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Interim Groundwater Sampling Event 04 – June 2005 Results Report

for

Site 03: Construction Equipment Department
Former Naval Construction Battalion Center
Davisville
North Kingstown, Rhode Island

Naval Facilities Engineering Command
Mid-Atlantic

Contract Number N62472-03-D-0057
Contract Task Order 19

December 2006

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INTERIM GROUNDWATER SAMPLING EVENT 04 – JUNE 2005 RESULTS REPORT

FOR

SITE 03: CONSTRUCTION EQUIPMENT DEPARTMENT FORMER NAVAL CONSTRUCTION BATTALION CENTER DAVISVILLE NORTH KINGSTOWN, RHODE ISLAND

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION - NAVY (CLEAN) CONTRACT

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1.0 INTRODUCTION

Under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Contract No. N62472-03-D-0057, Contract Task Order No. 019, Tetra Tech NUS, Inc. (TtNUS) has been contracted to perform the reporting for the Interim Groundwater Sampling Program (IGWSP) at Site 03, Former Naval Construction Battalion Center (NCBC) Davisville, North Kingstown, Rhode Island (the Site). Interim Groundwater Sampling Event (IGWSE) 04 sampling, analysis, and data validation were contracted to Environmental Chemical Corporation (ECC) under a separate contract; while the data reduction, evaluation, and reporting were contracted to TtNUS. The location of the Site is presented on Figure 1 and Figure 2.

The former NCBC Davisville is located in the town of North Kingstown, Rhode Island and is comprised of three areas: the Main Center (Zones 1 through 4); the West Davisville storage area; and Camp Fogarty, a training facility located approximately 4 miles west of the Main Center. A significant portion of the Main Center is situated adjacent to Narragansett Bay. Adjoining the Main Center's southern boundary is the decommissioned Naval Air Station Quonset Point, which was transferred by the Navy to the Rhode Island Port Authority (recently known as the Rhode Island Economic Development Corporation [RIEDC] and currently known as the Quonset Development Corporation [QDC]) and others between 1974 and 1980 (EA, 2004).

The former NCBC Davisville was primarily used for training naval seamen in construction operations, and as storage and freight yards for construction materials. As a result, the NCBC facility was comprised primarily of warehouse space and freight yards, most of which are currently demolished, redeveloped, or empty. The former NCBC Davisville closed on April 1, 1994 (EA, 2004).

The areas investigated as part of the Site 03 IGWSP include the following:

- Study Area 01 (Construction Engineering Division [CED] Drum Storage Area),
- Site 02 (CED Battery Acid Disposal Area),
- Site 03 (CED Solvent Disposal Area), and
- Study Area 04 (CED Asphalt Disposal Area).

These areas are located in the western half of Zone 3, bounded by SeaBee Avenue to the west, Perimeter Road to the north, Davisville Road to the south and light wooded vegetation to the east. The location of each site and study area is shown on Figure 2. Sections 1.1 through 1.4 provide short descriptions of each area. Section 1.5 describes the IGWSP and Section 1.6 provides a summary of the components of this IGWSE report.

1.1 STUDY AREA 01 – FORMER CED DRUM STORAGE AREA

Study Area 01, the former CED Drum Storage Area, is a grass-covered field located approximately 200 feet north of Building 224 (Figure 2). From the late 1960s until 1974, 55-gallon drums of liquid waste, reportedly containing waste oil and solvent, were stored in an open field north of Building 224. As many as 500 drums were stored there at any one time. The drums were reported to be in deteriorating condition and may have leaked liquids into the ground (Hart, 1984). The drums were removed in 1974. No testing of the soil beneath the drums was performed at that time. In 1991, a portion of the grassy open field was converted into a leaching field. File information indicates that the leaching field was in operation from December 1991 to April 1992 to dispose of surface water runoff as well as storm water from a truck washing area located south of the site at Building 224 (Halliburton NUS, 1994a). The leaching field was closed in accordance with the Rhode Island Department of Environmental Management (RIDEM) Regulations.

In November 2000, the Final Human Health Risk Assessment (HHRA) for Soil at Study Areas 01 and 04 determined that non-carcinogenic risks for potential future receptors for surface soil (commercial workers, child residents, adult residents) and total soil (construction workers, child residents, adult residents) at Study Area 01 did not exceed the U.S. Environmental Protection Agency (EPA) threshold of 1.0. In addition, the risk of cancer did not exceed EPA's acceptable risk range of 10^{-6} to 10^{-4} for potential future industrial or residential receptors, and cumulative risks were below 10^{-5} for potential commercial receptors. However, individual soil samples may exceed RIDEM Remediation Regulations Direct Exposure Criteria.

1.2 SITE 02 – FORMER CED BATTERY ACID DISPOSAL AREA

Site 02, the former CED Battery Acid Disposal Area, is a paved, flat area bounded by Sayers Street to the west, Warren Street to the south, and Building 224 to the north and east (Figure 2). Building 224 is not included in Site 02. At the time of operation, a dry well and leaching field were located at the southwest corner of the CED Building 224. A floor drain inside the battery shop discharged into the dry well and leaching field in the northern portion of Site 02 (Hart, 1984). It was estimated that approximately 18,000 gallons of dilute sulfuric acid were discharged, at a rate of approximately 60 gallons per month, between 1955 and 1980. The acid was reported to have contained lead (TRC, 1991). The dry well and associated leach field were removed by Foster Wheeler in June 1996 (FWENC, 1996). Closeout for Site 02 included removal of water and sediment from the dry well chamber, removal and demolition of the dry well chamber and associated piping, removal of piping from the adjacent leach field, excavation of lead-impacted soil, decommissioning of three monitoring wells, and cleanup of the battery rooms in Building 224 and Building A10CT (EA, 2004).

1.3 SITE 03 – FORMER CED SOLVENT DISPOSAL AREA

Site 03, formerly the CED Solvent Disposal Area, is a grass and wood covered lot located to the west of the shop facility in Building 224 (Figure 2). Formerly paved, Site 03 served as the discharge location for disposal of paint thinners and unidentified solvents from the maintenance shop from 1955 until the late 1970s. Neither the exact manner of solvent disposal nor the precise limits of the disposal area are known; however, the solvent disposal activity is thought to have occurred in an area bordering Sayers Street. Aerial photographs from 1951, 1957, 1963, and 1970 depicting Site 03 and the immediate surrounding area show that the area bounded by Battalion Boulevard, Seabee Avenue, and Parade Road was paved and used for vehicle and equipment storage. Vehicles awaiting maintenance were also temporarily stored in this vicinity. All vehicle maintenance reportedly occurred in Building 224. The land directly north of Battalion Boulevard and towards Perimeter Road was also used as a storage locale, but as early as 1970, became primarily the equipment operator training area. There are no records of vehicle maintenance occurring in these areas. Building 378, located southeast of the Battalion Boulevard and Seabee Avenue intersection, was built for equipment operator training in 1968. Stained or darkened surfaces suggesting disposal of waste oils to the ground were not observed on aerial photographs (dated 1951, 1957, 1963, and 1970) of the area to the west of Building 224, or during site inspections or field activities by the Navy in 1993, 1994, and 1995 (EA, 2004).

As a result of a phased investigation, the extent of the original Site 03 solvent disposal area has grown to include a plume of chlorinated volatile organic compounds (CVOC) dissolved in deep ground water. The analytical results from the investigation conducted by the New England District of the U.S. Army Corps of Engineers (USACE) under the Formerly Utilized Defense Sites (FUDS) program, have determined the CVOC source area to be on the former Nike PR-58 site (see Figure 1), with the main plume moving east toward the adjacent Navy property (designated as Parcel 7). A branch of the plume has been determined to extend to the north, beyond the Navy property line, towards private residences identified as having private wells. The monitoring well network located on Site 03, specifically around and east of Building 224, has been used to monitor minor contributions to the plume from former Navy activities in that area. The Navy has agreed to monitor Site 03 as part of their Remedial Investigation/Feasibility Study (RI/FS) process. This will continue annually until the off-site primary source area is addressed by USACE, a Record of Decision (ROD) is signed for Site 03, and the Navy's Parcel 7 property can be transferred (EA, 2004).

1.4 STUDY AREA 04 – FORMER CED ASPHALT DISPOSAL AREA

Study Area 04, formerly the CED Asphalt Disposal Area, is a grass- and wood-covered lot located approximately 500 feet west of Building 224 (Figure 2). Battalion Boulevard is located about 70 feet

south of Study Area 04. In the late 1960s, a black, pliable, solid, asphalt type material was placed in a trench in this area. The source of this material is unknown (Halliburton NUS, 1994b). The trench was excavated by Foster Wheeler Environmental Corporation (FWENC) in November 1996 under contract with the Navy. The asphalt-type material and affected soil were removed during the excavation. Confirmatory samples collected from the sidewalls and bottom of the excavation pits were analyzed for total petroleum hydrocarbon (TPH) and polychlorinated biphenyl (PCB). Analytical results had concentrations below RIDEM criteria of 10 parts per million (ppm) for PCB and 300 ppm for TPH. Excavations were then backfilled with clean soil in December 1996 (FWENC, 1997).

In November 2000, the Final Human Health Risk Assessment (HHRA) for Soil at Study Areas 01 and 04 was completed. It was determined that the non-carcinogenic risks did not exceed the EPA threshold of 1.0 for potential future receptors for surface soil (commercial workers, child residents, adult residents) and total soil (construction workers, child residents, adult residents), for Study Area 04. In addition the risk of cancer did not exceed EPA's acceptable risk range of 10^{-6} to 10^{-4} for potential future industrial or residential receptors, and cumulative risks were below 10^{-5} for potential commercial receptors. The only residential constituent of potential concern with risks greater than 10^{-5} was Aroclor-1260 in surface soil and total soil, with a cumulative risk for the combined adult and child resident of 2.5×10^{-5} and 2.3×10^{-5}, respectively. The RIDEM Method 1 Direct Exposure Criteria for this site were also met (EA, 2000).

1.5 INTERIM GROUNDWATER SAMPLING PROGRAM

The field activities presented in this report were performed in accordance with the November 2001 Final Work Plan Addendum No. 2 (EA, 2001), to the Interim Ground-Water Sampling Program for the Navy Site 03 Portion of the Final Work Plan dated April 2000 (with Revised Final pages dated May 2000) for the Characterization of Chlorinated Volatile Organic Compound (CVOC) Contamination at the Former PR-58 Nike Site and Adjacent Naval Construction Battalion Center (NCBC) Site 03, North Kingstown, Rhode Island. The related site field and laboratory methods are referenced in the Final Work Plan Addendum No. 2 (EA, 2001).

The objective of the work plan is to provide the Navy with annual documentation and monitoring of the nature and extent of the portion of the CVOC plume that has migrated from the former PR-58 Nike Site to beneath a portion of the adjacent former NCBC Davisville facility. The wells located in the eastern portion of the IGWSP area (around and east of Building 224) appear to also monitor minor contributions to the plume from former Navy activities in that area.

Based upon the available data (including the IGWSE 01 results), 23 monitoring wells were selected for the IGWSP. The locations of the selected monitoring wells are shown on Figure 2. The selection

rationale for including each of these wells is summarized in Table 1. In general, monitoring wells located near the upgradient (west) edge of the Navy property continue to characterize ground water entering Navy property (i.e., to evaluate the migration of CVOC from the upgradient PR-58 Nike Site). Selected monitoring wells located within the plume area, as well as downgradient and cross-gradient, continue to document the character and extent of the plume beneath the Navy property.

The IGWSP includes the following:

- Measurement of depth to water in each of the 23 monitoring wells during each sampling event and gauging round prior to initiation of groundwater sample collection. These data are used in the preparation of groundwater surface contour maps for the deep and bedrock zones. The depth to water level measurements and the condition of each of these wells are recorded on the Monitoring Well Inspection Form, located in Appendix A of this report.

- Collection of groundwater samples from 23 monitoring wells using the low-flow method in accordance with the Final Work Plan Addendum No. 2 (EA, 2001).

- Analysis of the groundwater samples for Target Compound List (TCL) volatile organic compounds (VOC) in accordance with the methods and criteria referenced in the Final Work Plan Addendum No. 2 (EA, 2001).

- Preparation and submittal of the validated analytical results summarized in tables and on “tag” maps to the BRAC Team.

1.6 REPORT ORGANIZATION

This report details the project activities conducted in June 2005 for IGWSE 04 as part of the IGWSP. Section 1 provides an introduction and overview of the IGWSP activities. Section 2 presents the results of IGWSE 04. The field forms are presented in Appendix A. Appendix B contains a copy of the data validation reports. Appendix C presents historical groundwater measurement and elevation data for the wells not included in the IGWSP. Appendix D includes the Land-Use Control Implementation Plan (LUCIP) inspection checklist.

2.0 INTERIM GROUNDWATER SAMPLING EVENT 04 RESULTS

Sampling activities and analytical results for the IGWSE 04 conducted at Site 03 in June 2005 are provided in the sections below.

2.1 MEASUREMENT OF WATER LEVELS

Depth to groundwater was measured on June 14, 2005 in 23 monitoring wells; the measurements and the calculated groundwater elevations are summarized on Table 2A and Table 2B, respectively. An interpreted groundwater contour (potentiometric surface) map is presented for the overburden aquifer in Figure 3A and for the bedrock aquifer in Figure 3B. The water level measurement procedure is detailed in the Final Work Plan Addendum No. 2 (EA, 2001).

Groundwater in the overburden aquifer is interpreted to generally flow to the east, towards Allen Harbor and Narragansett Bay (Figure 3A). During this IGWSE, groundwater elevations increased (relative to the February 2004 sampling round) in every well. Seasonal variation in the water level elevations is likely to be the cause. The historical record of groundwater depth measurements and groundwater elevations in monitoring wells not included in the IGSWP can be referenced in Appendix C.

In accordance with the approach used in previous annual reports, vertical gradients were calculated between vertically adjacent wells in seven well pairs based on the June 2005 synoptic water level measurements. The vertical hydraulic gradients indicate the direction of the vertical flow component of groundwater between the deep (D) overburden and bedrock (R) intervals of a monitoring well cluster. Hydraulic gradient data and the approach for calculating gradients are presented on Table 3.

