Description: TOC - Blackmark	**Pump Intake:** 2' 76

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	72.31	87.70	15.39	NA	2.5	NC ~~2~~ 7.5	—	—

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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump w/ dedicated tubing

Well Condition: Good, monument casing,

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1404	0.5	1.25	0.2	72.58	6.76	23.8	124	0.397	5.65	+24	slighty silty
1406	1.0	2.5	0.6	72.59	6.68	23.9	134	0.411	5.46	+45	mostly clear
1408	1.5	3.75	0.6	72.58	6.68	23.6	65.2	0.406	5.46	+60	clear
1410	2.0	5.0	0.6	72.58	6.78 NC	23.6	38.6	0.397	5.59	+66	clear
1412	2.5	6.25	0.6	72.58	6.71	23.4	16.8	0.391	5.63	+73	clear
1414	3.0	7.5	0.6	72.58	6.70	23.2	2.1	0.390	5.59	+78	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
1358	1414	0.5	7.5	3	75.39	72.58	1415	TMW_14_WG092303_0001

Notes: 1403 - stopped pump + restarted, pump could not sustain low flow rate, needed restarting

ft-bmp = feet below measuring point

C:\Documents and Settings\SMicucci\My Documents\forms\Well Sampling Field Data Sheet.DOC

BOE-C6-0008686

TAIT Environmental Management, Inc

ENTERED

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/23/03
Project No.: EM2303A	**Prepared By:** NC/SH
Well Identification: TMW-15	**Weather:** Sunny, breeze **Screen:** NA
Measurement Point Description: TOC - Blackmark	**Pump Intake:** ~75'

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	68.63	87.15	18.52	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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump w/dedicated tubing

Well Condition: Good, monument casing

Time	(Casing) Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1440	0.5	1.5	0.75	73.60	7.19	22.9	>999	74.8	0.93	-108	very silty
1442	1.0	3.0	0.75	73.75	7.13	23.3	>999	85.7	1.53	-108	very silty
1445	1.5	4.5	0.5	74.11	7.13	23.3	716	97.8	2.40	-90	silty
1447	2.0	NC 6.0	0.75	74.17	7.13	23.3	354	0.120 S/m	NC 2.69	-88	somewhat silty
1449	2.5	NC 7.5	0.75	74.20	7.11	23.3	197	0.127 S/m	2.90	-87	mostly clear
1452	3.0	9.0	0.5	74.25	7.11	23.3	86.1	0.131 S/m	3.02	-82	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
1438	1500	0.65	14	4.6	72.33	72.33	1510	TMW_15_WG092303_0001

Notes: Purged longer to attempt to lower turbidity to <50 NTU.
15:00 - Turbidity - 33.5 NTU, purged ~5 gal -

Collected Field Blank
FB_TAIT092303_0001 @ 1445

ft-bmp = feet below measuring point
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TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/24/03
Project No.: EM2303 A	**Prepared By:** NC/SH
Well Identification: TMW-7	**Weather:** Cool, overcast **Screen:** NA
Measurement Point Description: TOC-Blackmark	**Pump Intake:** ~70

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	66.16	83.50	17.34	NA	2.7 → 3.0	9.0	—	—

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: Solinst, Horiba U-22, 2" Grundfos, Generator

Purge Method: 2" Submersible Pump; w/ dedicated tubing

Well Condition: Good, no well box.

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
9:56	0.5	1.5	0.4	66.39	6.52	23.2	253	0.194	4.10	139	Cloudy, silt present
1000	1.0	3.0	0.4	66.41	6.91	24.4	89.1	0.185	3.68	+109	clear
1003	1.5	4.5	0.5	66.42	6.96	24.4	71.3	0.185	3.63	+101	clear
1007	2.0	6.0	0.4	66.40	6.99	24.5	40.4	0.183	3.48	+96	clear
1011	2.5	7.5	0.4	66.40	7.00	24.6	28.2	0.181	3.28	+93	clear
1016	3.0	9.0	0.3	66.40	7.01	24.6	22.7	0.182	3.22	+92	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
952	1016	0.4	9	3	69.63	66.40	1020	TMW_7_WG092403_0001

Notes: Collected duplicate sample TMW_7_WG092403_0002

ft-bmp = feet below measuring point

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TAIT Environmental Management, Inc.

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/24/03
Project No.: EM2303	**Prepared By:** NC/SH
Well Identification: TMW-4	**Weather:** Cool, overcast **Screen:** NA
Measurement Point Description: TOC - Bluemark	**Pump Intake:** ~ 66

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	62.88	77.00	14.12	NA	2.2 → 2.5	7.5	—	—

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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump w/ dedicated tubing

Well Condition: Good; found PVC shavings on solinist, new well box

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1057	0.5	1.25	0.6	63.20	7.17	22.1	170	0.167	6.22	+113	slightly silty
1059	1.0	2.5	0.6	63.20	7.08	22.5	129	0.168	5.71	+110	clear
1101	1.5	3.75	0.6	63.20	7.03	22.6	58.6	0.166	5.30	+110	clear
1103	2.0	5.0	0.6	63.20	7.01	22.7	37.9	0.168	5.34	+109	clear
1105	2.5	6.25	0.6	63.20	7.01	22.7	21.9	0.166	5.24	+109	clear
1107	3.0	7.5	0.6	63.20	7.00	22.7	15.9	0.165	5.13	+108	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
1055	1107	0.6	7.5	3	65.70	63.20	1110	TMW-4_WG092403_0001

Notes:

ft-bmp = feet below measuring point

BOE-C6-0008689

TAIT Environmental Management, Inc

ENTERED 10/14/03

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/24/03
Project No.: EM2303	**Prepared By:** NC/SH
Well Identification: TMW-6	**Weather:** Cool, overcast **Screen:** NA
Measurement Point Description: TOC - Bluemark	**Pump Intake:** ~ 66

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	63.50	78.70	15.20	NA	2.5	7.5	—	—

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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump w/ dedicated tubing

Well Condition: Good. new well box constructed

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1133	0.5	1.25	0.6	63.60	7.15	21.4	138	0.172	10.43	-53	Slightly silty
1135	1.0	2.5	0.6	63.60	7.06	22.1	157	0.172	5.34	-64	mostly clear
1138	1.5	3.75	0.4	63.60	7.04	22.1	103	0.172	5.00	-13	clear
1140	2.0	5.0	0.6	63.60	7.03	22.2	71.3	0.173	4.86	+21	clear
1142	2.5	6.25	0.6	63.60	7.03	22.2	61.6	0.173	4.81	+35	clear
1145	3.0	7.5	0.4	63.60	7.02	22.2	1.2	0.172	4.75	+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
1131	1145	0.5	7.5	3	66.54	63.60	1150	TMW-6-WG092403_0001

Notes:

ft-bmp = feet below measuring point

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BOE-C6-0008690

TAIT Environmental Management, Inc

10/14/03

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/24/03
Project No.: EM2303	**Prepared By:** NC/SH
Well Identification: TMW-1	**Weather:** Sunny, breezy **Screen:** NA
Measurement Point Description: TOC - Blackmark	**Pump Intake:** ~73

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	69.75	84.45	14.70	NA	2.4 → 2.5	7.5	—	—

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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump w/ dedicated tubing

Well Condition: Good; vegetation overgrown.

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
NC 1251	0.5	1.25	0.6	70.58	6.85	22.4	680	0.252	2.00	-53	silty
NC 1253	1.0	2.5	0.6	70.56	6.78	22.5	>999	0.262	2.21	-14	very silty
1255	1.5	3.75	0.6	70.57	6.67	22.6	>999	0.443	3.06	+1	very silty
1257	2.0	5.0	0.6	70.60	6.68	22.6	>999	0.474	2.92	+21	very silty
1259	2.5	6.25	0.6	70.60	6.69	22.6	>999	0.486	3.55	+28	very silty
1302	3.0	7.5	0.4	70.60	6.70	22.7	432	0.490	3.59	+34	slightly silty
1304	3.5	8.75	0.6	70.60	6.71	22.8	231	0.488	3.63	+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
1249	1316	0.6	17	~7	72.69	70.60	1320	TMW_1_WG092403_0001

Notes: Turbidity still high after purging 3 casing volumes. Purge longer to attempt to lower turbidity to <50 NTU. Purged total of 17 gal. @ 1316, turbidity = 48.6 NTU.
Collected field blank FB_TAIT092403_0001 at 1315

ft-bmp = feet below measuring point

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TAIT Environmental Management, Inc

10/14/03 AO

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/24/03
Project No.: EM2303	**Prepared By:** NC/SH
Well Identification: TMW-2	**Weather:** Sunny, no breeze **Screen:** NA
Measurement Point Description: TOC - Blackmark	**Pump Intake:** ~75

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	69.62	85.05	15.43	NA	2.5	7.5	—	—

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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump w/ dedicated tubing

Well Condition: Good; well under vacuum, close proximity to SVE System.

Time	(Casing) Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1347	0.5	1.25	0.6	72.25	6.66	22.4	73.6	0.334	1.73	-190	black, sulfur odor
1349	1.0	2.5	0.6	72.60	6.55	22.5	9.0	0.337	0.73	-196	clear, sulfur odor
1351	1.5	3.75	0.6	72.74	6.56	22.6	3.5	0.335	0.35	-199	clear, ~~no~~ NC odor
1353 NC	2.0	5.0	0.6	72.76	6.58	22.7	3.4	0.333	0.17	-200	clear, odor
1355 NC	2.5	6.25	0.6	72.76	6.58	22.7	3.4	0.333	0.08	-201	clear, odor
1357 NC	3.0	7.5	0.6	72.77	6.60	22.7	3.6	0.334	0.0	-202	clear, odor

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
1345	1357	0.6	7.5	3	72.71	72.71	~~13~~ NC 1400	TMW_2_WG092403_0001

Notes:

ft-bmp = feet below measuring point

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BOE-C6-0008692

TAIT Environmental Management, Inc

ENTERED 10/14/03

Groundwater Sampling Data Sheet

Project Name: C-6 TORRANCE, SEMI-ANNUAL GW SAMPLING 9/03	**Date:** 9/24/03
Project No.: EM2303	**Prepared By:** NC/SH
Well Identification: DAC-P1	**Weather:** Sunny, no breeze **Screen:** NA
Measurement Point Description: TOC - Bedmark	**Pump Intake:** ~71

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
ND	65.37	90.20	24.83	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: Solinst, SEE PAGE 1

Purge Method: 2" Submersible Pump, w/ dedicated tubing

Well Condition: Good.