The direction of the vertical gradient is caused by several conditions, including the location of the well pair and the nature of the bedrock and overburden aquifers at each location. The vertical gradient can be the result of changes in the saturated thickness of the overburden and the nature of the bedrock fractures. A positive (recharge upward) vertical hydraulic gradient was determined between the bedrock and the deep overburden at MW01-15D/R and MW02-03D/R in the eastern portion of the Site and MW03-08D/R in the far western extent of the Site. A negative vertical hydraulic gradient (downward recharge indicated) was calculated between deep overburden and bedrock wells at MW01-10D/R and MW03-03D/R in the north-central portion of the Site and EA-110D/R and EA-111D/R in the southern portion of the Site.

2.2 GROUNDWATER SAMPLING AND ANALYSIS

Groundwater sampling was performed at 23 monitoring wells. Samples were delivered to a laboratory for volatile organic compounds (VOC) analysis. Details of sampling activities and analytical results are provided below.

2.2.1 Sampling Activities

ECC conducted the groundwater sampling of the monitoring wells from June 20 to 23, 2005 in accordance with the general methodologies established in the Final Work Plan Addendum (EA, 2001). Groundwater samples were collected by a low-flow sampling technique using dedicated Geolog and TIMCO® bladder pumps. Monitoring well locations are depicted on Figure 2.

Water quality indicator parameters were measured during well purging, including: pH, specific conductance, temperature, dissolved oxygen, oxidation-reduction potential (ORP), and turbidity. Sampling was conducted at each of the 23 wells after stabilization of water quality indicator parameters was achieved in accordance with the Final Work Plan Addendum No. 2 (EA, 2001). The water quality parameter values measured just prior to sample collection are summarized in Table 4. Field sampling forms are provided in Appendix A.

The 26 groundwater samples (23 available monitoring well locations, plus 3 field duplicate samples) collected from monitoring wells at Site 03 were analyzed for selected Targeted Compound List (TCL) VOCs by EPA Method 8260B.

2.2.2 Analytical Data

The PALs for groundwater at Site 03 are the RIDEM GA Groundwater Objectives. The PALs are listed in Table 12-1 of the Final Work Plan Addendum No. 2 (EA, 2001).

The analytical data for groundwater samples are summarized on Tables 5, 6, and 7. Specifically, Table 5 provides analytical results for all parameters (analytes) from each sample collected during IGWSE 04, Table 6 provides a summary of analytes detected at concentrations greater than their PAL over the history of groundwater sampling at the Site (November 1995 through June 2005), and Table 7 provides a historical summary of total chlorinated volatile organic compounds (CVOC) detections in groundwater for each monitoring well. Copies of the data validation reports are provided in Appendix B.

VOCs were detected in groundwater samples collected from 18 of 23 monitoring wells during the June 2005 sampling event (Table 5, Figures 4 through 9). VOCs were not detected in groundwater samples collected from the following monitoring wells: EA-110D/R, MW01-10D/R and MW01-15R. At least one PAL exceedance was detected each of the following 11 monitoring wells: MW02-03D/R, MW02-08D, MW02-11D, MW03-03D/R, MW03-08D/R, MW03-09D, and MW-Z3-01. Analytes detected above their PAL included: 1,1,2-trichloroethane, tetrachloroethene (PCE), total 1,2-dichloroethene (DCE), trichloroethene (TCE) and vinyl chloride. Groundwater samples collected from four wells (MW03-08D/R, MW03-09D, and MW-Z3-01) had concentrations exceeding four PALs. TCE was detected at concentrations exceeding its PAL of 5 µg/L in groundwater samples collected from 10 of the 23 monitoring wells; TCE concentrations in these wells ranged from 8.2 J µg/L (MW02-11D) to 1,350 J (field duplicate sample of MW03-08R). Total CVOC concentrations in the 23 wells ranged from non-detect (EA-110D/R, MW01-01D/R, MW01-15R) to 2,060 µg/L (field duplicate sample of MW03-08R).

2.3 VISUAL INSPECTION

Site inspection activities at Site 03 were completed on June 14, 2005 in accordance with the Final Work Plan Addendum No. 2 (EA, 2001). The site monitoring wells were observed to be capped, labeled, locked, and in good condition. A LUCIP checklist was not completed during the June 2005 sampling event.

In June 2006, the Navy performed a LUCIP inspection at Site 03. No evidence of residential land use or water supply wells was observed in the Study Area 01/04 and Site 02/03 areas (Parcel 7, Zone 3). The signed LUCIP form is included as Appendix D of this report.

2.4 QUALITY ASSURANCE/QUALITY CONTROL

The data obtained during IGWSE 04 were determined to be of sufficient quality to be used to monitor and document the extent of the CVOC plume that has migrated from the former PR-58 Nike site to a portion of the adjacent former NCBC Davisville facility, as well as the minor contributions to the plume from former Navy activities around and east of Building 224. Quality Assurance/Quality Control (QA/QC) samples collected during this sampling event included one matrix spike (MS) sample, one matrix spike duplicate (MSD) sample, and three field duplicate samples. Other QA/QC samples included two trip blanks (one per cooler containing samples for VOC analysis) and one temperature blank per cooler.

Groundwater samples from monitoring wells were collected and analyzed from all planned locations resulting in 100 percent completeness. Duplicate field samples were collected to assess precision of the overall sample and analysis process. Three groundwater samples from monitoring wells were collected in

duplicate and analyzed as part of the June 2005 sampling event. The duplicate samples were collected from MW01-15D, MW03-08R and MW-Z3-01.

The analytical data for groundwater samples collected from monitoring wells were validated in accordance with the *Region I EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses* (December 1996), *National Functional Guidelines for Evaluation Inorganic Analysis* (1988), and *National Functional Guidelines for Evaluation Organic Analysis* (October 1999), as outlined in the Final Work Plan Addendum No. 2 (EA, 2001). The resultant data validation qualifiers were then added to the data as necessary. According to the memoranda, standard EPA Region I data qualifiers were assigned to the data during validation to assess data quality. These qualifiers include "J", "UJ", "U", and "R" and are defined in the data validation reports presented in Appendix B. The analytical data summarized in Tables 5, 6, and 7 include the qualifiers added as a result of the validation process. The majority of sample results are usable for project decisions, as qualified. Acceptable field precision of less than 30 percent difference was observed for all analytes detected in duplicate groundwater samples collected in June 2005.

TABLES

TABLE 1

INTERIM GROUNDWATER SAMPLING PROGRAM SUMMARY
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Designation	Zone Screened	Monitoring Well Purpose / Rationale and Updated Summary of the Trends Suggested by the Detected Total CVOC
MW01-10D	Deep Overburden	Northern sentinel well in the deep overburden zone where historical results of 6 samples have been 'ND' to 0.4 µg/L total CVOC.
MW01-13D		Eastern sentinel well in the deep overburden zone where 4 of 6 sample results have been 'ND' for CVOC, with positive CVOC results during IGWSE 02 (0.2 µg/L) and IGWSE 03 (1.0 µg/L).
MW01-14D		Located near the east edge of the plume where results of 6 samples have been slightly increasing for CVOC in the deep overburden zone.
MW01-15D		Located at Study Area 01 and along potential northeast extent of plume where results of 6 samples suggest a decreasing trend of CVOC in the deep overburden zone.
MW02-03D		Located near the east edge of the plume where results of 7 samples suggest a slight increasing trend of CVOC in the deep overburden zone.
MW02-08D		Located east just downgradient from Site 02 where results of 6 samples have been nearly the same for CVOC in the deep overburden zone. Provides data to assess if MW02-07D needs to replaced in the Site 02 area where the dry well and leach field were removed.
MW02-11D		Located southeast downgradient from Site 02 and underground storage tanks where 4 of 6 sample results have been nearly the same for CVOC in the deep overburden zone, with a slight increase in CVOC during the last two IGWSEs.
MW03-03D		Located within the plume at Site 03 where overall results of 7 samples suggest decreasing trend of CVOC in the deep overburden zone.
MW03-05D		Well located between Site 02 and Building 224 in the deep overburden zone where results of last 5 samples have been 'ND' to 3.0 µg/L for CVOC.
MW03-08D		Well with the highest detected concentration in the deep overburden zone at the upgradient property boundary. In general, the results are variable, but suggest an overall decreasing CVOC trend.
MW03-09D		Located within the plume at Study Area 04 where results of the first 3 samples suggest an increasing trend of CVOC in the deep overburden zone. Results for the last 4 sampling events are variable, but similar with an average concentration of approximately 360 µg/L.
MW03-10D		Located to monitor the southern side of the CVOC plume. Data suggests an overall decreasing trend over 6 sampling events.
MW-Z3-01		Northwest corner of the property near where the plume extends offsite in the deep overburden zone (variable results, but suggest possible increasing trend).
MW-Z3-02		Northeast perimeter of the plume where results of last 3 samples have been very similar (ranging from 1.6 µg/L to 2.8 µg/L).
EA-110D		Southeastern sentinel well in the deep overburden zone where results of 5 samples have been at 'ND' to 0.5 µg/L for CVOC.
EA-111D		Southern perimeter of the plume in the deep overburden zone where results of 5 samples have been 0.6-4.4 µg/L for CVOC.
MW01-10R	Shallow Bedrock	Northern sentinel well in the shallow bedrock zone where results of 4 samples were 'ND' for CVOC.
MW01-15R		New well that may be near the northeast perimeter of plume in the shallow bedrock zone. Total CVOC results have been 0.7 to 1.9 µg/L for 4 sampling events.
MW02-03R		New well that was planned to be near the eastern plume boundary in the shallow bedrock zone. Increase from 'ND' to 68 µg/L from 2000 to 2004.
MW03-03R		New well located within the plume in the shallow bedrock zone. Overall decrease in the data from 2000 to 2004.
MW03-08R		Well with the highest detected CVOC concentration in the shallow bedrock zone at the upgradient property boundary. Variable total CVOC concentrations detected through 5 sampling events, but the last 4 sample results are less that the 5,360 µg/L CVOC detected in the initial sample collected in 1995.
EA-110R		Southeastern perimeter of the plume in the shallow bedrock zone where results of 5 samples have been 'ND' to 0.2 µg/L total CVOC.
EA-111R		Southern perimeter of the plume in the shallow bedrock zone where results of 5 samples have been 'ND' to 2.0 µg/L for CVOC.

NOTES:
CVOC = Chlorinated volatile organic compounds (total detected).
ND = Not detected
IGWSE = Interim Groundwater Sampling Event
Refer to Figure 7 for total CVOC concentrations detected in samples from the deep overburden groundwater zone, and Figure 9 for related data for the bedrock zone.

TABLE 2A

SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Stickup (ft AGS)	Elevation Top of Riser (MSL)	Depth to Groundwater (ft TOR)														
			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04	6/14/05
MW01-10D	1.3	42.88	NI	NI	NI	NI	23.63	20.86	19.76	23.30	19.46	20.82	23.77	22.51	19.93	20.29	19.51
MW01-10R	2.10	43.96	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	23.90	23.67	21.16	21.50	20.75
MW01-13D	1.6	26.29	NI	NI	NI	NI	14.72	NM	12.80	14.59	12.37	13.61	14.68	13.98	12.86	13.20	12.83
MW01-14D	1.4	37.62	NI	NI	NI	NI	23.84	NM	21.80	23.75	21.60	22.86	23.86	23.21	22.05	22.44	21.89
MW01-15D	-0.4	32.39	NI	NI	NI	NI	15.96	NM	13.32	15.73	12.70	14.19	15.60	15.19	13.27	13.77	12.80
MW01-15R	-0.50	32.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	15.85	15.35	13.48	13.78	12.82
MW02-03D	1.70	41.23	25.71	23.87	23.91	25.77	25.66	NM	23.80	25.37	23.34	23.49	25.15	24.97	23.69	24.05	22.98
MW02-03R	1.80	41.11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	24.40	24.19	22.95	23.33	22.25
MW02-08D	-0.4	38.63	20.95	18.75	18.69	20.87	20.94	NM	18.41	20.55	NM	18.43	20.20	19.93	18.49	18.81	17.66
MW02-11D	2.0	40.04	22.94	20.87	20.88	22.78	22.80	NM	20.68	NM	20.27	20.63	22.18	21.90	20.63	21.03	19.94
MW03-03D	2.0	38.43	19.84	16.95	16.99	19.62	19.59	17.01	16.77	19.10	16.16	16.89	18.80	19.47	16.60	17.03	16.05
MW03-03R	1.27	38.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	18.46	19.12	16.26	16.80	16.66
MW03-05D	-0.4	37.87	19.68	16.94	16.95	19.38	19.44	NM	16.50	18.95	16.32	16.82	18.70	18.30	16.62	17.03	16.00
MW03-08D	2.1	32.74	13.05	9.54	9.85	13.26	NM	NM	8.62	12.30	8.36	10.18	11.20	11.55	9.29	9.67	8.94
MW03-08R	1.9	32.15	NI	NI	9.31	12.57	NM	9.11	NM	11.61	7.67	9.99	11.47	10.87	8.60	8.96	8.22
MW03-09D	2.2	43.40	NI	NI	20.34	23.76	NM	20.60	19.89	NM	19.57	20.51	22.80	22.49	19.91	20.32	19.30
MW03-10D	1.9	35.94	NI	NI	13.96	16.79	NM	13.78	13.02	NM	12.81	13.92	15.85	15.37	13.51	13.95	13.01
MW-Z3-01	2.3	43.80	NI	NI	NI	NI	NI	19.98	17.88	22.92	NM	20.01	22.35	21.99	18.63	19.08	18.17
MW-Z3-02	-0.5	36.67	NI	NI	NI	NI	NI	NM	20.67	NM	19.63	21.21	22.50	22.05	20.37	20.94	49.85
EA-110D	2.1	40.15	NI	NI	NI	NI	NI	NI	NI	NI	22.23	23.71	23.61	23.34	22.76	23.05	22.43
EA-110R	2.2	39.71	NI	NI	NI	NI	NI	NI	NI	NI	21.81	22.74	23.20	22.89	22.34	22.61	22.03
EA-111D	-0.26	33.20	NI	NI	NI	NI	NI	NI	NI	NI	15.21	15.96	17.14	14.25	13.09	13.51	12.52
EA-111R	-0.32	33.30	NI	NI	NI	NI	NI	NI	NI	NI	15.13	16.61	17.12	14.33	13.24	13.60	12.63