Time	(Casing)/Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1432	0.5	8	1.2	68.01	6.89	23.2	2.0	0.230	2.48	+22	clear
1438	1.0	16	1.3	68.41	6.91	23.2	1.6	0.229	4.21	+42	clear
1443 NC	1.5	24	2.0	68.69	6.91	23.1	3.9	0.236	4.82	+54	clear
1448	2.0	32	2.0	68.86	6.91	23.1	5.0	0.240	5.08	+63	clear
1453 SH	2.5	40	2.0	68.90	6.91	23.1	4.9	2.24	5.00	+64	clear
1502 SH	3.0	48	2.0	68.90	6.91	23.1	4.8	2.20	5.00	+66	clear
1456											

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
1425	1456	1.8	48	3	70.34	68.90	1500	DAC-P1-WG092403-0001

Notes: * Increased pump flow rate at ~1439

ft-bmp = feet below measuring point

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BOE-C6-0008693

APPENDIX B

Analytical Reports and Chain-of-Custody Records (CD)

ANALYTICAL REPORT

PROJECT NO. C-6 TORRANCE

Boeing C-6/Tait EM2303

Beth Breitenbach

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

September 29, 2003

ANALYTICAL REPORT

PROJECT NO. C-6 TORRANCE

Boeing C-6/Tait EM2303

Beth Breitenbach

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

September 29, 2003

ANALYTICAL REPORT

PROJECT NO. C-6 TORRANCE

Boeing C-6/Tait EM2303

CH2M Hill

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

September 29, 2003

ANALYTICAL REPORT

PROJECT NO. C-6 TORRANCE

Boeing C-6/Tait EM2303

Karen Adkison

Tait Environmental

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

September 29, 2003

EXECUTIVE SUMMARY - Detection Highlights

E3I240379

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TB_TAIT092403_0001 09/24/03 001				
Acetone	6.2 J	10	ug/L	SW846 8260B
EB_TAIT092403_0001 09/24/03 09:40 002				
Acetone	7.0 J	10	ug/L	SW846 8260B
2-Butanone	8.8	5.0	ug/L	SW846 8260B
TMW_7_WG092403_0001 09/24/03 10:20 003				
1,1-Dichloroethene	520	50	ug/L	SW846 8260B
cis-1,2-Dichloroethene	15 J	50	ug/L	SW846 8260B
Trichloroethene	1700	50	ug/L	SW846 8260B
TMW_7_WG092403_0002 09/24/03 10:20 004				
1,1-Dichloroethene	530	50	ug/L	SW846 8260B
Trichloroethene	1700	50	ug/L	SW846 8260B
TMW_4_WG092403_0001 09/24/03 11:10 005				
1,1-Dichloroethene	1400	50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	32 J	50	ug/L	SW846 8260B
1,1-Dichloroethane	23 J	50	ug/L	SW846 8260B
cis-1,2-Dichloroethene	48 J	50	ug/L	SW846 8260B
Trichloroethene	2200	50	ug/L	SW846 8260B
TMW_6_WG092403_0001 09/24/03 11:50 006				
1,1-Dichloroethene	6.2	5.0	ug/L	SW846 8260B
Chloroform	180	5.0	ug/L	SW846 8260B
Trichloroethene	80	5.0	ug/L	SW846 8260B
FB_TAIT092403_0001 09/24/03 13:15 007				
Acetone	13	10	ug/L	SW846 8260B
2-Butanone	9.3	5.0	ug/L	SW846 8260B
TMW_1_WG092403_0001 09/24/03 13:20 008				
Trichlorofluoromethane	36 J	50	ug/L	SW846 8260B
1,1-Dichloroethene	180	25	ug/L	SW846 8260B
Trichloroethene	1100	25	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E3I240379

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TMW_2_WG092403_0001 09/24/03 14:00 009				
1,1-Dichloroethene	24000	500	ug/L	SW846 8260B
Acetone	12000	5000	ug/L	SW846 8260B
trans-1,2-Dichloroethene	450 J	500	ug/L	SW846 8260B
1,1-Dichloroethane	1400	500	ug/L	SW846 8260B
cis-1,2-Dichloroethene	10000	500	ug/L	SW846 8260B
1,1,1-Trichloroethane	600	500	ug/L	SW846 8260B
2-Butanone	70000	2500	ug/L	SW846 8260B
Trichloroethene	7900	500	ug/L	SW846 8260B
Toluene	2500	500	ug/L	SW846 8260B
DAC_P1_WG092403_0001 09/24/03 15:00 010				
cis-1,2-Dichloroethene	120 J	250	ug/L	SW846 8260B
Trichloroethene	12000	250	ug/L	SW846 8260B

METHODS SUMMARY

E3I240379

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

E3I240379

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F04JP	001	TB_TAIT092403_0001	09/24/03	
F04JW	002	EB_TAIT092403_0001	09/24/03	09:40
F04J2	003	TMW_7_WG092403_0001	09/24/03	10:20
F04J4	004	TMW_7_WG092403_0002	09/24/03	10:20
F04J5	005	TMW_4_WG092403_0001	09/24/03	11:10
F04J6	006	TMW_6_WG092403_0001	09/24/03	11:50
F04J8	007	FB_TAIT092403_0001	09/24/03	13:15
F04J9	008	TMW_1_WG092403_0001	09/24/03	13:20
F04KC	009	TMW_2_WG092403_0001	09/24/03	14:00
F04KE	010	DAC_P1_WG092403_0001	09/24/03	15:00

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: TB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-001 **Work Order #...:** F04JP1AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	**6.2 J**	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-001 **Work Order #...:** F04JP1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(75 - 130)
1,2-Dichloroethane-d4	90	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-002 **Work Order #...:** F04JW1AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 09:40 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	**7.0 J**	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	**8.8**	**5.0**	**ug/L**
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-002 **Work Order #...:** F04JW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	98	(65 - 135)
Toluene-d8	98	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-003 **Work Order #...:** F04J21AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 10:20 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	50	ug/L
Chloromethane	ND	100	ug/L
Chloroethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Trichlorofluoromethane	ND	100	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L
1,1-Dichloroethene	**520**	**50**	**ug/L**
Methylene chloride	ND	50	ug/L
Methyl tert-butyl ether	ND	50	ug/L
Carbon disulfide	ND	50	ug/L
Acetone	ND	500	ug/L
trans-1,2-Dichloroethene	ND	50	ug/L
1,1-Dichloroethane	ND	50	ug/L
2,2-Dichloropropane	ND	50	ug/L
cis-1,2-Dichloroethene	**15 J**	**50**	**ug/L**
Chloroform	ND	50	ug/L
Bromochloromethane	ND	50	ug/L
1,1,1-Trichloroethane	ND	50	ug/L
2-Butanone	ND	250	ug/L
1,1-Dichloropropene	ND	50	ug/L
Carbon tetrachloride	ND	25	ug/L
1,2-Dibromoethane	ND	50	ug/L
Benzene	ND	50	ug/L
Trichloroethene	**1700**	**50**	**ug/L**
Bromodichloromethane	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Toluene	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
1,2-Dichloroethane	ND	25	ug/L
Tetrachloroethene	ND	50	ug/L
2-Hexanone	ND	250	ug/L
Dibromochloromethane	ND	50	ug/L
Chlorobenzene	ND	50	ug/L
1,1,1,2-Tetrachloroethane	ND	50	ug/L
Ethylbenzene	ND	50	ug/L
Vinyl chloride	ND	25	ug/L
Xylenes (total)	ND	50	ug/L
Styrene	ND	50	ug/L
Bromoform	ND	50	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-003 **Work Order #...:** F04J21AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	50	ug/L
1,1,2,2-Tetrachloroethane	ND	50	ug/L
1,2,3-Trichloropropane	ND	50	ug/L
n-Propylbenzene	ND	50	ug/L
Bromobenzene	ND	50	ug/L
1,3,5-Trimethylbenzene	ND	50	ug/L
2-Chlorotoluene	ND	50	ug/L
4-Chlorotoluene	ND	50	ug/L
tert-Butylbenzene	ND	50	ug/L
1,2,4-Trimethylbenzene	ND	50	ug/L
sec-Butylbenzene	ND	50	ug/L
p-Isopropyltoluene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
n-Butylbenzene	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,2-Dibromo-3-chloro-propane	ND	100	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
1,2,3-Trichlorobenzene	ND	50	ug/L
Acrolein	ND	1000	ug/L
Acrylonitrile	ND	1000	ug/L
Iodomethane	ND	100	ug/L
2-Chloroethyl vinyl ether	ND	250	ug/L
Tetrahydrofuran	ND	500	ug/L
Vinyl acetate	ND	250	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	91	(65 - 135)
Toluene-d8	98	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_WG092403_0002

GC/MS Volatiles

Lot-Sample #...: E3I240379-004 **Work Order #...:** F04J41AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 10:20 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	50	ug/L
Chloromethane	ND	100	ug/L
Chloroethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Trichlorofluoromethane	ND	100	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L
1,1-Dichloroethene	**530**	**50**	**ug/L**
Methylene chloride	ND	50	ug/L
Methyl tert-butyl ether	ND	50	ug/L
Carbon disulfide	ND	50	ug/L
Acetone	ND	500	ug/L
trans-1,2-Dichloroethene	ND	50	ug/L
1,1-Dichloroethane	ND	50	ug/L
2,2-Dichloropropane	ND	50	ug/L
cis-1,2-Dichloroethene	ND	50	ug/L
Chloroform	ND	50	ug/L
Bromochloromethane	ND	50	ug/L
1,1,1-Trichloroethane	ND	50	ug/L
2-Butanone	ND	250	ug/L
1,1-Dichloropropene	ND	50	ug/L
Carbon tetrachloride	ND	25	ug/L
1,2-Dibromoethane	ND	50	ug/L
Benzene	ND	50	ug/L
Trichloroethene	**1700**	**50**	**ug/L**
Bromodichloromethane	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Toluene	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
1,2-Dichloroethane	ND	25	ug/L
Tetrachloroethene	ND	50	ug/L
2-Hexanone	ND	250	ug/L
Dibromochloromethane	ND	50	ug/L
Chlorobenzene	ND	50	ug/L
1,1,1,2-Tetrachloroethane	ND	50	ug/L
Ethylbenzene	ND	50	ug/L
Vinyl chloride	ND	25	ug/L
Xylenes (total)	ND	50	ug/L
Styrene	ND	50	ug/L
Bromoform	ND	50	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_WG092403_0002