NOTES:
NM = Not measured
ft AGS = Feet above ground surface
MSL = Mean sea level
TOR = Top of riser

TABLE 2B

SUMMARY OF GROUNDWATER ELEVATIONS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Stickup (ft AGS)	Elevation Top of Riser (MSL)	Elevation of Groundwater Surface (MSL)														
			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04	6/14/05
MW01-10D	1.3	42.88	NI	NI	NI	NI	19.25	22.02	23.12	19.58	23.42	22.06	19.11	20.37	22.95	22.59	23.37
MW01-10R	2.10	43.96	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	20.06	20.29	22.80	22.46	23.21
MW01-13D	1.6	26.29	NI	NI	NI	NI	11.57	NM	13.49	11.70	13.92	12.68	11.61	12.31	13.43	13.09	13.46
MW01-14D	1.4	37.62	NI	NI	NI	NI	13.78	NM	15.82	13.87	16.02	14.76	13.76	14.41	15.57	15.18	15.73
MW01-15D	-0.4	32.39	NI	NI	NI	NI	16.43	NM	19.07	16.66	19.69	18.20	16.79	17.20	19.12	18.62	19.59
MW01-15R	-0.5	32.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	17.03	17.53	19.40	19.10	20.06
MW02-03D	1.7	41.23	15.52	17.36	17.32	15.46	15.57	NM	17.43	15.86	17.89	17.74	16.08	16.26	17.54	17.18	18.25
MW02-03R	1.8	41.11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	16.71	16.92	18.16	17.78	18.86
MW02-08D	-0.4	38.63	17.68	19.88	19.94	17.76	17.69	NM	20.22	18.08	NM	20.20	18.43	18.70	20.14	19.82	20.97
MW02-11D	2.0	40.04	17.10	19.17	19.16	17.26	17.24	NM	19.36	NM	19.77	19.41	17.86	18.14	19.41	19.01	20.1
MW03-03D	2.0	38.43	18.59	21.48	21.44	18.81	18.84	21.42	21.66	19.33	22.27	21.54	19.63	18.96	21.83	21.40	22.38
MW03-03R	1.27	38.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	19.75	19.09	21.95	21.41	21.55
MW03-05D	-0.4	37.87	18.19	20.93	20.92	18.49	18.43	NM	21.37	18.92	21.55	21.05	19.17	19.57	21.25	20.84	21.87
MW03-08D	2.1	32.74	19.69	23.20	22.89	19.48	NM	NM	24.12	20.44	24.38	22.56	21.54	21.19	23.45	23.07	23.8
MW03-08R	1.9	32.15	NI	NI	22.84	19.58	NM	23.04	NM	20.54	24.48	22.16	20.68	21.28	23.55	23.19	23.93
MW03-09D	2.2	43.40	NI	NI	23.06	19.64	NM	22.80	23.51	NM	23.83	22.89	20.60	20.91	23.49	23.08	24.1
MW03-10D	1.9	35.94	NI	NI	21.98	19.15	NM	22.16	22.92	NM	23.13	22.02	20.09	20.57	22.43	21.99	22.93
MW-Z3-01	2.3	43.80	NI	NI	NI	NI	NI	23.82	25.92	20.88	NM	23.79	21.45	21.81	25.17	24.72	25.63
MW-Z3-02	-0.5	36.67	NI	NI	NI	NI	NI	NM	16.00	NM	17.04	15.46	14.17	14.62	16.30	15.73	-13.18*
EA-110D	2.1	40.15	NI	NI	NI	NI	NI	NI	NI	NI	17.92	16.44	16.54	16.81	17.39	17.10	17.72
EA-110R	2.2	39.71	NI	NI	NI	NI	NI	NI	NI	NI	17.90	16.97	16.51	16.82	17.37	17.10	17.68
EA-111D	-0.26	33.20	NI	NI	NI	NI	NI	NI	NI	NI	17.99	17.24	16.06	18.95	20.11	19.69	20.68
EA-111R	-0.32	33.30	NI	NI	NI	NI	NI	NI	NI	NI	18.17	16.69	16.18	18.97	20.06	19.70	20.67

NOTES:
NM = Not measured
ft AGS = Feet above ground surface
MSL = Mean sea level
TOR = Top of riser
* = The groundwater elevation measurement for MW-Z3-02 was not included in the development of groundwater elevation contours due to an anomalous measurement that appears to have been taken in error.

TABLE 3

SUMMARY OF VERTICAL HYDRAULIC GRADIENTS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Cluster	Date	Vertical Distance* (ft)	Head Difference** (ft)	Hydraulic Gradient (ft/ft)
MW01-10 D/R	07/28/00	80.17	-0.28	-3.49E-03
	11/14/01	77.22	0.95	1.23E-02
	12/13/02	78.48	-0.08	-1.02E-03
	01/21/03	81.06	-0.15	-1.85E-03
	02/09/04	80.70	-0.13	-1.61E-03
	06/14/05	81.49	-0.16	-1.96E-03
MW01-15 D/R	07/28/00	24.42	-0.16	-6.55E-03
	11/14/01	52.39	0.24	4.58E-03
	12/13/02	52.80	0.33	6.25E-03
	01/21/03	54.72	0.28	5.12E-03
	02/09/04	54.22	0.48	8.85E-03
	06/14/05	55.21	0.47	8.51E-03
MW02-03 D/R	07/28/00	36.91	0.07	1.90E-03
	11/14/01	35.25	0.63	1.79E-02
	12/13/02	35.43	0.66	1.86E-02
	01/21/03	36.71	0.63	1.69E-02
	02/09/04	36.35	0.60	1.65E-02
	06/14/05	37.42	0.61	1.63E-02
MW03-03 D/R	07/28/00	67.2	-0.15	-2.23E-03
	11/14/01	65.29	0.12	1.84E-03
	12/13/02	64.62	0.13	2.01E-03
	01/21/03	67.49	0.12	1.78E-03
	02/09/04	67.06	0.01	1.49E-04
	06/14/05	66.69	-0.83	-1.25E-02
MW03-08 D/R	07/28/00	43.73	0.18	4.12E-03
	11/14/01	42.71	-0.86	-2.01E-02
	12/13/02	42.36	0.09	2.12E-03
	01/21/03	44.62	0.10	2.24E-03
	02/09/04	44.24	0.42	9.49E-03
	06/14/05	45	0.13	2.89E-03
EA-110 D/R	02/01/98	80.92	-0.02	-2.47E-04
	07/28/00	79.44	0.97	1.22E-02
	11/14/01	79.54	-0.03	-3.77E-04
	12/13/02	79.81	0.01	1.25E-04
	01/21/03	80.39	-0.02	2.49E-04
	02/09/04	80.1	0.00	0.00E+00
	06/14/05	79.72	-0.04	-5.00E-04
EA-111D/R	02/01/98	61.59	0.18	2.92E-03
	07/28/00	63.55	-0.23	-3.62E-03
	11/14/01	59.66	0.12	2.01E-03
	12/13/02	62.55	0.02	3.20E-04
	01/21/03	63.71	-0.05	-7.85E-04
	02/09/04	63.29	0.01	1.58E-04
	06/14/05	64.28	-0.01	-1.60E-04

NOTES:

NA = Not applicable. The well had recently been installed and developed and the water level had not fully recovered prior to the synoptic water level round.

* = The difference in elevation between the water table in the deep overburden well and the middle of the screened interval in the bedrock well. Vertical distances calculated using the approach cited in previous annual reports.

** = The elevation of the bedrock well piezometric surface minus the water table elevation.

TABLE 4

GROUNDWATER QUALITY FIELD PARAMETERS MEASURED PRIOR TO SAMPLING
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Date	Time	Temperature °C	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Eh (mV)	Turbidity (NTU)	Depth to Water (ft BTOC)
EA-110D	6/20/2005	1845	13.66	7.41	0.187	0.40	-26.0	80	22.53
EA-110R	6/20/2005	1635	13.23	8.62	0.230	0.18	-61.0	0	23.63
EA-111D	6/23/2005	1127	15.20	6.23	0.189	0.49	-13.0	19	12.73
EA-111R	6/23/2005	1134	15.16	5.86	0.210	0.76	17.3	NR	15.20
MW01-10D	6/22/2005	1159	12.62	6.55	0.171	0.61	-46.4	9	19.81
MW01-10R	6/22/2005	1039	12.62	7.26	0.199	1.69	-88.1	24	21.54
MW01-13D	6/22/2005	1112	12.00	6.19	0.163	0.32	-39.0	260	13.88
MW01-14D	6/22/2005	1319	12.42	6.52	0.172	0.34	-47.1	1.4	24.30
MW01-15D	6/22/2005	1447	13.50	4.97	0.115	0.39	475.5	7.3	13.74
MW01-15R	6/22/2005	1638	12.48	5.62	0.162	0.19	-59.6	33	13.85
MW02-03D	6/21/2005	1303	14.61	6.38	0.183	2.79	29.2	32	24.36
MW02-03R	6/21/2005	1532	14.90	6.28	0.201	0.37	-29.6	50	22.63
MW02-08D	6/21/2005	1228	16.63	5.64	0.104	1.20	207.1	16	17.98
MW02-11D	6/21/2005	1716	14.23	3.65	0.185	0.61	120.8	7.2	20.45
MW03-03D	6/21/2005	1434	13.76	6.23	0.167	0.62	-4.1	55	16.20
MW03-03R	6/21/2005	1602	13.96	6.29	0.152	0.11	-53.3	14	15.82
MW03-05D	6/21/2005	1037	14.99	5.67	0.093	4.15	258.6	27	16.44
MW03-08D	6/22/2005	1455	12.65	5.62	0.092	0.95	231.0	3	9.23
MW03-08R	6/22/2005	1316	11.51	6.47	0.190	0.44	29.9	1	9.87
MW03-09D	6/22/2005	1654	12.35	6.39	0.171	0.54	-49.6	8	19.68
MW03-10D	6/21/2005	1729	16.11	5.59	0.092	1.10	208.7	3	13.22
MW-Z3-01	6/20/2005	1355	11.72	7.18	0.204	0.50	17.0	6	18.46
MW-Z3-02	6/21/2005	1115	13.62	6.42	0.141	1.88	20.8	75	50.35

NOTES:
mS/cm = Millisiemens per centimeter
mg/L = Milligrams per liter
NTU = Nephelometric turbidity unit
BTOC = Below top of casing
mV = Millivolts
NR = No reading

TABLE 5

GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

	LOCATION ID		EA-110D	EA-110R	EA-111D	EA-111R	MW01-10D	MW01-10R	MW01-13D	MW01-14D
	SAMPLE ID		EA-110D-062005	EA-110R-062005	EA-111D-062305	EA-111R-062305	MW01-10D-062205	MW01-10R-062205	MW01-13D-062205	MW01-14D-062205
	SAMPLE DATE		20-Jun-2005	20-Jun-2005	23-Jun-2005	23-Jun-2005	22-Jun-2005	22-Jun-2005	22-Jun-2005	22-Jun-2005
	QC IDENTIFIER									
PARAMETER	METHOD	PAL								
VOLATILE ORGANIC COMPOUNDS (UG/L)										
1,1,1-TRICHLOROETHANE	8260B	200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,1,2,2-TETRACHLOROETHANE	8260B		0.5 U	0.5 U	1.4	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,1,2-TRICHLOROETHANE	8260B	5	0.61 U	0.61 U	0.62 J	0.61 U	0.61 UJ	0.61 UJ	0.61 UJ	0.61 UJ
1,1-DICHLOROETHANE	8260B		0.42 U	0.42 U	3.8	2.4	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
1,1-DICHLOROETHENE	8260B	7	0.73 U	0.73 U	0.73 U	0.73 U	0.73 UJ	0.73 UJ	0.73 UJ	0.73 UJ
1,2-DICHLOROETHANE	8260B	5	0.41 UJ	0.41 UJ	0.41 U	0.41 U	0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ
1,2-DICHLOROPROPANE	8260B	5	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ
2-BUTANONE	8260B		2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
2-HEXANONE	8260B		1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
4-METHYL-2-PENTANONE	8260B		2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 UJ	2 UJ
ACETONE	8260B		4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ
BENZENE	8260B	5	0.36 U	0.36 U	0.36 U	0.36 U	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ
BROMODICHLOROMETHANE	8260B		0.98 U	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 UJ	0.98 UJ	0.98 UJ
BROMOFORM	8260B		0.45 U	0.45 U	0.45 U	0.45 U	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ
BROMOMETHANE	8260B		0.65 U	0.65 U	0.65 U	0.65 U	0.65 UJ	0.65 UJ	0.65 UJ	0.65 UJ
BTEX	8260B		0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
CARBON DISULFIDE	8260B		0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ
CARBON TETRACHLORIDE	8260B	5	0.43 U	0.43 U	0.43 U	0.43 U	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
CHLOROBENZENE	8260B	100	0.38 U	0.38 U	0.38 U	0.38 U	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ
CHLORODIBROMOMETHANE	8260B		0.36 U	0.36 U	0.36 U	0.36 U	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ
CHLOROETHANE	8260B		0.96 U	0.96 U	0.96 U	0.96 U	0.96 UJ	0.96 UJ	0.96 UJ	0.96 UJ
CHLOROFORM	8260B		0.66 U	0.66 U	0.66 U	0.66 U	0.66 UJ	0.66 UJ	0.66 UJ	0.66 UJ
CHLOROMETHANE	8260B		0.55 UJ	0.55 UJ	0.55 UJ	0.55 UJ	0.55 UJ	0.55 UJ	0.55 UJ	0.55 UJ
CIS-1,3-DICHLOROPROPENE	8260B		0.42 U	0.42 U	0.42 U	0.42 U	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
ETHYLBENZENE	8260B	700	0.36 U	0.36 U	0.36 U	0.36 U	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ
METHYLENE CHLORIDE	8260B	5	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ
STYRENE	8260B	100	0.38 U	0.38 U	0.38 U	0.38 U	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ
TETRACHLOROETHENE	8260B	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 UJ	0.37 UJ	0.37 UJ	0.37 UJ
TOLUENE	8260B	1000	0.38 U	0.38 U	0.38 U	0.38 U	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ
TOTAL 1,2-DICHLOROETHENE	8260B	100	1 U	1 U	1	1.5	1 UJ	1 UJ	1.4 J	6 J
TOTAL XYLENES	8260B	10000	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ
TRANS-1,3-DICHLOROPROPENE	8260B		0.37 U	0.37 U	0.37 U	0.37 U	0.37 UJ	0.37 UJ	0.37 UJ	0.37 UJ
TRICHLOROETHENE	8260B	5	0.49 UJ	0.49 UJ	0.49 U	0.49 U	0.49 UJ	0.49 UJ	0.49 UJ	0.49 UJ
VINYL CHLORIDE	8260B	2	0.49 U	0.49 U	0.49 U	0.49 U	0.49 UJ	0.49 UJ	0.49 UJ	0.49 UJ
TOTAL CVOC	8260B		0.36 U	0.36 U	6.82	3.9	0.36 U	0.36 U	1.4	6

NOTE:

Project Action Limit (PAL) is the Rhode Island Department of Environmental Management GA Groundwater Objectives.

BLACK BACKGROUND - CRITERIA EXCEEDED; GREY BACKGROUND - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; NA - NOT ANALYZED; ug/L - MICROGRAMS PER LITER; PPT - PARTS PER THOUSAND

TABLE 5

GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

	LOCATION ID		MW01-15D	MW01-15D	MW01-15R	MW02-03D	MW02-03R	MW02-08D	MW02-11D	MW03-03D
	SAMPLE ID		MW01-15D-062205	MW01-15D-062205-D	MW01-15R-062205	MW02-03D-062105	MW02-03R-062105	MW02-08D-062105	MW02-11D-062105	MW03-03D-062105
	SAMPLE DATE		22-Jun-2005	22-Jun-2005	22-Jun-2005	21-Jun-2005	21-Jun-2005	21-Jun-2005	21-Jun-2005	21-Jun-2005
	QC IDENTIFIER		DUPLICATE PAIR	DUPLICATE PAIR						
PARAMETER	METHOD	PAL								
VOLATILE ORGANIC COMPOUNDS (UG/L)										
1,1,1-TRICHLOROETHANE	8260B	200	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
1,1,2,2-TETRACHLOROETHANE	8260B		0.5 UJ	0.5 UJ	0.5 UJ	1.1 J	0.5 UJ	1.8 J	0.5 UJ	7.6 J
1,1,2-TRICHLOROETHANE	8260B	5	0.61 UJ	0.61 UJ	0.61 UJ	2.2 J	2	0.66 J	2.3 J	2 J
1,1-DICHLOROETHANE	8260B		0.42 UJ	0.42 UJ	0.42 UJ	0.48 J	0.42 U	0.42 UJ	0.42 UJ	0.42 UJ
1,1-DICHLOROETHENE	8260B	7	0.73 UJ	0.73 UJ	0.73 UJ	0.73 UJ	0.73 U	0.73 UJ	0.73 UJ	0.73 UJ
1,2-DICHLOROETHANE	8260B	5	0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ	0.41 U	0.41 UJ	0.41 UJ	0.41 UJ
1,2-DICHLOROPROPANE	8260B	5	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 U	0.83 UJ	0.83 UJ	0.83 UJ
2-BUTANONE	8260B		2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ
2-HEXANONE	8260B		1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
4-METHYL-2-PENTANONE	8260B		2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
ACETONE	8260B		4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 U	4.3 UJ	4.3 UJ	4.3 UJ
BENZENE	8260B	5	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ
BROMODICHLOROMETHANE	8260B		0.98 UJ	0.98 UJ	0.98 UJ	0.98 UJ	0.98 U	0.98 UJ	0.98 UJ	0.98 UJ
BROMOFORM	8260B		0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ
BROMOMETHANE	8260B		0.65 UJ	0.65 UJ	0.65 UJ	0.65 UJ	0.65 U	0.65 UJ	0.65 UJ	0.65 UJ
BTEX	8260B		0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
CARBON DISULFIDE	8260B		0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	0.46 U	0.46 UJ	0.46 UJ	0.46 UJ
CARBON TETRACHLORIDE	8260B	5	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ	0.43 U	0.43 UJ	0.43 UJ	0.43 UJ
CHLOROBENZENE	8260B	100	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ
CHLORODIBROMOMETHANE	8260B		0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 U	0.36 UJ	0.36 UJ	0.36 UJ
CHLOROETHANE	8260B		0.96 UJ	0.96 UJ	0.96 UJ	0.96 UJ	0.96 U	0.96 UJ	0.96 UJ	0.96 UJ
CHLOROFORM	8260B		0.66 UJ	0.66 UJ	0.66 UJ	0.66 UJ	0.66 U	0.66 UJ	0.66 UJ	0.66 UJ
CHLOROMETHANE	8260B		0.55 UJ	0.55 UJ	0.55 UJ	0.55 UJ	0.55 U	0.55 UJ	0.55 UJ	0.55 UJ
CIS-1,3-DICHLOROPROPENE	8260B		0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ	0.42 U	0.42 UJ	0.42 UJ	0.42 UJ
ETHYLBENZENE	8260B	700	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 U	0.36 UJ	0.36 UJ	0.36 UJ
METHYLENE CHLORIDE	8260B	5	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.4 U	1.4 UJ	1.4 UJ	1.4 UJ
STYRENE	8260B	100	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 U	0.38 UJ	0.38 UJ	0.38 UJ
TETRACHLOROETHENE	8260B	5	0.37 UJ	0.37 UJ	0.37 UJ	0.37 UJ	0.37 U	0.37 UJ	0.37 UJ	0.37 UJ
TOLUENE	8260B	1000	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 U	0.38 UJ	0.38 UJ	0.38 UJ
TOTAL 1,2-DICHLOROETHENE	8260B	100	1.6 J	1.2 J	1 UJ	26.6 J	25.8	10.1 J	33.6 J	68.1 J
TOTAL XYLENES	8260B	10000	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TRANS-1,3-DICHLOROPROPENE	8260B		0.37 UJ	0.37 UJ	0.37 UJ	0.37 UJ	0.37 U	0.37 UJ	0.37 UJ	0.37 UJ
TRICHLOROETHENE	8260B	5	1.5 J	1.6 J	0.49 UJ	12 J	15.4	12.5 J	8.2 J	141 J
VINYL CHLORIDE	8260B	2	0.49 UJ	0.49 UJ	0.49 UJ	1.3 J	1.2	0.49 UJ	1.3 J	1.6 J
TOTAL CVOC	8260B		3.1	2.8	0.36 U	43.7	44.4	25.1	45.4	220

NOTE:

Project Action Limit (PAL) is the Rhode Island Department of Environmental Management GA Groundwater Objectives.

BLACK BACKGROUND - CRITERIA EXCEEDED; GREY BACKGROUND - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; NA - NOT ANALYZED; ug/L - MICROGRAMS PER LITER; PPT - PARTS PER THOUSAND

TABLE 5

GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

	LOCATION ID		MW03-03R	MW03-05D	MW03-08D	MW03-08R	MW03-08R	MW03-09D	MW03-10D
	SAMPLE ID		MW03-03R-062105	MW03-05D-062105	MW03-08D-062205	MW03-08R-062205	MW03-08R-062205-D	MW03-09D-062205	MW03-10D-062105
	SAMPLE DATE		21-Jun-2005	21-Jun-2005	22-Jun-2005	22-Jun-2005	22-Jun-2005	22-Jun-2005	21-Jun-2005
	QC IDENTIFIER					DUPLICATE PAIR	DUPLICATE PAIR		
PARAMETER	METHOD	PAL							
VOLATILE ORGANIC COMPOUNDS (UG/L)									
1,1,1-TRICHLOROETHANE	8260B	200	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U
1,1,2,2-TETRACHLOROETHANE	8260B		7.7 J	0.5 UJ	259 J	290 J	294 J	2.6 J	0.5 UJ
1,1,2-TRICHLOROETHANE	8260B	5	1.3 J	0.61 UJ	13.5 J	24.1	25.2 J	5.6 J	1.6
1,1-DICHLOROETHANE	8260B		0.42 UJ	0.42 UJ	0.42 UJ	0.42 U	0.42 UJ	1.1 J	0.42 U
1,1-DICHLOROETHENE	8260B	7	0.73 UJ	0.73 UJ	1.2 J	5.1	5 J	0.73 UJ	0.73 U
1,2-DICHLOROETHANE	8260B	5	0.41 UJ	0.41 UJ	0.41 UJ	0.41 U	0.41 UJ	0.41 UJ	0.41 U
1,2-DICHLOROPROPANE	8260B	5	0.83 UJ	0.83 UJ	0.83 UJ	0.83 U	0.83 UJ	0.83 UJ	0.83 U
2-BUTANONE	8260B		2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U
2-HEXANONE	8260B		1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
4-METHYL-2-PENTANONE	8260B		2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
ACETONE	8260B		4.3 UJ	4.3 UJ	4.3 UJ	4.3 U	4.3 UJ	4.3 UJ	4.3 U
BENZENE	8260B	5	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ
BROMODICHLOROMETHANE	8260B		0.98 UJ	0.98 UJ	0.98 UJ	0.98 U	0.98 UJ	0.98 UJ	0.98 U
BROMOFORM	8260B		0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ
BROMOMETHANE	8260B		0.65 UJ	0.65 UJ	0.65 UJ	0.65 UJ	0.65 UJ	0.65 UJ	0.65 U
BTEX	8260B		0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
CARBON DISULFIDE	8260B		0.46 UJ	0.46 UJ	0.46 UJ	0.46 U	0.46 UJ	0.46 UJ	0.46 U
CARBON TETRACHLORIDE	8260B	5	0.43 UJ	0.43 UJ	0.43 UJ	0.43 U	0.43 UJ	0.43 UJ	0.43 U
CHLOROBENZENE	8260B	100	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ
CHLORODIBROMOMETHANE	8260B		0.36 UJ	0.36 UJ	0.36 UJ	0.36 U	0.36 UJ	0.36 UJ	0.36 U
CHLOROETHANE	8260B		0.96 UJ	0.96 UJ	0.96 UJ	0.96 U	0.96 UJ	0.96 UJ	0.96 U
CHLOROFORM	8260B		0.66 UJ	0.66 UJ	0.66 UJ	0.66 U	0.66 UJ	0.66 UJ	0.66 U
CHLOROMETHANE	8260B		0.55 UJ	0.55 UJ	0.55 UJ	0.55 U	0.55 UJ	0.55 UJ	0.55 U
CIS-1,3-DICHLOROPROPENE	8260B		0.42 UJ	0.42 UJ	0.42 UJ	0.42 U	0.42 UJ	0.42 UJ	0.42 U
ETHYLBENZENE	8260B	700	0.36 UJ	0.36 UJ	0.36 UJ	0.36 U	0.36 UJ	0.36 UJ	0.36 U
METHYLENE CHLORIDE	8260B	5	1.4 UJ	1.4 UJ	1.4 UJ	1.4 U	1.4 UJ	1.4 UJ	1.4 U
STYRENE	8260B	100	0.38 UJ	0.38 UJ	0.38 UJ	0.38 U	0.38 UJ	0.38 UJ	0.38 U
TETRACHLOROETHENE	8260B	5	0.37 UJ	0.37 UJ	7.5 J	3.5	3.5 J	0.37 UJ	0.37 U
TOLUENE	8260B	1000	0.38 UJ	0.38 UJ	0.38 UJ	0.38 U	0.38 UJ	0.38 UJ	0.38 U
TOTAL 1,2-DICHLOROETHENE	8260B	100	23.2 J	1.1 J	215 J	376	377 J	171 J	23.7
TOTAL XYLENES	8260B	10000	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TRANS-1,3-DICHLOROPROPENE	8260B		0.37 UJ	0.37 UJ	0.37 UJ	0.37 U	0.37 UJ	0.37 UJ	0.37 U
TRICHLOROETHENE	8260B	5	54.8 J	2.2 J	633	1300	1350 J	177 J	64.5
VINYL CHLORIDE	8260B	2	0.61 J	0.49 UJ	1.9 J	5.4	5.1 J	3.9 J	0.49 U
TOTAL CVOC	8260B		87.6	3.3	1130	2000	2060	361	89.8

NOTE:

Project Action Limit (PAL) is the Rhode Island Department of Environmental Management GA Groundwater Objectives.