GC/MS Volatiles

Lot-Sample #...: E3I240379-004 **Work Order #...:** F04J41AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	50	ug/L
1,1,2,2-Tetrachloroethane	ND	50	ug/L
1,2,3-Trichloropropane	ND	50	ug/L
n-Propylbenzene	ND	50	ug/L
Bromobenzene	ND	50	ug/L
1,3,5-Trimethylbenzene	ND	50	ug/L
2-Chlorotoluene	ND	50	ug/L
4-Chlorotoluene	ND	50	ug/L
tert-Butylbenzene	ND	50	ug/L
1,2,4-Trimethylbenzene	ND	50	ug/L
sec-Butylbenzene	ND	50	ug/L
p-Isopropyltoluene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
n-Butylbenzene	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,2-Dibromo-3-chloro-propane	ND	100	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
1,2,3-Trichlorobenzene	ND	50	ug/L
Acrolein	ND	1000	ug/L
Acrylonitrile	ND	1000	ug/L
Iodomethane	ND	100	ug/L
2-Chloroethyl vinyl ether	ND	250	ug/L
Tetrahydrofuran	ND	500	ug/L
Vinyl acetate	ND	250	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	96	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_4_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-005 **Work Order #...:** F04J51AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 11:10 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	50	ug/L
Chloromethane	ND	100	ug/L
Chloroethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Trichlorofluoromethane	ND	100	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L
1,1-Dichloroethene	**1400**	**50**	**ug/L**
Methylene chloride	ND	50	ug/L
Methyl tert-butyl ether	ND	50	ug/L
Carbon disulfide	ND	50	ug/L
Acetone	ND	500	ug/L
trans-1,2-Dichloroethene	**32 J**	**50**	**ug/L**
1,1-Dichloroethane	**23 J**	**50**	**ug/L**
2,2-Dichloropropane	ND	50	ug/L
cis-1,2-Dichloroethene	**48 J**	**50**	**ug/L**
Chloroform	ND	50	ug/L
Bromochloromethane	ND	50	ug/L
1,1,1-Trichloroethane	ND	50	ug/L
2-Butanone	ND	250	ug/L
1,1-Dichloropropene	ND	50	ug/L
Carbon tetrachloride	ND	25	ug/L
1,2-Dibromoethane	ND	50	ug/L
Benzene	ND	50	ug/L
Trichloroethene	**2200**	**50**	**ug/L**
Bromodichloromethane	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Toluene	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
1,2-Dichloroethane	ND	25	ug/L
Tetrachloroethene	ND	50	ug/L
2-Hexanone	ND	250	ug/L
Dibromochloromethane	ND	50	ug/L
Chlorobenzene	ND	50	ug/L
1,1,1,2-Tetrachloroethane	ND	50	ug/L
Ethylbenzene	ND	50	ug/L
Vinyl chloride	ND	25	ug/L
Xylenes (total)	ND	50	ug/L
Styrene	ND	50	ug/L
Bromoform	ND	50	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_4_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-005 **Work Order #...:** F04J51AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	50	ug/L
1,1,2,2-Tetrachloroethane	ND	50	ug/L
1,2,3-Trichloropropane	ND	50	ug/L
n-Propylbenzene	ND	50	ug/L
Bromobenzene	ND	50	ug/L
1,3,5-Trimethylbenzene	ND	50	ug/L
2-Chlorotoluene	ND	50	ug/L
4-Chlorotoluene	ND	50	ug/L
tert-Butylbenzene	ND	50	ug/L
1,2,4-Trimethylbenzene	ND	50	ug/L
sec-Butylbenzene	ND	50	ug/L
p-Isopropyltoluene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
n-Butylbenzene	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,2-Dibromo-3-chloro-propane	ND	100	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
1,2,3-Trichlorobenzene	ND	50	ug/L
Acrolein	ND	1000	ug/L
Acrylonitrile	ND	1000	ug/L
Iodomethane	ND	100	ug/L
2-Chloroethyl vinyl ether	ND	250	ug/L
Tetrahydrofuran	ND	500	ug/L
Vinyl acetate	ND	250	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(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_6_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-006 **Work Order #...:** F04J61AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 11:50 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/L
1,1-Dichloroethene	**6.2**	**5.0**	**ug/L**
Methylene chloride	ND	5.0	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Carbon disulfide	ND	5.0	ug/L
Acetone	ND	50	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
cis-1,2-Dichloroethene	ND	5.0	ug/L
Chloroform	**180**	**5.0**	**ug/L**
Bromochloromethane	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Carbon tetrachloride	ND	2.5	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
Trichloroethene	**80**	**5.0**	**ug/L**
Bromodichloromethane	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
Toluene	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
Tetrachloroethene	ND	5.0	ug/L
2-Hexanone	ND	25	ug/L
Dibromochloromethane	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Vinyl chloride	ND	2.5	ug/L
Xylenes (total)	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_6_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-006 **Work Order #...:** F04J61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
n-Butylbenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Iodomethane	ND	10	ug/L
2-Chloroethyl vinyl ether	ND	25	ug/L
Tetrahydrofuran	ND	50	ug/L
Vinyl acetate	ND	25	ug/L

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

TAIT ENVIRONMENTAL

Client Sample ID: FB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-007 **Work Order #...:** F04J81AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 13:15 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	**13**	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	**9.3**	**5.0**	**ug/L**
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: FB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-007 **Work Order #...:** F04J81AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 - 130)
1,2-Dichloroethane-d4	99	(65 - 135)
Toluene-d8	98	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_1_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-008 **Work Order #...:** F04J91AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 13:20 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	25	ug/L
Chloromethane	ND	50	ug/L
Chloroethane	ND	50	ug/L
Bromomethane	ND	50	ug/L
Trichlorofluoromethane	**36 J**	**50**	**ug/L**
1,1,2-Trichlorotrifluoro-ethane	ND	25	ug/L
1,1-Dichloroethene	**180**	**25**	**ug/L**
Methylene chloride	ND	25	ug/L
Methyl tert-butyl ether	ND	25	ug/L
Carbon disulfide	ND	25	ug/L
Acetone	ND	250	ug/L
trans-1,2-Dichloroethene	ND	25	ug/L
1,1-Dichloroethane	ND	25	ug/L
2,2-Dichloropropane	ND	25	ug/L
cis-1,2-Dichloroethene	ND	25	ug/L
Chloroform	ND	25	ug/L
Bromochloromethane	ND	25	ug/L
1,1,1-Trichloroethane	ND	25	ug/L
2-Butanone	ND	120	ug/L
1,1-Dichloropropene	ND	25	ug/L
Carbon tetrachloride	ND	12	ug/L
1,2-Dibromoethane	ND	25	ug/L
Benzene	ND	25	ug/L
Trichloroethene	**1100**	**25**	**ug/L**
Bromodichloromethane	ND	25	ug/L
4-Methyl-2-pentanone	ND	120	ug/L
Toluene	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
1,2-Dichloroethane	ND	12	ug/L
Tetrachloroethene	ND	25	ug/L
2-Hexanone	ND	120	ug/L
Dibromochloromethane	ND	25	ug/L
Chlorobenzene	ND	25	ug/L
1,1,1,2-Tetrachloroethane	ND	25	ug/L
Ethylbenzene	ND	25	ug/L
Vinyl chloride	ND	12	ug/L
Xylenes (total)	ND	25	ug/L
Styrene	ND	25	ug/L
Bromoform	ND	25	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_1_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-008 **Work Order #...:** F04J91AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	25	ug/L
1,1,2,2-Tetrachloroethane	ND	25	ug/L
1,2,3-Trichloropropane	ND	25	ug/L
n-Propylbenzene	ND	25	ug/L
Bromobenzene	ND	25	ug/L
1,3,5-Trimethylbenzene	ND	25	ug/L
2-Chlorotoluene	ND	25	ug/L
4-Chlorotoluene	ND	25	ug/L
tert-Butylbenzene	ND	25	ug/L
1,2,4-Trimethylbenzene	ND	25	ug/L
sec-Butylbenzene	ND	25	ug/L
p-Isopropyltoluene	ND	25	ug/L
1,3-Dichlorobenzene	ND	25	ug/L
1,4-Dichlorobenzene	ND	25	ug/L
n-Butylbenzene	ND	25	ug/L
1,2-Dichlorobenzene	ND	25	ug/L
1,2-Dibromo-3-chloro-propane	ND	50	ug/L
1,2,4-Trichloro-benzene	ND	25	ug/L
Hexachlorobutadiene	ND	25	ug/L
1,2,3-Trichlorobenzene	ND	25	ug/L
Acrolein	ND	500	ug/L
Acrylonitrile	ND	500	ug/L
Iodomethane	ND	50	ug/L
2-Chloroethyl vinyl ether	ND	120	ug/L
Tetrahydrofuran	ND	250	ug/L
Vinyl acetate	ND	120	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_2_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-009 **Work Order #...:** F04KC1AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 14:00 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	500	ug/L
Chloromethane	ND	1000	ug/L
Chloroethane	ND	1000	ug/L
Bromomethane	ND	1000	ug/L
Trichlorofluoromethane	ND	1000	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	500	ug/L
1,1-Dichloroethene	**24000**	**500**	**ug/L**
Methylene chloride	ND	500	ug/L
Methyl tert-butyl ether	ND	500	ug/L
Carbon disulfide	ND	500	ug/L
Acetone	**12000**	**5000**	**ug/L**
trans-1,2-Dichloroethene	**450 J**	**500**	**ug/L**
1,1-Dichloroethane	**1400**	**500**	**ug/L**
2,2-Dichloropropane	ND	500	ug/L
cis-1,2-Dichloroethene	**10000**	**500**	**ug/L**
Chloroform	ND	500	ug/L
Bromochloromethane	ND	500	ug/L
1,1,1-Trichloroethane	**600**	**500**	**ug/L**
2-Butanone	**70000**	**2500**	**ug/L**
1,1-Dichloropropene	ND	500	ug/L
Carbon tetrachloride	ND	250	ug/L
1,2-Dibromoethane	ND	500	ug/L
Benzene	ND	500	ug/L
Trichloroethene	**7900**	**500**	**ug/L**
Bromodichloromethane	ND	500	ug/L
4-Methyl-2-pentanone	ND	2500	ug/L
Toluene	**2500**	**500**	**ug/L**
1,1,2-Trichloroethane	ND	500	ug/L
1,2-Dichloroethane	ND	250	ug/L
Tetrachloroethene	ND	500	ug/L
2-Hexanone	ND	2500	ug/L
Dibromochloromethane	ND	500	ug/L
Chlorobenzene	ND	500	ug/L
1,1,1,2-Tetrachloroethane	ND	500	ug/L
Ethylbenzene	ND	500	ug/L
Vinyl chloride	ND	250	ug/L
Xylenes (total)	ND	500	ug/L
Styrene	ND	500	ug/L
Bromoform	ND	500	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_2_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-009 **Work Order #...:** F04KC1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	500	ug/L
1,1,2,2-Tetrachloroethane	ND	500	ug/L
1,2,3-Trichloropropane	ND	500	ug/L
n-Propylbenzene	ND	500	ug/L
Bromobenzene	ND	500	ug/L
1,3,5-Trimethylbenzene	ND	500	ug/L
2-Chlorotoluene	ND	500	ug/L
4-Chlorotoluene	ND	500	ug/L
tert-Butylbenzene	ND	500	ug/L
1,2,4-Trimethylbenzene	ND	500	ug/L
sec-Butylbenzene	ND	500	ug/L
p-Isopropyltoluene	ND	500	ug/L
1,3-Dichlorobenzene	ND	500	ug/L
1,4-Dichlorobenzene	ND	500	ug/L
n-Butylbenzene	ND	500	ug/L
1,2-Dichlorobenzene	ND	500	ug/L
1,2-Dibromo-3-chloro-propane	ND	1000	ug/L
1,2,4-Trichloro-benzene	ND	500	ug/L
Hexachlorobutadiene	ND	500	ug/L
1,2,3-Trichlorobenzene	ND	500	ug/L
Acrolein	ND	10000	ug/L
Acrylonitrile	ND	10000	ug/L
Iodomethane	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	2500	ug/L
Tetrahydrofuran	ND	5000	ug/L
Vinyl acetate	ND	2500	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(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: DAC_P1_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-010 **Work Order #...:** F04KE1AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 15:00 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	250	ug/L
Chloromethane	ND	500	ug/L
Chloroethane	ND	500	ug/L
Bromomethane	ND	500	ug/L
Trichlorofluoromethane	ND	500	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/L
1,1-Dichloroethene	ND	250	ug/L
Methylene chloride	ND	250	ug/L
Methyl tert-butyl ether	ND	250	ug/L
Carbon disulfide	ND	250	ug/L
Acetone	ND	2500	ug/L
trans-1,2-Dichloroethene	ND	250	ug/L
1,1-Dichloroethane	ND	250	ug/L
2,2-Dichloropropane	ND	250	ug/L
cis-1,2-Dichloroethene	**120 J**	**250**	**ug/L**
Chloroform	ND	250	ug/L
Bromochloromethane	ND	250	ug/L
1,1,1-Trichloroethane	ND	250	ug/L
2-Butanone	ND	1200	ug/L
1,1-Dichloropropene	ND	250	ug/L
Carbon tetrachloride	ND	120	ug/L
1,2-Dibromoethane	ND	250	ug/L
Benzene	ND	250	ug/L
Trichloroethene	**12000**	**250**	**ug/L**
Bromodichloromethane	ND	250	ug/L
4-Methyl-2-pentanone	ND	1200	ug/L
Toluene	ND	250	ug/L
1,1,2-Trichloroethane	ND	250	ug/L
1,2-Dichloroethane	ND	120	ug/L
Tetrachloroethene	ND	250	ug/L
2-Hexanone	ND	1200	ug/L
Dibromochloromethane	ND	250	ug/L
Chlorobenzene	ND	250	ug/L
1,1,1,2-Tetrachloroethane	ND	250	ug/L
Ethylbenzene	ND	250	ug/L
Vinyl chloride	ND	120	ug/L
Xylenes (total)	ND	250	ug/L
Styrene	ND	250	ug/L
Bromoform	ND	250	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: DAC_P1_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-010 **Work Order #...:** F04KE1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	250	ug/L
1,1,2,2-Tetrachloroethane	ND	250	ug/L
1,2,3-Trichloropropane	ND	250	ug/L
n-Propylbenzene	ND	250	ug/L
Bromobenzene	ND	250	ug/L
1,3,5-Trimethylbenzene	ND	250	ug/L
2-Chlorotoluene	ND	250	ug/L
4-Chlorotoluene	ND	250	ug/L
tert-Butylbenzene	ND	250	ug/L
1,2,4-Trimethylbenzene	ND	250	ug/L
sec-Butylbenzene	ND	250	ug/L
p-Isopropyltoluene	ND	250	ug/L
1,3-Dichlorobenzene	ND	250	ug/L
1,4-Dichlorobenzene	ND	250	ug/L
n-Butylbenzene	ND	250	ug/L
1,2-Dichlorobenzene	ND	250	ug/L
1,2-Dibromo-3-chloro-propane	ND	500	ug/L
1,2,4-Trichloro-benzene	ND	250	ug/L
Hexachlorobutadiene	ND	250	ug/L
1,2,3-Trichlorobenzene	ND	250	ug/L
Acrolein	ND	5000	ug/L
Acrylonitrile	ND	5000	ug/L
Iodomethane	ND	500	ug/L
2-Chloroethyl vinyl ether	ND	1200	ug/L
Tetrahydrofuran	ND	2500	ug/L
Vinyl acetate	ND	1200	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	98	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E3I240379

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		3268215	3268098
002	WATER	SW846 8260B		3268215	3268098
003	WATER	SW846 8260B		3268215	3268098
004	WATER	SW846 8260B		3268215	3268098
005	WATER	SW846 8260B		3268215	3268098
006	WATER	SW846 8260B		3268215	3268098
007	WATER	SW846 8260B		3268215	3268098
008	WATER	SW846 8260B		3268215	3268098
009	WATER	SW846 8260B		3268215	3268098
010	WATER	SW846 8260B		3268215	3268098

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3I240379 **Work Order #...:** F04921AA **Matrix.....:** WATER
MB Lot-Sample #: E3I250000-215

Prep Date.....: 09/24/03
Analysis Date..: 09/24/03 **Prep Batch #...:** 3268215

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	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
Vinyl chloride	ND	0.50	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
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3I240379 **Work Order #...:** F04921AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
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
Acrylonitrile	ND	20	ug/L	SW846 8260B
Iodomethane	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	99	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	103	(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 #...: E3I240379 **Work Order #...:** F04921AC **Matrix.....:** WATER
LCS Lot-Sample#: E3I250000-215
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268215

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**108**	**(65 - 135)**	**SW846 8260B**
Benzene	**103**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**103**	**(75 - 135)**	**SW846 8260B**
Toluene	**102**	**(75 - 125)**	**SW846 8260B**
Chlorobenzene	**100**	**(75 - 125)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(75 - 130)
1,2-Dichloroethane-d4	92	(65 - 135)
Toluene-d8	101	(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 #...: E3I240379 **Work Order #...:** F04921AC **Matrix.....:** WATER
LCS Lot-Sample#: E3I250000-215
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268215

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**
Benzene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
Trichloroethene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
Toluene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.0**	**ug/L**	**100**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(75 - 130)
1,2-Dichloroethane-d4	92	(65 - 135)
Toluene-d8	101	(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 #...: E3I240379 **Work Order #...:** F04J21AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E3I240379-003 F04J21AD-MSD
Date Sampled...: 09/24/03 10:20 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	105	(65 - 135)			SW846 8260B
	100	(65 - 135)	2.8	(0-25)	SW846 8260B
Benzene	104	(75 - 125)			SW846 8260B
	101	(75 - 125)	2.2	(0-25)	SW846 8260B
Trichloroethene	112	(75 - 135)			SW846 8260B
	109	(75 - 135)	0.65	(0-25)	SW846 8260B
Toluene	102	(75 - 125)			SW846 8260B
	99	(75 - 125)	3.8	(0-25)	SW846 8260B
Chlorobenzene	98	(75 - 125)			SW846 8260B
	98	(75 - 125)	0.61	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 - 130)
	97	(75 - 130)
1,2-Dichloroethane-d4	99	(65 - 135)
	95	(65 - 135)
Toluene-d8	103	(80 - 130)
	100	(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 #...: E3I240379 **Work Order #...:** F04J21AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E3I240379-003 F04J21AD-MSD
Date Sampled...: 09/24/03 10:20 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	520	500	1040	ug/L	105		SW846 8260B
	520	500	1020	ug/L	100	2.8	SW846 8260B
Benzene	ND	500	518	ug/L	104		SW846 8260B
	ND	500	507	ug/L	101	2.2	SW846 8260B
Trichloroethene	1700	500	2310	ug/L	112		SW846 8260B
	1700	500	2300	ug/L	109	0.65	SW846 8260B
Toluene	ND	500	512	ug/L	102		SW846 8260B
	ND	500	493	ug/L	99	3.8	SW846 8260B
Chlorobenzene	ND	500	488	ug/L	98		SW846 8260B
	ND	500	491	ug/L	98	0.61	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 - 130)
	97	(75 - 130)
1,2-Dichloroethane-d4	99	(65 - 135)
	95	(65 - 135)
Toluene-d8	103	(80 - 130)
	100	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

ANALYTICAL REPORT

PROJECT NO. C-6 TORRANCE

Boeing C-6/Tait EM2303

CH2M Hill

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

September 29, 2003

ANALYTICAL REPORT

PROJECT NO. C-6 TORRANCE

Boeing C-6/Tait EM2303

Karen Adkison

Tait Environmental

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

September 29, 2003

EXECUTIVE SUMMARY - Detection Highlights

E3I240167

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TB_TAIT092303_0001 09/23/03 001				
Acetone	3.6 J	10	ug/L	SW846 8260B
EB_TAIT092303_0001 09/23/03 10:15 002				
Acetone	3.4 J	10	ug/L	SW846 8260B
WCC_55_WG092303_0001 09/23/03 11:05 003				
Trichlorofluoromethane	0.70 J	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	4.7	1.0	ug/L	SW846 8260B
Trichloroethene	1.3	1.0	ug/L	SW846 8260B
Toluene	0.92 J	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.34 J	1.0	ug/L	SW846 8260B
TMW_10_WG092303_0001 09/23/03 12:10 004				
Dichlorodifluoromethane	1.5	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	1.2 J	2.0	ug/L	SW846 8260B
Chloroform	2.6	1.0	ug/L	SW846 8260B
Trichloroethene	4.3	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.85 J	1.0	ug/L	SW846 8260B
TMW_11_WG092303_0001 09/23/03 13:40 005				
Chloroform	440	10	ug/L	SW846 8260B
Carbon tetrachloride	3.2 J	5.0	ug/L	SW846 8260B
Trichloroethene	7.5 J	10	ug/L	SW846 8260B
Tetrachloroethene	4.9 J	10	ug/L	SW846 8260B
TMW_14_WG092303_0001 09/23/03 14:15 006				
Chloroform	2.4	1.0	ug/L	SW846 8260B
Carbon tetrachloride	1.6	0.50	ug/L	SW846 8260B
Trichloroethene	11	1.0	ug/L	SW846 8260B
Tetrachloroethene	1.6	1.0	ug/L	SW846 8260B
TMW_15_WG092303_0001 09/23/03 15:10 008				
1,1-Dichloroethene	0.54 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.6	1.0	ug/L	SW846 8260B
Chloroform	4.0	1.0	ug/L	SW846 8260B
Trichloroethene	24	1.0	ug/L	SW846 8260B

METHODS SUMMARY

E3I240167

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

E3I240167

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F018Q	001	TB_TAIT092303_0001	09/23/03	
F0182	002	EB_TAIT092303_0001	09/23/03	10:15
F0184	003	WCC_55_WG092303_0001	09/23/03	11:05
F0188	004	TMW_10_WG092303_0001	09/23/03	12:10
F019A	005	TMW_11_WG092303_0001	09/23/03	13:40
F019D	006	TMW_14_WG092303_0001	09/23/03	14:15
F019F	007	FB_TAIT092303_0001	09/23/03	14:45
F019L	008	TMW_15_WG092303_0001	09/23/03	15:10

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: TB_TAIT092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-001 **Work Order #...:** F018Q1AA **Matrix.....:** WATER
Date Sampled...: 09/23/03 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	**3.6 J**	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-001 **Work Order #...:** F018Q1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	93	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-002 **Work Order #...:** F01821AA **Matrix.....:** WATER
Date Sampled...: 09/23/03 10:15 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	**3.4 J**	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-002 **Work Order #...:** F01821AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(75 - 130)
1,2-Dichloroethane-d4	104	(65 - 135)
Toluene-d8	103	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: WCC_55_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-003 **Work Order #...:** F01841AA **Matrix.....:** WATER
Date Sampled...: 09/23/03 11:05 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	**0.70 J**	**2.0**	**ug/L**
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	**4.7**	**1.0**	**ug/L**
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	ND	10	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	**1.3**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	**0.92 J**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	**0.34 J**	**1.0**	**ug/L**
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: WCC_55_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-003 **Work Order #...:** F01841AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 - 130)
1,2-Dichloroethane-d4	101	(65 - 135)
Toluene-d8	97	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_10_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-004 **Work Order #...:** F01881AA **Matrix.....:** WATER
Date Sampled...: 09/23/03 12:10 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	**1.5**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	**1.2 J**	**2.0**	**ug/L**
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	ND	10	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	**2.6**	**1.0**	**ug/L**
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	**4.3**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	**0.85 J**	**1.0**	**ug/L**
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_10_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-004 **Work Order #...:** F01881AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	105	(65 - 135)
Toluene-d8	97	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_11_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-005 **Work Order #...:** F019A1AA **Matrix.....:** WATER
Date Sampled...: 09/23/03 13:40 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	10	ug/L
Chloromethane	ND	20	ug/L
Chloroethane	ND	20	ug/L
Bromomethane	ND	20	ug/L
Trichlorofluoromethane	ND	20	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
Methylene chloride	ND	10	ug/L
Methyl tert-butyl ether	ND	10	ug/L
Carbon disulfide	ND	10	ug/L
Acetone	ND	100	ug/L
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethane	ND	10	ug/L
2,2-Dichloropropane	ND	10	ug/L
cis-1,2-Dichloroethene	ND	10	ug/L
Chloroform	**440**	**10**	**ug/L**
Bromochloromethane	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
2-Butanone	ND	50	ug/L
1,1-Dichloropropene	ND	10	ug/L
Carbon tetrachloride	**3.2 J**	**5.0**	**ug/L**
1,2-Dibromoethane	ND	10	ug/L
Benzene	ND	10	ug/L
Trichloroethene	**7.5 J**	**10**	**ug/L**
Bromodichloromethane	ND	10	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
Toluene	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
Tetrachloroethene	**4.9 J**	**10**	**ug/L**
2-Hexanone	ND	50	ug/L
Dibromochloromethane	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
Ethylbenzene	ND	10	ug/L
Vinyl chloride	ND	5.0	ug/L
Xylenes (total)	ND	10	ug/L
Styrene	ND	10	ug/L
Bromoform	ND	10	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_11_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-005 **Work Order #...:** F019A1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
n-Propylbenzene	ND	10	ug/L
Bromobenzene	ND	10	ug/L
1,3,5-Trimethylbenzene	ND	10	ug/L
2-Chlorotoluene	ND	10	ug/L
4-Chlorotoluene	ND	10	ug/L
tert-Butylbenzene	ND	10	ug/L
1,2,4-Trimethylbenzene	ND	10	ug/L
sec-Butylbenzene	ND	10	ug/L
p-Isopropyltoluene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
n-Butylbenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,2-Dibromo-3-chloro-propane	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
1,2,3-Trichlorobenzene	ND	10	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Iodomethane	ND	20	ug/L
2-Chloroethyl vinyl ether	ND	50	ug/L
Tetrahydrofuran	ND	100	ug/L
Vinyl acetate	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(75 - 130)
1,2-Dichloroethane-d4	98	(65 - 135)
Toluene-d8	94	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_14_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-006 **Work Order #...:** F019D1AA **Matrix.....:** WATER
Date Sampled...: 09/23/03 14:15 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	ND	10	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	**2.4**	**1.0**	**ug/L**
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	**1.6**	**0.50**	**ug/L**
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	**11**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	**1.6**	**1.0**	**ug/L**
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_14_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-006 **Work Order #...:** F019D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	92	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: FB_TAIT092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-007 **Work Order #...:** F019F1AA **Matrix.....:** WATER
Date Sampled...: 09/23/03 14:45 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322 **Method.....:** SW846 8260B