BLACK BACKGROUND - CRITERIA EXCEEDED; GREY BACKGROUND - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; NA - NOT ANALYZED; ug/L - MICROGRAMS PER LITER; PPT - PARTS PER THOUSAND

TABLE 5

GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

	LOCATION ID		MW-Z3-01	MW-Z3-01	MW-Z3-02
	SAMPLE ID		MW-Z3-01-062005	MW-Z3-01-062005-D	MW-Z3-02-062105
	SAMPLE DATE		20-Jun-2005	20-Jun-2005	21-Jun-2005
	QC IDENTIFIER		DUPLICATE PAIR	DUPLICATE PAIR	
PARAMETER	METHOD	PAL			
VOLATILE ORGANIC COMPOUNDS (UG/L)					
1,1,1-TRICHLOROETHANE	8260B	200	0.5 UJ	0.5 UJ	0.5 UJ
1,1,2,2-TETRACHLOROETHANE	8260B		51.6 J	51.7 J	0.5 UJ
1,1,2-TRICHLOROETHANE	8260B	5	8 J	8.1 J	0.61 UJ
1,1-DICHLOROETHANE	8260B		0.42 UJ	0.42 UJ	0.42 UJ
1,1-DICHLOROETHENE	8260B	7	0.73 UJ	0.73 UJ	0.73 UJ
1,2-DICHLOROETHANE	8260B	5	0.41 UJ	0.41 UJ	0.41 UJ
1,2-DICHLOROPROPANE	8260B	5	0.83 UJ	0.83 UJ	0.83 UJ
2-BUTANONE	8260B		2.5 UJ	2.5 UJ	2.5 UJ
2-HEXANONE	8260B		1.8 UJ	1.8 UJ	1.8 UJ
4-METHYL-2-PENTANONE	8260B		2 UJ	2 UJ	2 UJ
ACETONE	8260B		4.3 UJ	4.3 UJ	4.3 UJ
BENZENE	8260B	5	0.36 UJ	0.36 UJ	0.36 UJ
BROMODICHLOROMETHANE	8260B		0.98 UJ	0.98 UJ	0.98 UJ
BROMOFORM	8260B		0.45 UJ	0.45 UJ	0.45 UJ
BROMOMETHANE	8260B		0.65 UJ	0.65 UJ	0.65 UJ
BTEX	8260B		0.36 U	0.36 U	0.36 U
CARBON DISULFIDE	8260B		0.46 UJ	0.46 UJ	0.46 UJ
CARBON TETRACHLORIDE	8260B	5	0.43 UJ	0.43 UJ	0.43 UJ
CHLOROBENZENE	8260B	100	0.38 UJ	0.38 UJ	0.38 UJ
CHLORODIBROMOMETHANE	8260B		0.36 UJ	0.36 UJ	0.36 UJ
CHLOROETHANE	8260B		0.96 UJ	0.96 UJ	0.96 UJ
CHLOROFORM	8260B		0.66 UJ	0.66 UJ	0.66 UJ
CHLOROMETHANE	8260B		0.55 UJ	0.55 UJ	0.55 UJ
CIS-1,3-DICHLOROPROPENE	8260B		0.42 UJ	0.42 UJ	0.42 UJ
ETHYLBENZENE	8260B	700	0.36 UJ	0.36 UJ	0.36 UJ
METHYLENE CHLORIDE	8260B	5	1.4 UJ	1.4 UJ	1.4 UJ
STYRENE	8260B	100	0.38 UJ	0.38 UJ	0.38 UJ
TETRACHLOROETHENE	8260B	5	0.37 UJ	0.37 UJ	0.37 UJ
TOLUENE	8260B	1000	0.38 UJ	0.38 UJ	0.38 UJ
TOTAL 1,2-DICHLOROETHENE	8260B	100	262 J	263 J	1 UJ
TOTAL XYLENES	8260B	10000	1 UJ	1 UJ	1 UJ
TRANS-1,3-DICHLOROPROPENE	8260B		0.37 UJ	0.37 UJ	0.37 UJ
TRICHLOROETHENE	8260B	5	345 J	357 J	1.1 J
VINYL CHLORIDE	8260B	2	8.1 J	8.1 J	0.49 UJ
TOTAL CVOC	8260B		675	688	1.1

NOTE:

Project Action Limit (PAL) is the Rhode Island Department of Environmental Management GA Groundwater Objectives.

BLACK BACKGROUND - CRITERIA EXCEEDED; GREY BACKGROUND - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; NA - NOT ANALYZED; ug/L - MICROGRAMS PER LITER; PPT - PARTS PER THOUSAND

TABLE 6

HISTORICAL SUMMARY OF DETECTED ANALYTES EXCEEDING PALS IN GROUNDWATER SAMPLES - NOVEMBER 1995 TO JUNE 2005
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

Analytes (PAL µg/L)						IGWSE 02	IGWSE 03	IGWSE 04
	Nov 1995	Dec 1996	Mar 1998	Sep 2000	Nov 2001	Jan 2003	Feb 2004	Jun 2005
1,1,2-Trichloroethane (5)								
MW03-03D	12	<25U	<25UJ	7.29	4	3.68J	2.67	2 J
MW03-08D	79	<50U	49J/49J	12	7/7	18J/22J	17/17	13.5 J
MW03-08R	<10U			25	20	36J	29	24.1/25.2 J
MW03-09D	6	<10U		8J/11J	6.66	6.74J	6.34	5.6 J
MW03-10D	7	<5U/<5U		2.45	1.64	2.28J	1.69	1.6
MW-Z3-01		1J	21J	7	6.75	11J	8.25	8 J/8.1 J
***cis* -1,2-Dichloroethene (70)**								
MW03-03D		130	130J	89	76	82J	63	NR*
MW03-08D		210	440J/460J	190	90/91	200J/190J	190/180	NR*
MW03-08R				280	290	390J	420	NR*
MW03-09D		190		190/240	150	200J	170	NR*
MW-Z3-01		14J	270J	130	120	210J	160	NR*
Tetrachlorothene (5)								
MW03-08D	<400U	<50U	<50UJ/<50UJ	3.61	5/5	8.4J/9.86J	9.72J/9.6J	7.5 J
***trans* -1,2-Dichloroethene (100)**								
MW03-08D		90	230J/240J	45	40/42	91J/90J	87/86	NR*
MW03-08R				100	120	140J	140	NR*
Total 1,2-Dichloroethene (100)								
MW03-08D	NR**	NR**	NR**	NR**	NR**	NR**	NR**	215 J
MW03-08R	NR**	NR**	NR**	NR**	NR**	NR**	NR**	376/377 J
MW03-09D	NR**	NR**	NR**	NR**	NR**	NR**	NR**	171 J
MW-Z3-01	NR**	NR**	NR**	NR**	NR**	NR**	NR**	262 J/263 J
Trichloroethene (5)								
MW01-15D	15	9		5.82	4.39	<1UJ	1.23	1.5 J/1.6 J
MW02-03D	6	8	8J	17	14J	13J	19	12 J
MW02-03R				<1U	8.87J	11J	19	15.4
MW02-08D	10	7		8 (DUP)	10	14J/12J	9.7	12.5 J
MW02-11D	<10U	<1U		1.76	<5U	<1UJ	6.02	8.2 J
MW03-03D	450	390	400J	220	220J	220J	180	141 J
MW03-03R				160/170	94/95	91J/95J	60/54	54.8 J
MW03-08D	4000	1200	2200J/2300J	840	320/320	1100J/1000J	910/890	633
MW03-08R	2900			1000	1300J	1900J	1700	1300/1350 J
MW03-09D	2	39		130/140	75J	150J	160	177 J
MW03-10D	200	100/110		98	99J	100J	78	64.5
MW-Z3-01		32J	620J	220	290J	590J	410	345 J/357 J
MW-Z3-02		<1U		16	1.12J	<1UJ	1.35/1.33	1.1 J
Vinyl Chloride (2)								
MW02-11D	1	<1U		0.914	<5UJ	2.01J	1.1	1.3 J
MW03-03D	2	<25U	<25UJ	1.38	1J	2.33J	1.05	1.6 J
MW03-08D	<400U	<50U	<50UJ/<50UJ	<1U	<5UJ/<5UJ	3.57J/4.54J	2.35/2.39	1.9 J
MW03-08R	<10U			3.53	4J	11J	6.56	5.4/5.1 J
MW03-09D	3	<10U		4/5.13	7.04	6.54J	3.66	3.9 J
MW-Z3-01		<1U	<25UJ	3	4.14	7.81J	3.51	8.1 J/8.1 J

NOTES:

PAL = Project Action Limit (PAL) is the Rhode Island Department of Environmental Management GA Groundwater Objectives.

* = Cis- and trans-1,2-dichloroethene results were not reported by the laboratory in June 2005. Total 1,2-dichlorothene was reported and is presented for June 2005.

** = Cis- and trans-1,2-dichloroethene results were reported prior to June 2005. Total 1,2-dichlorothene results were not reported prior to June 2005.

TABLE 7

SUMMARY OF HISTORIC TOTAL CVOC DETECTIONS IN GROUNDWATER SAMPLES - NOVEMBER 1995 TO JUNE 2005
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

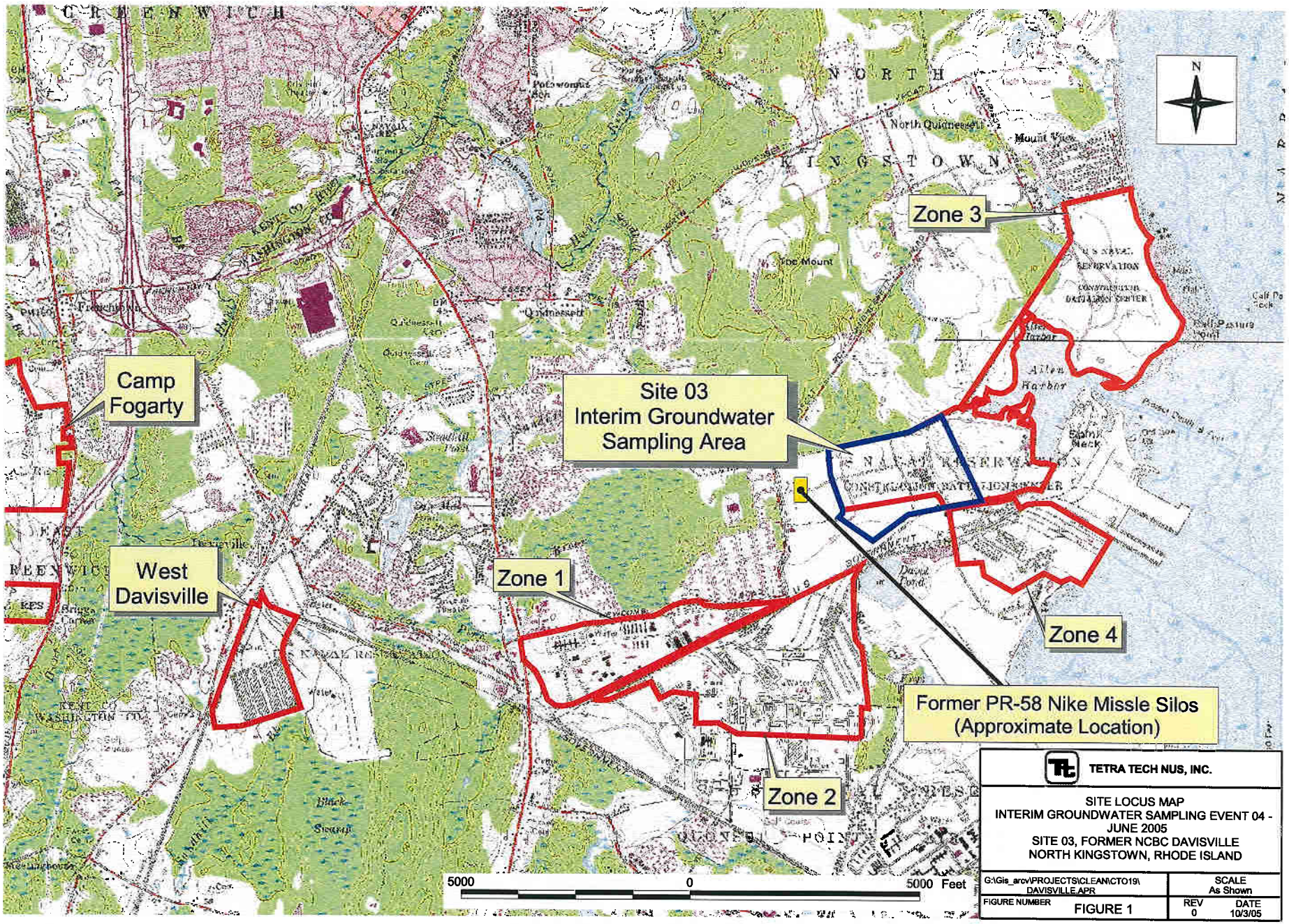
Well Number (µg/L)						IGWSE 02	IGWSE 03	IGWSE 04
	Nov 1995	Dec 1996	Mar 1998	Sep 2000	Nov 2001	Jan 2003	Feb 2004	Jun 2005
EA-110D	*	*	<1U	<1U	0.2	0.492	0.382	0.36 U
EA-110R	*	*	<1U	<1U	<1U	<1UJ	0.217	0.36 U
EA-111D	*	*	0.6 (0.6)	1.4	2	4.45	3.74	6.82
EA-111R	*	*	2	<1U (<1U)	1	0.913	1.66	3.9
MW01-10D	<10U	<1U	NM	<1U	<5U	0.397	0.164 (0.186)	0.36 U
MW01-10R	*	*	*	<1U	<5U	<1UJ	<1U	0.36 U
MW01-13D	<10U (<10U)	<1U (<1U)	NM	<1U	<5U	0.251	1.01	1.4
MW01-14D	<10U	2	3.6	4.1	4	6.32	8.08	6
MW01-15D	29	16	NM	8.9	7.8	1.52	2.30	3.1 (2.8)
MW01-15R	*	*	*	1.9	1.3	0.778	0.74	0.36 U
MW02-03D	31	40	37.3	54.0	49.5	52.1	62.2	43.7
MW02-03R	*	*	*	<1U	46.8	53.3	68.0	44.4
MW02-08D	23	14	NM	15	17.0 (21.9)	35.2	20.9	25.1
MW02-11D	18	20	NM	24.5	21	30.6	41.8	45.4
MW03-03D	778	629	642	385	345	356	281	220
MW03-03R	*	*	*	268 (291)	156 (153)	164	99.6 (90.9)	87.6
MW03-05D	6	<1U	NM	<1U	<1U	0.46	3.04	3.3
MW03-08D	8,380	2,200	4,120 (4,350)	1,550	605 (612)	2,040	1,590 (1,550)	1130
MW03-08R	5,360	NM	NM	1,810	2,050	3,110	2,700	2000 (2060)
MW03-09D	91	250	NM	377 (442)	276	401	382	361
MW03-10D	409	189 (203)	NM	174	150	177	129	89.8
MW-Z3-0l	---	61	1,180	476	515	986	693	648 (688)
MW-Z3-02	---	<1U	NM	54	2.8	1.63	2.66 (2.63)	1.1

NOTES:

CVOC	=	Chlorinated Volatile Organic Compounds
*	=	Not installed
NM	=	Not measured
( )	=	Field duplicate sample results.

GREY BACKGROUND - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
UG/L - MICROGRAMS PER LITER

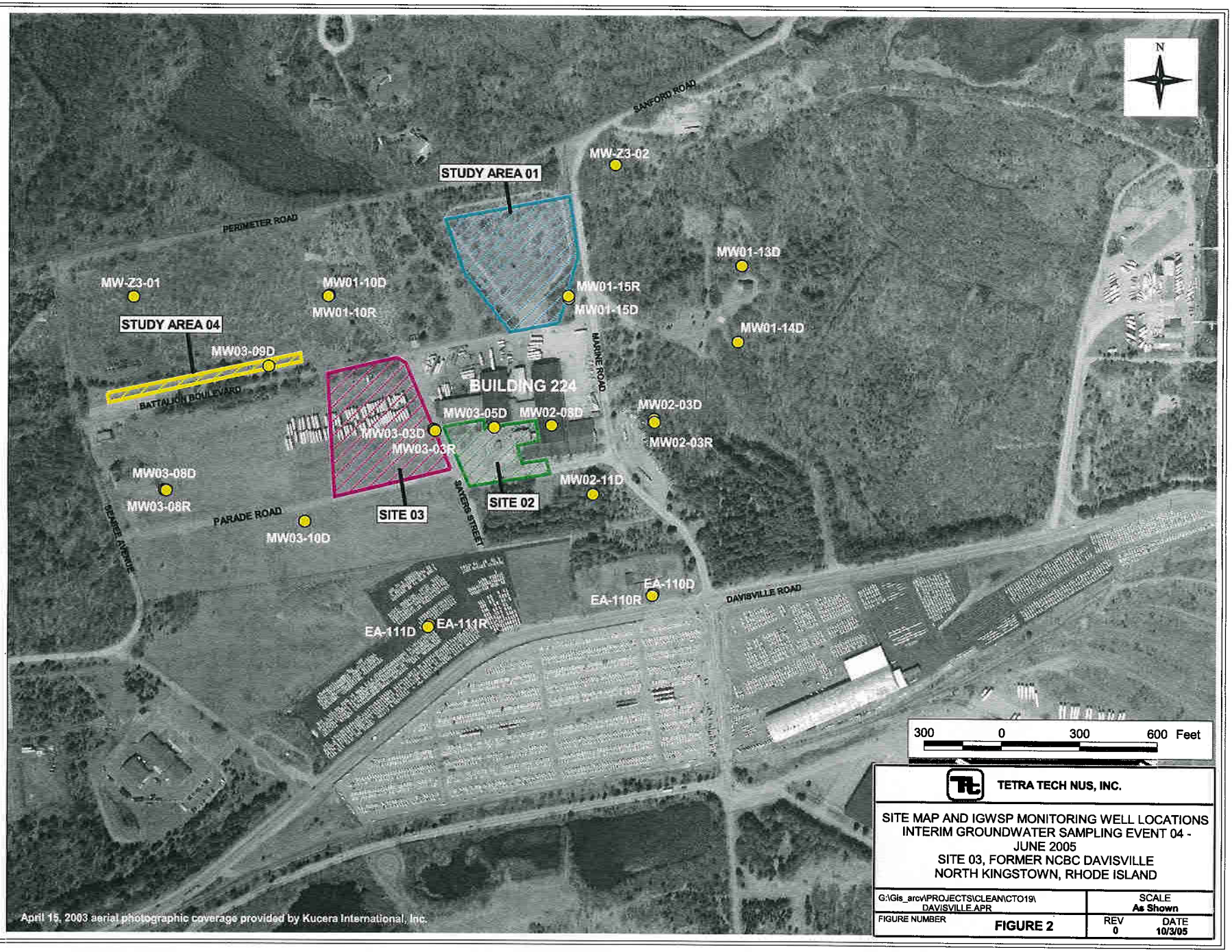
FIGURES



TETRA TECH NUS, INC.

SITE LOCUS MAP
INTERIM GROUNDWATER SAMPLING EVENT 04 - JUNE 2005
SITE 03, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

G:\Gis_arcv\PROJECTS\CLEAN\CTO19\ DAVISVILLE.APR		SCALE As Shown
FIGURE NUMBER FIGURE 1	REV 0	DATE 10/3/05

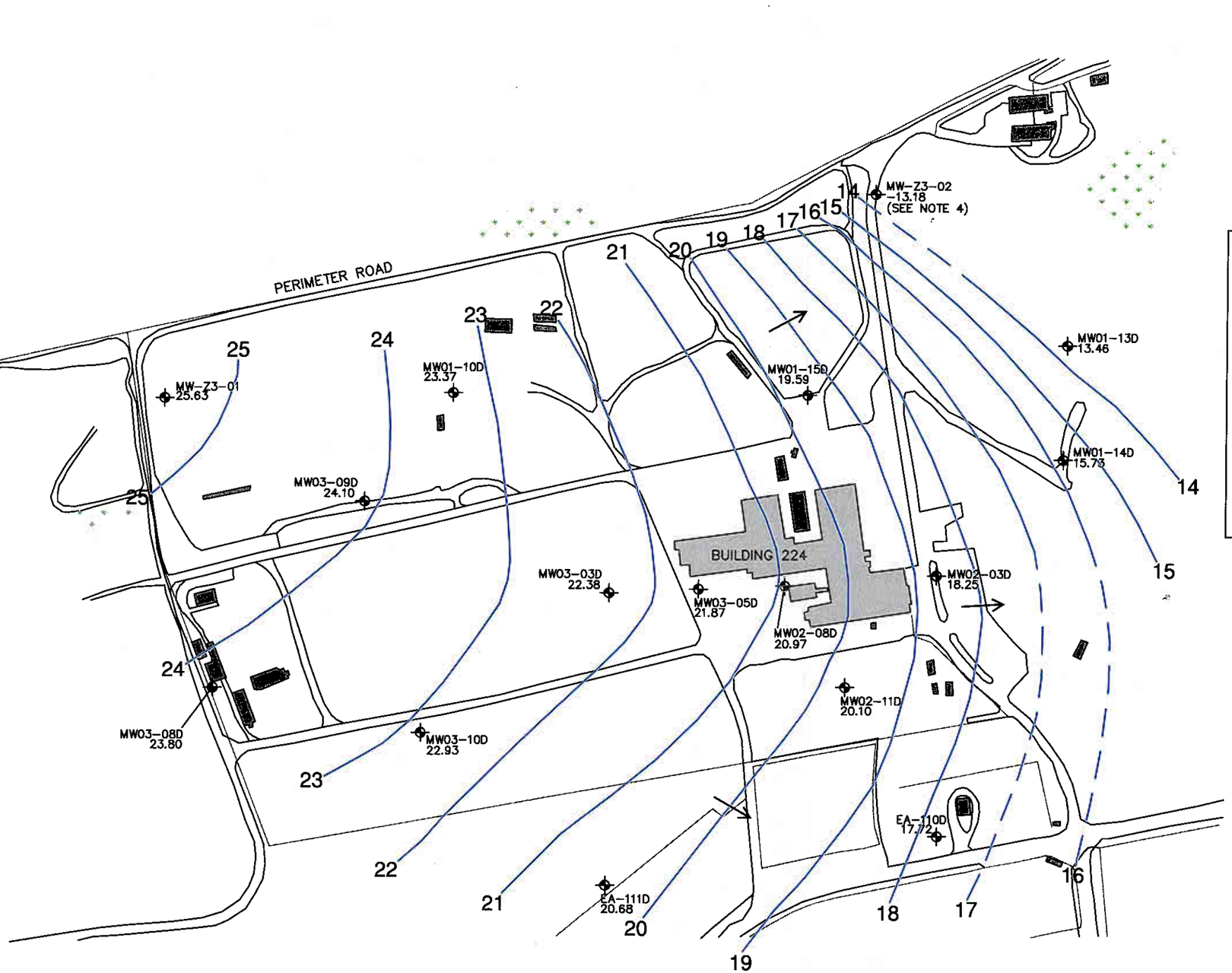


TETRA TECH NUS, INC.

SITE MAP AND IGWSP MONITORING WELL LOCATIONS
INTERIM GROUNDWATER SAMPLING EVENT 04 - JUNE 2005
SITE 03, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

G:\Gis_arcv\PROJECTS\CLEAN\CTO19\DAVISVILLE.APR		SCALE As Shown
FIGURE NUMBER FIGURE 2	REV 0	DATE 10/3/05

ACAD: \1511\0321\DEEP_4.DWG 10/10/05 DWM



N

LEGEND

MW01-10D 22.93	MONITORING WELL LOCATION, DESCRIPTION, AND ELEVATION OF GROUDNWATER SURFACE IN FEET MEAN SEA LEVEL (ft MSL)
22	INTERPRETIVE CONTOUR OF EQUAL ELEVATION (ft MSL) OF GROUNDWATER SURFACE (DASHED WHERE APPROXIMATE)
	WETLAND
	GROUNDWATER FLOW DIRECTION
	FENCELINE

NOTES:

1. BASE MAP FROM RIEDC CAD FILES 1997.
2. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE.
3. PLAN NOT TO BE USED FOR DESIGN.
4. MEASURED GROUNDWATER SURFACE OF MW-Z3-02 ASSUMED TO BE ANOMALOUS AND OMITTED FROM CONTOUR CALCULATIONS IN IGWSE 04. (SEE TABLES 2A/2B)

GRAPHIC SCALE
0' 300'

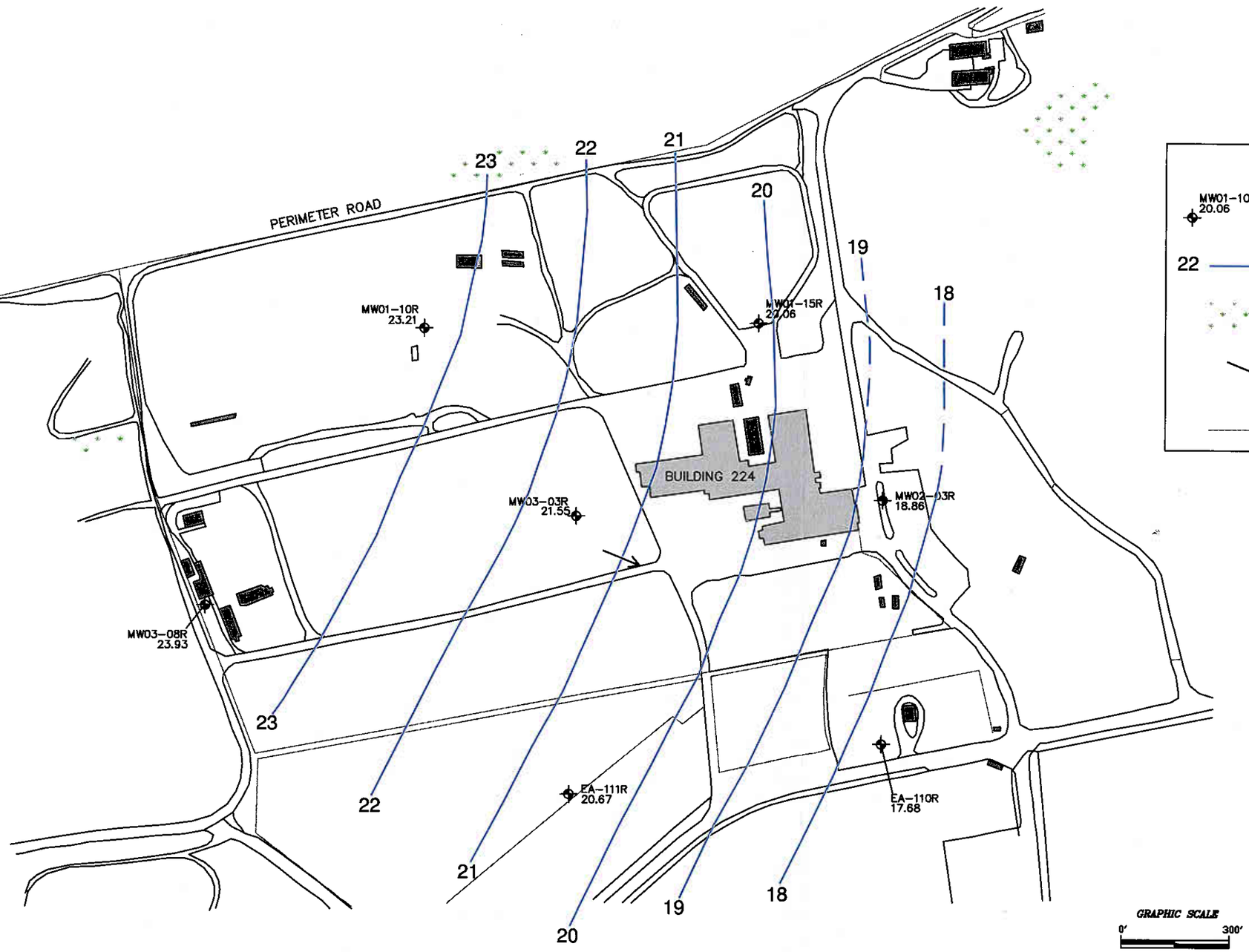
TETRA TECH NUS, INC.