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

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TAIT ENVIRONMENTAL

Client Sample ID: FB_TAIT092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-007 **Work Order #...:** F019F1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	94	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_15_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-008 **Work Order #...:** F019L1AA **Matrix.....:** WATER
Date Sampled...: 09/23/03 15:10 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	**0.54 J**	**1.0**	**ug/L**
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	ND	10	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.6**	**1.0**	**ug/L**
Chloroform	**4.0**	**1.0**	**ug/L**
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	**24**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_15_WG092303_0001

GC/MS Volatiles

Lot-Sample #...: E3I240167-008 **Work Order #...:** F019L1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 - 130)
1,2-Dichloroethane-d4	101	(65 - 135)
Toluene-d8	95	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E3I240167

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		3268322	3268153
002	WATER	SW846 8260B		3268322	3268153
003	WATER	SW846 8260B		3268322	3268153
004	WATER	SW846 8260B		3268322	3268153
005	WATER	SW846 8260B		3268322	3268154
006	WATER	SW846 8260B		3268322	3268153
007	WATER	SW846 8260B		3268322	3268153
008	WATER	SW846 8260B		3268322	3268153

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3I240167 **Work Order #...:** F05Q81AA **Matrix.....:** WATER
MB Lot-Sample #: E3I250000-322

Prep Date.....: 09/24/03
Analysis Date..: 09/24/03 **Prep Batch #...:** 3268322

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	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
Vinyl chloride	ND	0.50	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
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3I240167 **Work Order #...:** F05Q81AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
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
Acrylonitrile	ND	20	ug/L	SW846 8260B
Iodomethane	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	99	(75 - 130)
1,2-Dichloroethane-d4	101	(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 EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E3I240167 **Work Order #...:** F05Q81AC **Matrix.....:** WATER
LCS Lot-Sample#: E3I250000-322
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**104**	**(65 - 135)**	**SW846 8260B**
Benzene	**98**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**103**	**(75 - 135)**	**SW846 8260B**
Toluene	**106**	**(75 - 125)**	**SW846 8260B**
Chlorobenzene	**100**	**(75 - 125)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	94	(65 - 135)
Toluene-d8	107	(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 #...: E3I240167 **Work Order #...:** F05Q81AC **Matrix.....:** WATER
LCS Lot-Sample#: E3I250000-322
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268322

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
Benzene	**10.0**	**9.78**	**ug/L**	**98**	**SW846 8260B**
Trichloroethene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
Toluene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.96**	**ug/L**	**100**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 130)
1,2-Dichloroethane-d4	94	(65 - 135)
Toluene-d8	107	(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 #...: E3I240167 **Work Order #...:** F01881AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E3I240167-004 F01881AD-MSD
Date Sampled...: 09/23/03 12:10 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268322

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	95	(65 - 135)			SW846 8260B
	80	(65 - 135)	17	(0-25)	SW846 8260B
Benzene	91	(75 - 125)			SW846 8260B
	95	(75 - 125)	3.8	(0-25)	SW846 8260B
Trichloroethene	93	(75 - 135)			SW846 8260B
	97	(75 - 135)	3.0	(0-25)	SW846 8260B
Toluene	99	(75 - 125)			SW846 8260B
	100	(75 - 125)	1.0	(0-25)	SW846 8260B
Chlorobenzene	96	(75 - 125)			SW846 8260B
	97	(75 - 125)	0.31	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
	105	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
	103	(65 - 135)
Toluene-d8	99	(80 - 130)
	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 #...: E3I240167 **Work Order #...:** F01881AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E3I240167-004 F01881AD-MSD
Date Sampled...: 09/23/03 12:10 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268322

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.48	ug/L	95		SW846 8260B
	ND	10.0	8.03	ug/L	80	17	SW846 8260B
Benzene	ND	10.0	9.14	ug/L	91		SW846 8260B
	ND	10.0	9.49	ug/L	95	3.8	SW846 8260B
Trichloroethene	4.3	10.0	13.6	ug/L	93		SW846 8260B
	4.3	10.0	14.0	ug/L	97	3.0	SW846 8260B
Toluene	ND	10.0	9.87	ug/L	99		SW846 8260B
	ND	10.0	9.97	ug/L	100	1.0	SW846 8260B
Chlorobenzene	ND	10.0	9.63	ug/L	96		SW846 8260B
	ND	10.0	9.66	ug/L	97	0.31	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
	105	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
	103	(65 - 135)
Toluene-d8	99	(80 - 130)
	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 EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E3I240167 **Work Order #...:** F019A1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E3I240167-005 F019A1AD-MSD
Date Sampled...: 09/23/03 13:40 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268322

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	98	(65 - 135)			SW846 8260B
	96	(65 - 135)	2.3	(0-25)	SW846 8260B
Benzene	100	(75 - 125)			SW846 8260B
	98	(75 - 125)	2.4	(0-25)	SW846 8260B
Trichloroethene	100	(75 - 135)			SW846 8260B
	98	(75 - 135)	1.8	(0-25)	SW846 8260B
Toluene	102	(75 - 125)			SW846 8260B
	104	(75 - 125)	2.2	(0-25)	SW846 8260B
Chlorobenzene	99	(75 - 125)			SW846 8260B
	99	(75 - 125)	0.19	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(75 - 130)
	113	(75 - 130)
1,2-Dichloroethane-d4	104	(65 - 135)
	102	(65 - 135)
Toluene-d8	103	(80 - 130)
	104	(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 #...: E3I240167 **Work Order #...:** F019A1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E3I240167-005 F019A1AD-MSD
Date Sampled...: 09/23/03 13:40 **Date Received..:** 09/23/03 17:25
Prep Date.....: 09/24/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268322

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	100	97.8	ug/L	98		SW846 8260B
	ND	100	95.6	ug/L	96	2.3	SW846 8260B
Benzene	ND	100	100	ug/L	100		SW846 8260B
	ND	100	97.6	ug/L	98	2.4	SW846 8260B
Trichloroethene	7.5	100	107	ug/L	100		SW846 8260B
	7.5	100	106	ug/L	98	1.8	SW846 8260B
Toluene	ND	100	102	ug/L	102		SW846 8260B
	ND	100	104	ug/L	104	2.2	SW846 8260B
Chlorobenzene	ND	100	99.2	ug/L	99		SW846 8260B
	ND	100	99.0	ug/L	99	0.19	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(75 - 130)
	113	(75 - 130)
1,2-Dichloroethane-d4	104	(65 - 135)
	102	(65 - 135)
Toluene-d8	103	(80 - 130)
	104	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

APPENDIX C

Data Validation

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Haley & Aldrich, Inc.
9040 Friars Road, Suite 220
San Diego, CA 92108
ATTN: Ms. Beth Breitenbach

November 19, 2003

SUBJECT: Boeing C-6, Data Validation

Dear Ms. Breitenbach,

Enclosed is the final validation reports for the fraction listed below. This SDG was received on November 10, 2003. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 11095:

SDG #	Fraction
EM2303	Volatiles

The data validation was performed under Tier 1, Tier 2 and Tier 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996

Please feel free to contact us if you have any questions.

Sincerely,

Steven A. Ziliak
Senior Chemist

11095COV.wpd

Attachment 1

LDC #11095 (Haley & Aldrich, Inc.-San Diego / Boeing Building C-6)

LDC	SDG#	DATE REC'D	DATE DUE	VOA (8260B)																															
Matrix	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	EM2303	11-10-03	11-24-03	5	0	Tier 2																													
A	EM2303	11-10-03	11-24-03	1	0	Tier 3																													
A	EM2303	11-10-03	11-24-03	3	0	Tier 1																													
Total	TH			9	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Shaded cells indicate Tier III validation (all other cells are Tier II validation). Sample counts do not include MS, MSD, or DUP's.

11095ST.wpd

Boeing Building C-6 EM2303
Data Validation Reports
LDC# 11095

Volatiles

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Boeing Building C-6 EM2303

Collection Date: September 24, 2003

LDC Report Date: November 18, 2003

Matrix: Water

Parameters: Volatiles

Validation Level: Tier 1, Tier 2, & Tier 3

Laboratory: Severn Trent Laboratories

Sample Delivery Group (SDG): E3I240379

Sample Identification

TB_TAIT092403_0001
EB_TAIT092403_0001
TMW_7_WG092403_0001*
TMW_7_WG092403_0002*
TMW_4_WG092403_0001*
TMW_6_WG092403_0001**
FB_TAIT092403_0001
TMW_1_WG092403_0001*
TMW_2_WG092403_0001*
DAC_P1_WG092403_0001
TMW_7_WG092403_0001MS
TMW_7_WG092403_0001MSD

*Indicates sample underwent a Tier 2 review
**Indicates sample underwent a Tier 3 review
All others samples underwent a Tier 1 review

Introduction

This data review covers 12 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 or Tier 1 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-C6-0008765

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 was checked at 12 hour intervals.

All ion abundance requirements were met.

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
9/23/03	Bromoform 1,2-Dibromo-3-chloropropane Vinyl acetate	30.51 40.836 34.785	All samples in SDG E3I240379	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
9/23/03	Acetone 2-Butanone 2-Chloroethylvinyl ether 1,2-Dibromo-3-chloropropane Tetrahydrofuran	0.01771 (≥0.05) 0.03321 (>0.05) 0.03026 (≥0.05) 0.03628 (≥0.05) 0.02421 (≥0.05)	All samples in SDG E3I240379	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.

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
9/24/03	Acetone 2-Butanone 2-Chloroethylvinyl ether 1,2-Dibromo-3-chloropropane Tetrahydrofuran	0.01976 (≥0.05) 0.03462 (≥0.05) 0.02857 (≥0.05) 0.02947 (≥0.05) 0.02467 (≥0.05)	All samples in SDG E3I240379	J (all detects) UJ (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. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

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.

BOE-C6-0008767

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 or Tier 1 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 or Tier 1 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 or Tier 1 criteria.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples TMW_7_WG092403_0001* and TMW_7_WG092403_0002* were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	TMW_7_WG092403_0001*	TMW_7_WG092403_0002*	
1,1-Dichloroethene	520	530	2
cis-1,2-Dichloroethene	15	50U	200
Trichloroethene	1700	1700	0

XVII. Field Blanks

Sample TB_TAIT092403_0001 was identified as a trip blank. No volatile contaminants were found in this blank with the following exceptions:

BOE-C6-0008768

Trip Blank ID	Compound	Concentration (ug/L)
TB_TAIT092403_0001	Acetone	6.2

Sample EB_TAIT092403_0001 was identified as an equipment blank. No volatile contaminants were found in this blank with the following exceptions:

Equipment Blank ID	Compound	Concentration (ug/L)
EB_TAIT092403_0001	Acetone 2-Butanone	7.0 8.8

Sample FB_TAIT092403_0001 was identified as a field blank. No volatile contaminants were found in this blank.