GROUNDWATER SURFACE CONTOURS
OVERBURDEN AQUIFER
INTERIM GROUNDWATER SAMPLING EVENT 04
JUNE 14, 2005 – SITE 03
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

FILE	SCALE
1511\0321\DEEP_4.DWG	AS NOTED

FIGURE NUMBER	REV	DATE
3A	0	10/10/05

ACAD:\1511\0321\ROCK_4.DWG 10/10/05 DWM



N

LEGEND

MW01-10R 20.06	MONITORING WELL LOCATION, DESCRIPTION, AND ELEVATION OF GROUDNWATER SURFACE IN FEET MEAN SEA LEVEL (ft MSL)
22	INTERPRETIVE CONTOUR OF EQUAL ELEVATION (ft MSL) OF GROUNDWATER SURFACE (DASHED WHERE APPROXIMATE)
	WETLAND
	GROUNDWATER FLOW DIRECTION
	FENCELINE

NOTES:

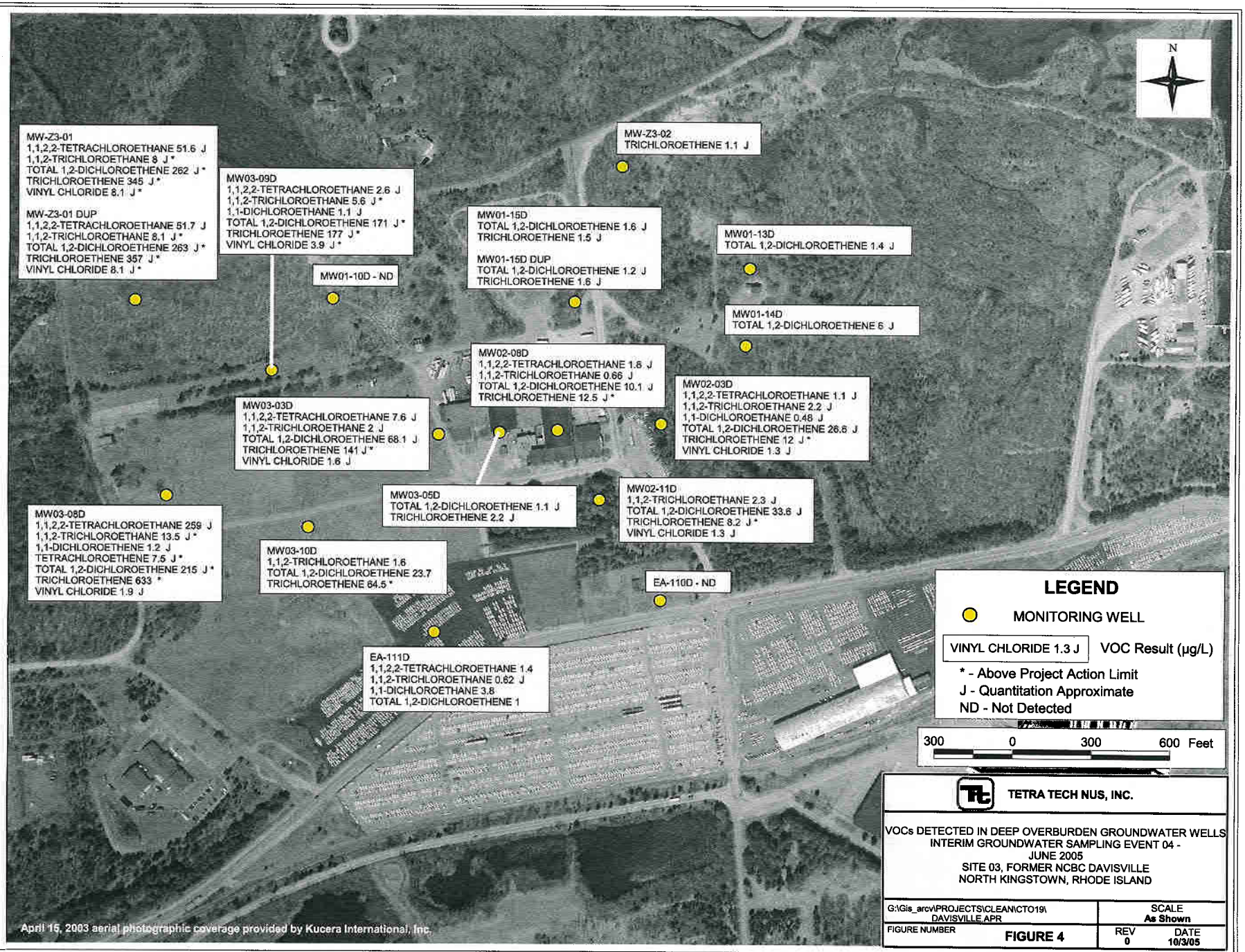
1. BASE MAP FROM RIEDC CAD FILES 1997.
2. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE.
3. PLAN NOT TO BE USED FOR DESIGN.

TETRA TECH NUS, INC.

GROUNDWATER SURFACE CONTOURS
BEDROCK AQUIFER
INTERIM GROUNDWATER SAMPLING EVENT 04
JUNE 14, 2005 – SITE 03
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

FILE	SCALE
\1511\0321\ROCK_4.DWG	AS NOTED

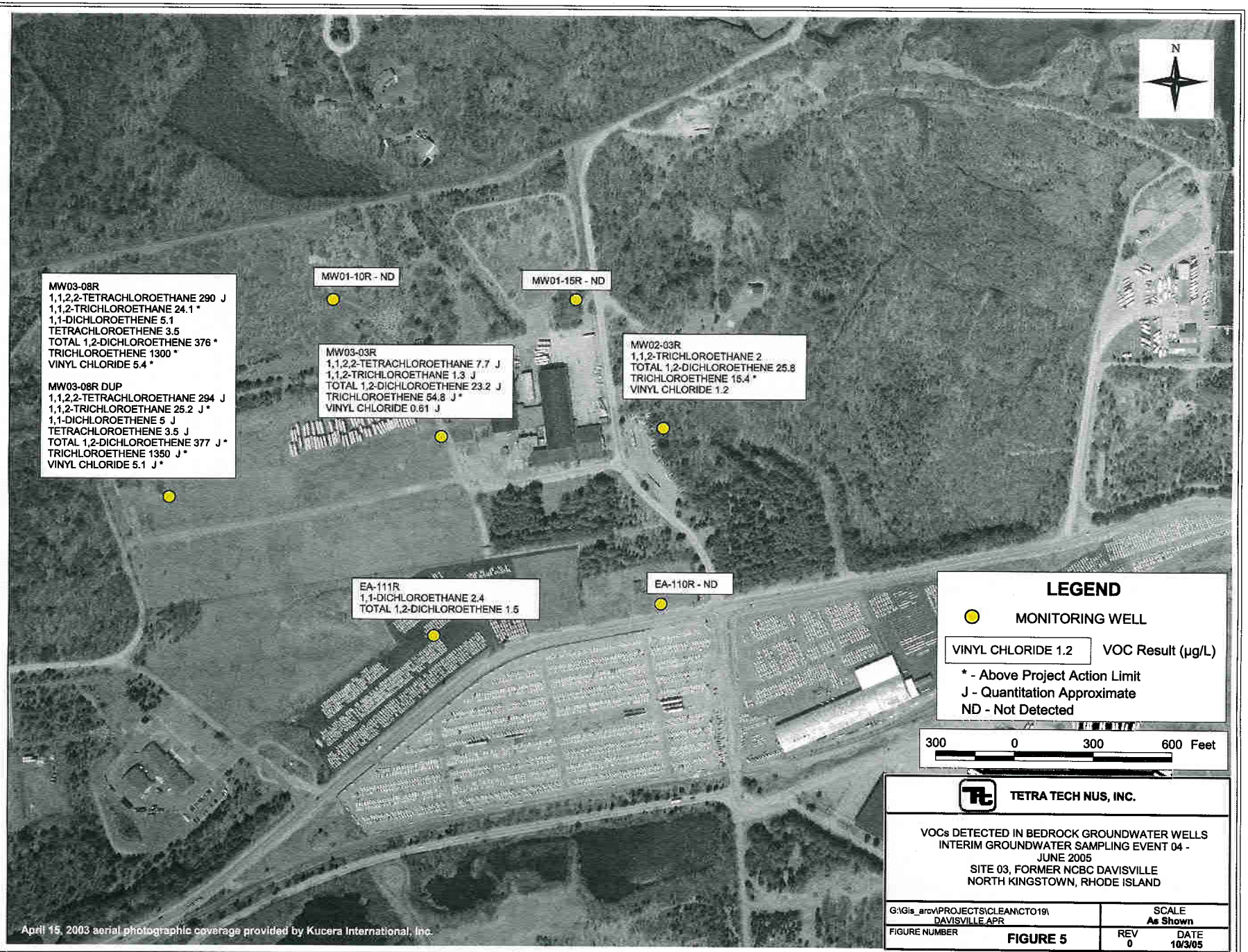
FIGURE NUMBER	REV	DATE
3B	0	10/10/05



TETRA TECH NUS, INC.

VOCs DETECTED IN DEEP OVERBURDEN GROUNDWATER WELLS
INTERIM GROUNDWATER SAMPLING EVENT 04 - JUNE 2005
SITE 03, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

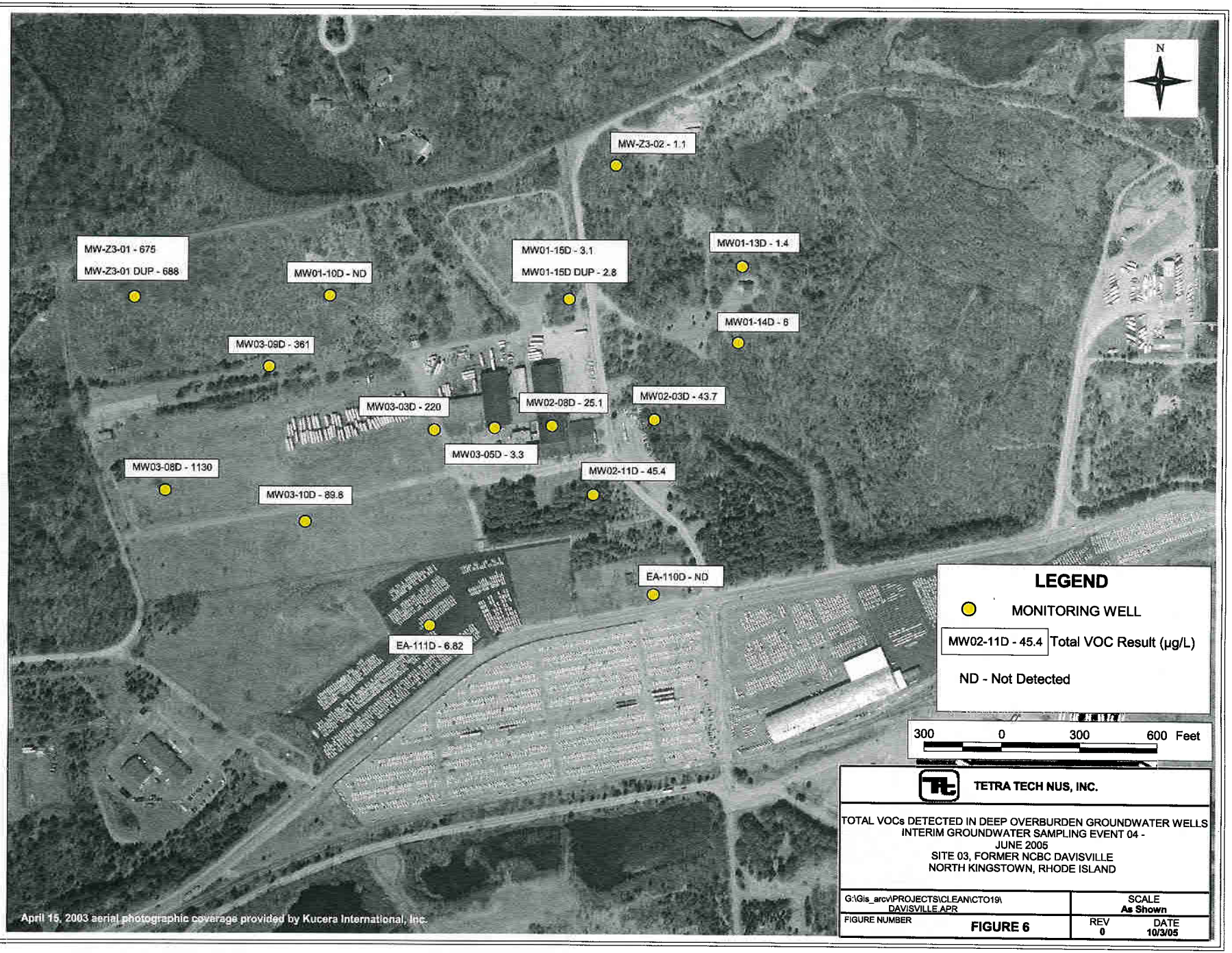
G:\Gis_arcv\PROJECTS\CLEAN\CTO19\DAVISVILLE.APR	SCALE As Shown	
FIGURE NUMBER FIGURE 4	REV 0	DATE 10/3/05



TETRA TECH NUS, INC.