Boeing Building C-6 EM2303
Volatiles - Data Qualification Summary - SDG E3I240379

SDG	Sample	Compound	Flag	A or P	Reason
E3I240379	TB_TAIT092403_0001 EB_TAIT092403_0001 TMW_7_WG092403_0001* TMW_7_WG092403_0002* TMW_4_WG092403_0001* TMW_6_WG092403_0001** FB_TAIT092403_0001 TMW_1_WG092403_0001* TMW_2_WG092403_0001* DAC_P1_WG092403_0001	Bromoform 1,2-Dibromo-3-chloropropane Vinyl acetate	J (all detects) UJ (all non-detects)	A	Initial calibration (%RSD)
E3I240379	TB_TAIT092403_0001 EB_TAIT092403_0001 TMW_7_WG092403_0001* TMW_7_WG092403_0002* TMW_4_WG092403_0001* TMW_6_WG092403_0001** FB_TAIT092403_0001 TMW_1_WG092403_0001* TMW_2_WG092403_0001* DAC_P1_WG092403_0001	Acetone 2-Butanone 2-Chloroethylvinyl ether 1,2-Dibromo-3-chloropropane Tetrahydrofuran	J (all detects) UJ (all non-detects)	A	Initial calibration (RRF)
E3I240379	TB_TAIT092403_0001 EB_TAIT092403_0001 TMW_7_WG092403_0001* TMW_7_WG092403_0002* TMW_4_WG092403_0001* TMW_6_WG092403_0001** FB_TAIT092403_0001 TMW_1_WG092403_0001* TMW_2_WG092403_0001* DAC_P1_WG092403_0001	Acetone 2-Butanone 2-Chloroethylvinyl ether 1,2-Dibromo-3-chloropropane Tetrahydrofuran	J (all detects) UJ (all non-detects)	A	Continuing calibration (RRF)

Boeing Building C-6 EM2303
Volatiles - Laboratory Blank Data Qualification Summary - SDG E3I240379

No Sample Data Qualified in this SDG

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-001 Work Order #...: F04JP1AA Matrix.....: WATER
Date Sampled...: 09/24/03 Date Received..: 09/24/03 16:10
Prep Date.....: 09/24/03 Analysis Date..: 09/24/03
Prep Batch #...: 3268215 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	**6.2 J** J	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	ND UJ	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND UJ	1.0	ug/L

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MIB

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-001 Work Order #...: F04JP1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND UJ	5.0	ug/L
Tetrahydrofuran	ND UJ	10	ug/L
Vinyl acetate	ND UJ	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(75 - 130)
1,2-Dichloroethane-d4	90	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

1182

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-002 Work Order #...: F04JW1AA Matrix.....: WATER
Date Sampled...: 09/24/03 09:40 Date Received..: 09/24/03 16:10
Prep Date.....: 09/24/03 Analysis Date..: 09/24/03
Prep Batch #...: 3268215 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	**7.0 J** J	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	**8.8** J	**5.0**	**ug/L**
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND WJ	1.0	ug/L

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11182

TAIT ENVIRONMENTAL

Client Sample ID: EB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-002 Work Order #...: F04JW1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND UJ	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	98	(65 - 135)
Toluene-d8	98	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

MHB

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-003 Work Order #...: F04J21AA Matrix.....: WATER
Date Sampled...: 09/24/03 10:20 Date Received..: 09/24/03 16:10
Prep Date.....: 09/24/03 Analysis Date..: 09/24/03
Prep Batch #...: 3268215 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	50	ug/L
Chloromethane	ND	100	ug/L
Chloroethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Trichlorofluoromethane	ND	100	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L
1,1-Dichloroethene	**520**	**50**	**ug/L**
Methylene chloride	ND	50	ug/L
Methyl tert-butyl ether	ND	50	ug/L
Carbon disulfide	ND	50	ug/L
Acetone	ND UJ	500	ug/L
trans-1,2-Dichloroethene	ND	50	ug/L
1,1-Dichloroethane	ND	50	ug/L
2,2-Dichloropropane	ND	50	ug/L
cis-1,2-Dichloroethene	**15 J**	**50**	**ug/L**
Chloroform	ND	50	ug/L
Bromochloromethane	ND	50	ug/L
1,1,1-Trichloroethane	ND	50	ug/L
2-Butanone	ND UJ	250	ug/L
1,1-Dichloropropene	ND	50	ug/L
Carbon tetrachloride	ND	25	ug/L
1,2-Dibromoethane	ND	50	ug/L
Benzene	ND	50	ug/L
Trichloroethene	**1700**	**50**	**ug/L**
Bromodichloromethane	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Toluene	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
1,2-Dichloroethane	ND	25	ug/L
Tetrachloroethene	ND	50	ug/L
2-Hexanone	ND	250	ug/L
Dibromochloromethane	ND	50	ug/L
Chlorobenzene	ND	50	ug/L
1,1,1,2-Tetrachloroethane	ND	50	ug/L
Ethylbenzene	ND	50	ug/L
Vinyl chloride	ND	25	ug/L
Xylenes (total)	ND	50	ug/L
Styrene	ND	50	ug/L
Bromoform	ND UJ	50	ug/L

(Continued on next page)

MMB2

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-003 Work Order #...: F04J21AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	50	ug/L
1,1,2,2-Tetrachloroethane	ND	50	ug/L
1,2,3-Trichloropropane	ND	50	ug/L
n-Propylbenzene	ND	50	ug/L
Bromobenzene	ND	50	ug/L
1,3,5-Trimethylbenzene	ND	50	ug/L
2-Chlorotoluene	ND	50	ug/L
4-Chlorotoluene	ND	50	ug/L
tert-Butylbenzene	ND	50	ug/L
1,2,4-Trimethylbenzene	ND	50	ug/L
sec-Butylbenzene	ND	50	ug/L
p-Isopropyltoluene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
n-Butylbenzene	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	100	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
1,2,3-Trichlorobenzene	ND	50	ug/L
Acrolein	ND	1000	ug/L
Acrylonitrile	ND	1000	ug/L
Iodomethane	ND	100	ug/L
2-Chloroethyl vinyl ether	ND UJ	250	ug/L
Tetrahydrofuran	ND	500	ug/L
Vinyl acetate	ND	250	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	91	(65 - 135)
Toluene-d8	98	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_WG092403_0002

GC/MS Volatiles

Lot-Sample #...: E3I240379-004 Work Order #...: F04J41AA Matrix.....: WATER
Date Sampled...: 09/24/03 10:20 Date Received..: 09/24/03 16:10
Prep Date.....: 09/24/03 Analysis Date..: 09/24/03
Prep Batch #...: 3268215 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	50	ug/L
Chloromethane	ND	100	ug/L
Chloroethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Trichlorofluoromethane	ND	100	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L
1,1-Dichloroethene	**530**	**50**	**ug/L**
Methylene chloride	ND	50	ug/L
Methyl tert-butyl ether	ND	50	ug/L
Carbon disulfide	ND	50	ug/L
Acetone	ND UJ	500	ug/L
trans-1,2-Dichloroethene	ND	50	ug/L
1,1-Dichloroethane	ND	50	ug/L
2,2-Dichloropropane	ND	50	ug/L
cis-1,2-Dichloroethene	ND	50	ug/L
Chloroform	ND	50	ug/L
Bromochloromethane	ND	50	ug/L
1,1,1-Trichloroethane	ND	50	ug/L
2-Butanone	ND UJ	250	ug/L
1,1-Dichloropropene	ND	50	ug/L
Carbon tetrachloride	ND	25	ug/L
1,2-Dibromoethane	ND	50	ug/L
Benzene	ND	50	ug/L
Trichloroethene	**1700**	**50**	**ug/L**
Bromodichloromethane	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Toluene	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
1,2-Dichloroethane	ND	25	ug/L
Tetrachloroethene	ND	50	ug/L
2-Hexanone	ND	250	ug/L
Dibromochloromethane	ND	50	ug/L
Chlorobenzene	ND	50	ug/L
1,1,1,2-Tetrachloroethane	ND	50	ug/L
Ethylbenzene	ND	50	ug/L
Vinyl chloride	ND	25	ug/L
Xylenes (total)	ND	50	ug/L
Styrene	ND	50	ug/L
Bromoform	ND UJ	50	ug/L

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_7_WG092403_0002

GC/MS Volatiles

Lot-Sample #...: E3I240379-004 **Work Order #...:** F04J41AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	50	ug/L
1,1,2,2-Tetrachloroethane	ND	50	ug/L
1,2,3-Trichloropropane	ND	50	ug/L
n-Propylbenzene	ND	50	ug/L
Bromobenzene	ND	50	ug/L
1,3,5-Trimethylbenzene	ND	50	ug/L
2-Chlorotoluene	ND	50	ug/L
4-Chlorotoluene	ND	50	ug/L
tert-Butylbenzene	ND	50	ug/L
1,2,4-Trimethylbenzene	ND	50	ug/L
sec-Butylbenzene	ND	50	ug/L
p-Isopropyltoluene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
n-Butylbenzene	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	100	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
1,2,3-Trichlorobenzene	ND	50	ug/L
Acrolein	ND	1000	ug/L
Acrylonitrile	ND	1000	ug/L
Iodomethane	ND	100	ug/L
2-Chloroethyl vinyl ether	ND UJ	250	ug/L
Tetrahydrofuran	ND	500	ug/L
Vinyl acetate	ND	250	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	95	(65 - 135)
Toluene-d8	96	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_4_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-005 Work Order #...: F04J51AA Matrix.....: WATER
Date Sampled...: 09/24/03 11:10 Date Received..: 09/24/03 16:10
Prep Date.....: 09/25/03 Analysis Date..: 09/25/03
Prep Batch #...: 3268215 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	50	ug/L
Chloromethane	ND	100	ug/L
Chloroethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Trichlorofluoromethane	ND	100	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L
1,1-Dichloroethene	**1400**	**50**	**ug/L**
Methylene chloride	ND	50	ug/L
Methyl tert-butyl ether	ND	50	ug/L
Carbon disulfide	ND	50	ug/L
Acetone	ND UJ	500	ug/L
trans-1,2-Dichloroethene	**32 J**	**50**	**ug/L**
1,1-Dichloroethane	**23 J**	**50**	**ug/L**
2,2-Dichloropropane	ND	50	ug/L
cis-1,2-Dichloroethene	**48 J**	**50**	**ug/L**
Chloroform	ND	50	ug/L
Bromochloromethane	ND	50	ug/L
1,1,1-Trichloroethane	ND	50	ug/L
2-Butanone	ND UJ	250	ug/L
1,1-Dichloropropene	ND	50	ug/L
Carbon tetrachloride	ND	25	ug/L
1,2-Dibromoethane	ND	50	ug/L
Benzene	ND	50	ug/L
Trichloroethene	**2200**	**50**	**ug/L**
Bromodichloromethane	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Toluene	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
1,2-Dichloroethane	ND	25	ug/L
Tetrachloroethene	ND	50	ug/L
2-Hexanone	ND	250	ug/L
Dibromochloromethane	ND	50	ug/L
Chlorobenzene	ND	50	ug/L
1,1,1,2-Tetrachloroethane	ND	50	ug/L
Ethylbenzene	ND	50	ug/L
Vinyl chloride	ND	25	ug/L
Xylenes (total)	ND	50	ug/L
Styrene	ND	50	ug/L
Bromoform	ND UJ	50	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_4_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-005 Work Order #...: F04J51AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	50	ug/L
1,1,2,2-Tetrachloroethane	ND	50	ug/L
1,2,3-Trichloropropane	ND	50	ug/L
n-Propylbenzene	ND	50	ug/L
Bromobenzene	ND	50	ug/L
1,3,5-Trimethylbenzene	ND	50	ug/L
2-Chlorotoluene	ND	50	ug/L
4-Chlorotoluene	ND	50	ug/L
tert-Butylbenzene	ND	50	ug/L
1,2,4-Trimethylbenzene	ND	50	ug/L
sec-Butylbenzene	ND	50	ug/L
p-Isopropyltoluene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
n-Butylbenzene	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	100	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
1,2,3-Trichlorobenzene	ND	50	ug/L
Acrolein	ND	1000	ug/L
Acrylonitrile	ND	1000	ug/L
Iodomethane	ND	100	ug/L
2-Chloroethyl vinyl ether	ND UJ	250	ug/L
Tetrahydrofuran	ND	500	ug/L
Vinyl acetate	ND	250	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(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_6_WG092403_0001**

GC/MS Volatiles

Lot-Sample #...: E3I240379-006 **Work Order #...:** F04J61AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 11:50 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/L
1,1-Dichloroethene	**6.2**	**5.0**	**ug/L**
Methylene chloride	ND	5.0	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Carbon disulfide	ND	5.0	ug/L
Acetone	ND UJ	50	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
cis-1,2-Dichloroethene	ND	5.0	ug/L
Chloroform	**180**	**5.0**	**ug/L**
Bromochloromethane	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
2-Butanone	ND W	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Carbon tetrachloride	ND	2.5	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
Trichloroethene	**80**	**5.0**	**ug/L**
Bromodichloromethane	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
Toluene	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
Tetrachloroethene	ND	5.0	ug/L
2-Hexanone	ND	25	ug/L
Dibromochloromethane	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Vinyl chloride	ND	2.5	ug/L
Xylenes (total)	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Bromoform	ND W	5.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_6_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-006 Work Order #...: F04J61AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
n-Butylbenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	10	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Iodomethane	ND	10	ug/L
2-Chloroethyl vinyl ether	ND UJ	25	ug/L
Tetrahydrofuran	ND	50	ug/L
Vinyl acetate	ND	25	ug/L

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

MB2

TAIT ENVIRONMENTAL

Client Sample ID: FB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-007 **Work Order #...:** F04J81AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 13:15 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/24/03 **Analysis Date..:** 09/24/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Acetone	**13** J	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
2-Butanone	**9.3** J	**5.0**	**ug/L**
1,1-Dichloropropene	ND	1.0	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Xylenes (total)	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND UJ	1.0	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: FB_TAIT092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-007 Work Order #...: F04J81AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND UJ	5.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Vinyl acetate	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(75 130)
1,2-Dichloroethane-d4	99	(65 - 135)
Toluene-d8	98	(80 - 130)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_1_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-008 Work Order #...: F04J91AA Matrix.....: WATER
Date Sampled...: 09/24/03 13:20 Date Received..: 09/24/03 16:10
Prep Date.....: 09/25/03 Analysis Date..: 09/25/03
Prep Batch #...: 3268215 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	25	ug/L
Chloromethane	ND	50	ug/L
Chloroethane	ND	50	ug/L
Bromomethane	ND	50	ug/L
Trichlorofluoromethane	**36 J**	**50**	**ug/L**
1,1,2-Trichlorotrifluoro-ethane	ND	25	ug/L
1,1-Dichloroethene	**180**	**25**	**ug/L**
Methylene chloride	ND	25	ug/L
Methyl tert-butyl ether	ND	25	ug/L
Carbon disulfide	ND	25	ug/L
Acetone	ND UJ	250	ug/L
trans-1,2-Dichloroethene	ND	25	ug/L
1,1-Dichloroethane	ND	25	ug/L
2,2-Dichloropropane	ND	25	ug/L
cis-1,2-Dichloroethene	ND	25	ug/L
Chloroform	ND	25	ug/L
Bromochloromethane	ND	25	ug/L
1,1,1-Trichloroethane	ND	25	ug/L
2-Butanone	ND UJ	120	ug/L
1,1-Dichloropropene	ND	25	ug/L
Carbon tetrachloride	ND	12	ug/L
1,2-Dibromoethane	ND	25	ug/L
Benzene	ND	25	ug/L
Trichloroethene	**1100**	**25**	**ug/L**
Bromodichloromethane	ND	25	ug/L
4-Methyl-2-pentanone	ND	120	ug/L
Toluene	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
1,2-Dichloroethane	ND	12	ug/L
Tetrachloroethene	ND	25	ug/L
2-Hexanone	ND	120	ug/L
Dibromochloromethane	ND	25	ug/L
Chlorobenzene	ND	25	ug/L
1,1,1,2-Tetrachloroethane	ND	25	ug/L
Ethylbenzene	ND	25	ug/L
Vinyl chloride	ND	12	ug/L
Xylenes (total)	ND	25	ug/L
Styrene	ND	25	ug/L
Bromoform	ND UJ	25	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: TMW_1_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-008 Work Order #...: F04J91AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	25	ug/L
1,1,2,2-Tetrachloroethane	ND	25	ug/L
1,2,3-Trichloropropane	ND	25	ug/L
n-Propylbenzene	ND	25	ug/L
Bromobenzene	ND	25	ug/L
1,3,5-Trimethylbenzene	ND	25	ug/L
2-Chlorotoluene	ND	25	ug/L
4-Chlorotoluene	ND	25	ug/L
tert-Butylbenzene	ND	25	ug/L
1,2,4-Trimethylbenzene	ND	25	ug/L
sec-Butylbenzene	ND	25	ug/L
p-Isopropyltoluene	ND	25	ug/L
1,3-Dichlorobenzene	ND	25	ug/L
1,4-Dichlorobenzene	ND	25	ug/L
n-Butylbenzene	ND	25	ug/L
1,2-Dichlorobenzene	ND	25	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	50	ug/L
1,2,4-Trichloro-benzene	ND	25	ug/L
Hexachlorobutadiene	ND	25	ug/L
1,2,3-Trichlorobenzene	ND	25	ug/L
Acrolein	ND	500	ug/L
Acrylonitrile	ND	500	ug/L
Iodomethane	ND	50	ug/L
2-Chloroethyl vinyl ether	ND UJ	120	ug/L
Tetrahydrofuran	ND	250	ug/L
Vinyl acetate	ND	120	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

TAIT ENVIRONMENTAL

Client Sample ID: TMW_2_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-009 Work Order #...: F04KC1AA Matrix.....: WATER
Date Sampled...: 09/24/03 14:00 Date Received..: 09/24/03 16:10
Prep Date.....: 09/25/03 Analysis Date..: 09/25/03
Prep Batch #...: 3268215 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	500	ug/L
Chloromethane	ND	1000	ug/L
Chloroethane	ND	1000	ug/L
Bromomethane	ND	1000	ug/L
Trichlorofluoromethane	ND	1000	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	500	ug/L
1,1-Dichloroethene	**24000**	**500**	**ug/L**
Methylene chloride	ND	500	ug/L
Methyl tert-butyl ether	ND	500	ug/L
Carbon disulfide	ND	500	ug/L
Acetone	**12000** J	**5000**	**ug/L**
trans-1,2-Dichloroethene	**450 J**	**500**	**ug/L**
1,1-Dichloroethane	**1400**	**500**	**ug/L**
2,2-Dichloropropane	ND	500	ug/L
cis-1,2-Dichloroethene	**10000**	**500**	**ug/L**
Chloroform	ND	500	ug/L
Bromochloromethane	ND	500	ug/L
1,1,1-Trichloroethane	**600**	**500**	**ug/L**
2-Butanone	**70000** J	**2500**	**ug/L**
1,1-Dichloropropene	ND	500	ug/L
Carbon tetrachloride	ND	250	ug/L
1,2-Dibromoethane	ND	500	ug/L
Benzene	ND	500	ug/L
Trichloroethene	**7900**	**500**	**ug/L**
Bromodichloromethane	ND	500	ug/L
4-Methyl-2-pentanone	ND	2500	ug/L
Toluene	**2500**	**500**	**ug/L**
1,1,2-Trichloroethane	ND	500	ug/L
1,2-Dichloroethane	ND	250	ug/L
Tetrachloroethene	ND	500	ug/L
2-Hexanone	ND	2500	ug/L
Dibromochloromethane	ND	500	ug/L
Chlorobenzene	ND	500	ug/L
1,1,1,2-Tetrachloroethane	ND	500	ug/L
Ethylbenzene	ND	500	ug/L
Vinyl chloride	ND	250	ug/L
Xylenes (total)	ND	500	ug/L
Styrene	ND	500	ug/L
Bromoform	ND UJ	500	ug/L

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M1182

TAIT ENVIRONMENTAL

Client Sample ID: TMW_2_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-009 Work Order #...: F04KC1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	500	ug/L
1,1,2,2-Tetrachloroethane	ND	500	ug/L
1,2,3-Trichloropropane	ND	500	ug/L
n-Propylbenzene	ND	500	ug/L
Bromobenzene	ND	500	ug/L
1,3,5-Trimethylbenzene	ND	500	ug/L
2-Chlorotoluene	ND	500	ug/L
4-Chlorotoluene	ND	500	ug/L
tert-Butylbenzene	ND	500	ug/L
1,2,4-Trimethylbenzene	ND	500	ug/L
sec-Butylbenzene	ND	500	ug/L
p-Isopropyltoluene	ND	500	ug/L
1,3-Dichlorobenzene	ND	500	ug/L
1,4-Dichlorobenzene	ND	500	ug/L
n-Butylbenzene	ND	500	ug/L
1,2-Dichlorobenzene	ND	500	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	1000	ug/L
1,2,4-Trichloro-benzene	ND	500	ug/L
Hexachlorobutadiene	ND	500	ug/L
1,2,3-Trichlorobenzene	ND	500	ug/L
Acrolein	ND	10000	ug/L
Acrylonitrile	ND	10000	ug/L
Iodomethane	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND UJ	2500	ug/L
Tetrahydrofuran	ND	5000	ug/L
Vinyl acetate	ND	2500	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(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: DAC_P1_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-010 **Work Order #...:** F04KE1AA **Matrix.....:** WATER
Date Sampled...: 09/24/03 15:00 **Date Received..:** 09/24/03 16:10
Prep Date.....: 09/25/03 **Analysis Date..:** 09/25/03
Prep Batch #...: 3268215 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	250	ug/L
Chloromethane	ND	500	ug/L
Chloroethane	ND	500	ug/L
Bromomethane	ND	500	ug/L
Trichlorofluoromethane	ND	500	ug/L
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/L
1,1-Dichloroethene	ND	250	ug/L
Methylene chloride	ND	250	ug/L
Methyl tert-butyl ether	ND	250	ug/L
Carbon disulfide	ND	250	ug/L
Acetone	ND UJ	2500	ug/L
trans-1,2-Dichloroethene	ND	250	ug/L
1,1-Dichloroethane	ND	250	ug/L
2,2-Dichloropropane	ND	250	ug/L
cis-1,2-Dichloroethene	**120 J**	**250**	**ug/L**
Chloroform	ND	250	ug/L
Bromochloromethane	ND	250	ug/L
1,1,1-Trichloroethane	ND	250	ug/L
2-Butanone	ND UJ	1200	ug/L
1,1-Dichloropropene	ND	250	ug/L
Carbon tetrachloride	ND	120	ug/L
1,2-Dibromoethane	ND	250	ug/L
Benzene	ND	250	ug/L
Trichloroethene	**12000**	**250**	**ug/L**
Bromodichloromethane	ND	250	ug/L
4-Methyl-2-pentanone	ND	1200	ug/L
Toluene	ND	250	ug/L
1,1,2-Trichloroethane	ND	250	ug/L
1,2-Dichloroethane	ND	120	ug/L
Tetrachloroethene	ND	250	ug/L
2-Hexanone	ND	1200	ug/L
Dibromochloromethane	ND	250	ug/L
Chlorobenzene	ND	250	ug/L
1,1,1,2-Tetrachloroethane	ND	250	ug/L
Ethylbenzene	ND	250	ug/L
Vinyl chloride	ND	120	ug/L
Xylenes (total)	ND	250	ug/L
Styrene	ND	250	ug/L
Bromoform	ND UJ	250	ug/L

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TAIT ENVIRONMENTAL

Client Sample ID: DAC_P1_WG092403_0001

GC/MS Volatiles

Lot-Sample #...: E3I240379-010 Work Order #...: F04KE1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	250	ug/L
1,1,2,2-Tetrachloroethane	ND	250	ug/L
1,2,3-Trichloropropane	ND	250	ug/L
n-Propylbenzene	ND	250	ug/L
Bromobenzene	ND	250	ug/L
1,3,5-Trimethylbenzene	ND	250	ug/L
2-Chlorotoluene	ND	250	ug/L
4-Chlorotoluene	ND	250	ug/L
tert-Butylbenzene	ND	250	ug/L
1,2,4-Trimethylbenzene	ND	250	ug/L
sec-Butylbenzene	ND	250	ug/L
p-Isopropyltoluene	ND	250	ug/L
1,3-Dichlorobenzene	ND	250	ug/L
1,4-Dichlorobenzene	ND	250	ug/L
n-Butylbenzene	ND	250	ug/L
1,2-Dichlorobenzene	ND	250	ug/L
1,2-Dibromo-3-chloro-propane	ND UJ	500	ug/L
1,2,4-Trichloro-benzene	ND	250	ug/L
Hexachlorobutadiene	ND	250	ug/L
1,2,3-Trichlorobenzene	ND	250	ug/L
Acrolein	ND	5000	ug/L
Acrylonitrile	ND	5000	ug/L
Iodomethane	ND	500	ug/L
2-Chloroethyl vinyl ether	ND UJ	1200	ug/L
Tetrahydrofuran	ND	2500	ug/L
Vinyl acetate	ND	1200	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	98	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

LDC #: 11095A1

VALIDATION COMPLETENESS WORKSHEET

Date: 11/18/03

SDG #: ~~E2303~~ E3I240 379 EPA Region 1 - Tier I/II/III

Page: 1 of 1

Laboratory: Severn Trent Laboratories, Inc.

Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 9/24/03
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Tier II validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Tier II validation.
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Tier II validation. not reported
XIV.	System performance	A	Not reviewed for Tier II validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 3 & 4
XVII.	Field blanks TIER I samples	✓	TB=1 EB=2 FB=7

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Tier III validation
* Indicates sample underwent Tier II validation, the rest are Tier I validation.

1	TB_TAIT092403_0001	11	TMW_7_WG092403_0001MS	21		31	
2	EB_TAIT092403_0001	12	TMW_7_WG092403_0001MSD	22		32	
3	TMW_7_WG092403_0001* D	13	E312500006 - 215	23		33	
4	TMW_7_WG092403_0002* D	14		24		34	
5	TMW_4_WG092403_0001*	15		25		35	
6	TMW_6_WG092403_0001**	16		26		36	
7	FB_TAIT092403_0001	17		27		37	
8	TMW_1_WG092403_0001*	18		28		38	
9	TMW_2_WG092403_0001*	19		29		39	
10	DAC_P1_WG092403_0001	20		30		40	

LDC #: 11099A1
SDG #: E2303

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		✓		
Did the initial calibration meet the curve fit acceptance criteria?			✓	
Were all percent relative standard deviations (%RSD) $\leq$ 30% and relative response factors (RRF) $\geq$ 0.05?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) $\leq$ 25% and relative response factors (RRF) $\geq$ 0.05?		✓		
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			

LDC #: 1109A1
SDG #: E2303

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			✓	
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?			✓	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	

LDC #: 11095A1
SDG #: E2303

VALIDATION FINDINGS CHECKLIST

Reviewer:
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
XVII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.	✓	ND		

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	S. Trichloroethane	KK. Trichlorofluoromethane	CCC. tert-Butylbenzene	UUU. 1,2-Dichlorotetrafluoroethane
B. Bromomethane	T. Dibromochloromethane	LL. Methyl-tert-butyl ether	DDD. 1,2,4-Trimethylbenzene	VVV. 4-Ethyltoluene
C. Vinyl choride**	U. 1,1,2-Trichloroethane	MM. 1,2-Dibromo-3-chloropropane	EEE. sec-Butylbenzene	WWW. Ethanol
D. Chloroethane	V. Benzene	NN. Methyl ethyl ketone	FFF. 1,3-Dichlorobenzene	XXX. Di-isopropyl ether
E. Methylene chloride	W. trans-1,3-Dichloropropene	OO. 2,2-Dichloropropane	GGG. p-Isopropyltoluene	YYY. tert-Butanol
F. Acetone	X. Bromoform*	PP. Bromochloromethane	HHH. 1,4-Dichlorobenzene	ZZZ. tert-Butyl alcohol
G. Carbon disulfide	Y. 4-Methyl-2-pentanone	QQ. 1,1-Dichloropropene	III. n-Butylbenzene	AAAA. Ethyl tert-butyl ether
H. 1,1-Dichloroethene**	Z. 2-Hexanone	RR. Dibromomethane	JJJ. 1,2-Dichlorobenzene	BBBB. tert-Amyl methyl ether
I. 1,1-Dichloroethane*	AA. Tetrachloroethene	SS. 1,3-Dichloropropane	KKK. 1,2,4-Trichlorobenzene	CCCC.1-Chlorohexane
J. 1,2-Dichloroethene, total	BB. 1,1,2,2-Tetrachloroethane*	TT. 1,2-Dibromoethane	LLL. Hexachlorobutadiene	DDDD. Isopropyl alcohol
K. Chloroform**	CC. Toluene**	UU. 1,1,1,2-Tetrachloroethane	MMM. Naphthalene	EEEE. Acetonitrile
L. 1,2-Dichloroethane	DD. Chlorobenzene*	VV. Isopropylbenzene	NNN. 1,2,3-Trichlorobenzene	FFFF. Acrolein
M. 2-Butanone	EE. Ethylbenzene**	WW. Bromobenzene	OOO. 1,3,5-Trichlorobenzene	GGGG. Acrylonitrile
N. 1,1,1-Trichloroethane	FF. Styrene	XX. 1,2,3-Trichloropropane	PPP. trans-1,2-Dichloroethene	HHHH. 1,4-Dioxane
O. Carbon tetrachloride	GG. Xylenes, total	YY. n-Propylbenzene	QQQ. cis-1,2-Dichloroethene	IIII. Isobutyl alcohol
P. Bromodichloromethane	HH. Vinyl acetate	ZZ. 2-Chlorotoluene	RRR. m,p-Xylenes	JJJJ. Methacrylonitrile
Q. 1,2-Dichloropropane**	II. 2-Chloroethylvinyl ether	AAA. 1,3,5-Trimethylbenzene	SSS. o-Xylene	KKKK. Propionitrile
R. cis-1,3-Dichloropropene	JJ. Dichlorodifluoromethane	BBB. 4-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	LLLL. Tetrahydrofuran

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

BOE-C6-0008795

LDC #: 11095A1
SDG #: E2303

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤30.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/23/03	8260BJL	X	30.351		All + BLK	J/UJ/A
			MM	40.836		~~except~~	
			HH	34.785		~~samples~~	
			F		0.01771		
			M		0.03321		
			II		0.03026		
			MM		0.03628		
			LLL		0.02421		
					R.L. limit higher than	lowest point in ICAL	

INICAL.1SB

BOE-C6-0008796

LDC #: 11095A1
SDG #: E2303

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

(Y) N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y (N) N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/24/03	JS1165	F		0.01976 *	All + Blk	J/UJ/A
			M		0.03462 *	~~except tier 1~~	↓
			II		0.02857 *	samples??	↓
			MM		0.02947 *	↓	↓
			LLLL		0.02467 *	↓	↓

Good Response

CONCAL.1S

BOE-C6-0008797

LDC #: 11095A1
SDG #: E31240379

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD
	3	4	
H	520	530	2
QQQ	15	50U	200
S	1700	1700	0

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

FLDUP4.1SB

LDC #: 11095A1
SDG #: E3124037 9

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Sample: 1 Field Blank / Trip Blank / Rinsate / Other _____ (circle one)

Compound	Concentration Units (ug/L)
F	6.2

Sample: 2 Field Blank / Trip Blank / Rinsate / Other EB (circle one)

Compound	Concentration Units (ug/L)
F	7.0
M	8.8

Sample: _____ Field Blank / Trip Blank / Rinsate / Other _____ (circle one)

Compound	Concentration Units ( )

FLDBLK.1SB

LDC #: 11095A1
SDG #: E2303

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (10 std)	Recalculated RRF (10 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	8260 BJL	9/23/03	Methylene chloride (1st internal standard)	0.14349	0.14349	0.16435	0.16435	14.8110	14.8110
			~~Trichlorethene~~ EE (2nd internal standard)	1.94716	1.94716	1.91392	1.91392	6.281	6.281
			~~Toluene~~ JJJ (3rd internal standard)	1.36076	1.36076	1.34874	1.34874	4.953	4.953
2			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
3			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
4			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

INICLC.1SB

BOE-C6-0008800

LDC #: 11095A1
SDG #: E2303

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	JS1165	9/24/03	Methylene chloride (1st internal standard)	0.16435	0.18820	0.18820	14.5	14.5
			~~Trichlorethene~~ TE (2nd internal standard)	1.91392	2.07240	2.07240	8.3	8.3
			~~Toluene (3rd~~ JJJ internal standard)	1.34874	1.36138	1.36138	0.9	0.9
2			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
3			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
4			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

CONCLC.1SB

BOE-C6-0008801

LDC #: 11095A1
SDG #: E2303

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: EJ
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #6

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	10	PQ ~~48.92~~ 9.78	98	98	0
Bromofluorobenzene	↓	9.7375	97	97	↓
1,2-Dichloroethane-d4	↓	10.0	100	100	↓
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

SURRCALC.1SB

LDC #: 11095A1
SDG #: E2303

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = | MSC - MSDC | * 2/(MSC + MSDC) MSC = Matrix spike percent recovery MSDC = Matrix spike duplicate percent recovery

MS/MSD sample: 11 + 12

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	500	500	520	1040	1020	105	104	100	100	2.8	1.9
Trichloroethene			1700	2310	2300	112	~~109~~ 122	109	120	0.65	0.43
Benzene			ND	518	507	104	104	101	101	2.2	2.1
Toluene			ND	512	493	102	102	99	99	3.8	3.8
Chlorobenzene			ND	488	491	98	98	98	98	0.61	0.61

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

MSDCLC.1SB

BOE-C6-0008803

LDC #: 11095A
SDG #: E2303

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration
SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD) LCS = Laboratory control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS ID: E3125 0000-215 LCS

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10	NA	10.8	NA	108	108				
Trichloroethene			10.3		103	103				
Benzene			10.3		103	103				
Toluene			10.2		102	102				
Chlorobenzene			10.0		100	100	NA			

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LCSCLC.1SB

BOE-C6-0008804

LDC #: 11095A1
SDG #: E2303

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #6 . 1,1-Dichloroethene

Conc. = (17219)(10)(25) / (863447)(0.6131)(5)( )

= 6.2 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

RECALC.1SB