VOCs DETECTED IN BEDROCK GROUNDWATER WELLS
INTERIM GROUNDWATER SAMPLING EVENT 04 - JUNE 2005
SITE 03, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

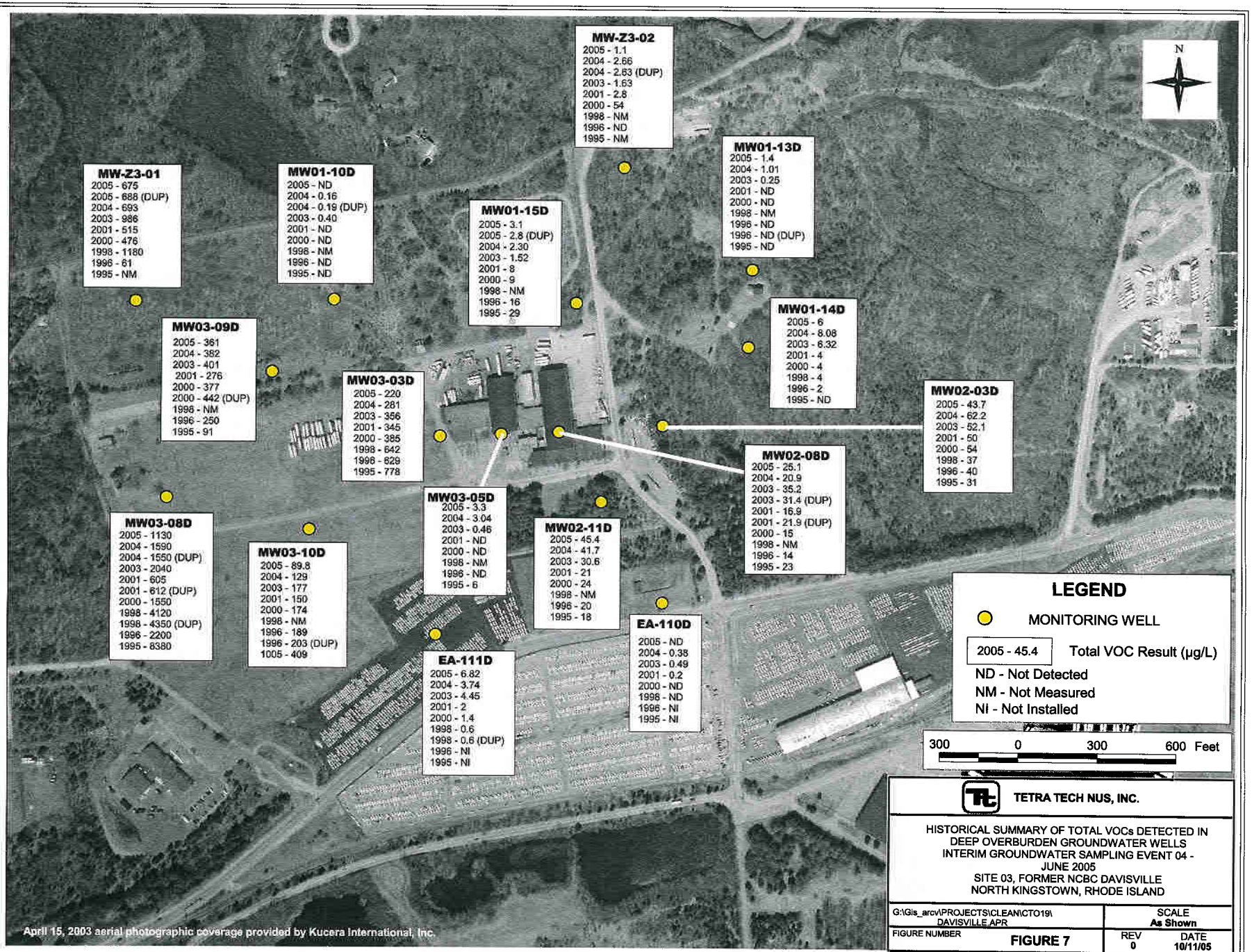
G:\Gis_arcv\PROJECTS\CLEAN\CTO19\DAVISVILLE.APR	SCALE As Shown	
FIGURE NUMBER FIGURE 5	REV 0	DATE 10/3/05



TETRA TECH NUS, INC.

TOTAL VOCs DETECTED IN DEEP OVERBURDEN GROUNDWATER WELLS
INTERIM GROUNDWATER SAMPLING EVENT 04 -
JUNE 2005
SITE 03, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

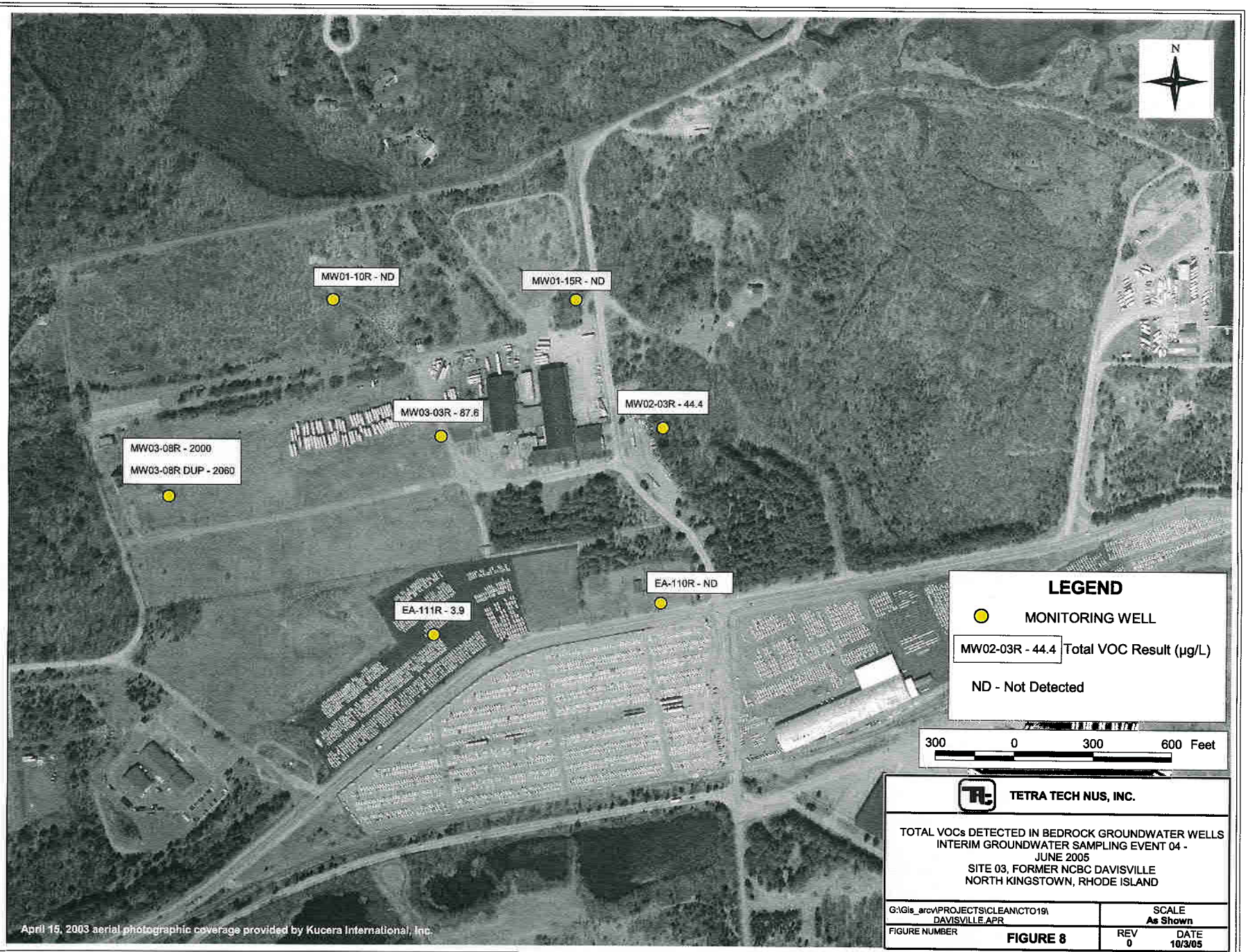
G:\Gis_arcv\PROJECTS\CLEAN\CTO19\DAVISVILLE.APR	SCALE As Shown	
FIGURE NUMBER FIGURE 6	REV 0	DATE 10/3/05



TETRA TECH NUS, INC.

HISTORICAL SUMMARY OF TOTAL VOCs DETECTED IN DEEP OVERBURDEN GROUNDWATER WELLS INTERIM GROUNDWATER SAMPLING EVENT 04 - JUNE 2005
SITE 03, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

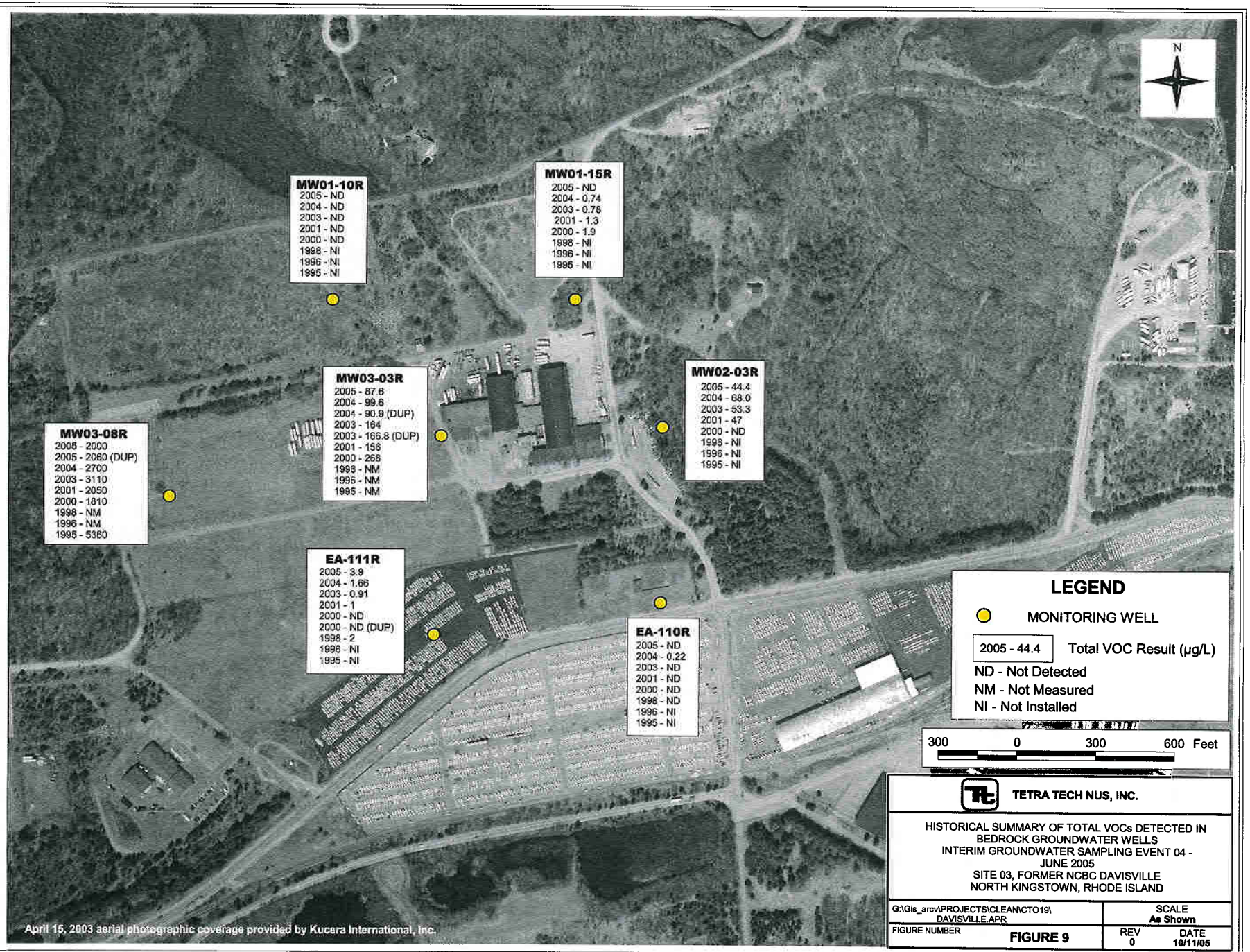
G:\Gis_arcv\PROJECTS\CLEAN\CTO19\DAVISVILLE.APR		SCALE As Shown	
FIGURE NUMBER	FIGURE 7	REV 0	DATE 10/11/05



TETRA TECH NUS, INC.

TOTAL VOCs DETECTED IN BEDROCK GROUNDWATER WELLS
INTERIM GROUNDWATER SAMPLING EVENT 04 -
JUNE 2005
SITE 03, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

G:\Gis_arcv\PROJECTS\CLEAN\CTO19\DAVISVILLE.APR	SCALE As Shown	
FIGURE NUMBER FIGURE 8	REV 0	DATE 10/3/05



TETRA TECH NUS, INC.

HISTORICAL SUMMARY OF TOTAL VOCs DETECTED IN BEDROCK GROUNDWATER WELLS
INTERIM GROUNDWATER SAMPLING EVENT 04 - JUNE 2005
SITE 03, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

G:\Gis_arcv\PROJECTS\CLEAN\CTO19\DAVISVILLE.APR	SCALE As Shown	
FIGURE NUMBER FIGURE 9	REV 0	DATE 10/11/05

REFERENCES

REFERENCES

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APPENDIX A

FIELD SAMPLING FORMS

ENVIRONMENTAL CHEMICAL CORPORATION

Monitoring Well Inspection Form – NCBC Site 03 North Kingstown, RI

Well ID	Locked? (Y or N)	Labeled? (Y or N)	Damaged? (Y or N)	Time	Depth to Water (feet TOR)	Comments
EA-110D	Y	Y	N	0830	22.43	
EA-110R	Y	Y	N	0835	22.03	
EA-111D	Y	Y	N	0840	12.52	
EA-111R	Y	Y	N	0845	12.63	
MW01-10D	Y	Y	N	1015	19.51	Concrete Pad split in half
MW01-10R	Y	N	N	1015	20.75	Concrete Pad split in half – GPS located and labeled
MW01-13D	Y	Y	N	1050	12.83	
MW01-14D	Y	Y	N	1045	21.89	
MW01-15D	Y	Y	N	1030	12.80	
MW01-15R	Y	N	N	1030	12.82	GPS located and labeled
MW02-03D	Y	N	N	0850	22.98	GPS located and labeled
MW02-03R	Y	N	N	0855	22.25	GPS located and labeled
MW02-08D	Y	Y	N	0920	17.66	
MW02-11D	Y	N	N	0915	19.94	GPS located and labeled
MW03-03D	Y	N	N	0945	16.05	GPS located and labeled
MW03-03R	Y	Y	N	0945	16.66	
MW03-05D	Y	N	N	0930	16.00	GPS located and labeled
MW03-08D	Y	N	N	0950	8.94	GPS located and labeled
MW03-08R	Y	Y	N	0950	8.22	
MW03-09D	Y	N	N	1000	19.30	GPS located and labeled
MW03-10D	Y	N	N	0940	13.01	GPS located and labeled
MW-Z3-01	Y	Y	N	1100	18.17	
MW-Z3-02	Y	N	N	1020	49.85	GPS located and labeled

NOTE: If answer is "yes" use the comments column to explain.

Field Team: Fred Santos and Dave Conceu

Equipment: Slope Water level

Date: 6/14/05

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: EA-110D

Date: 6/20/05
Sampler: Fred J
PID Reading: 0

Start Time: 1645 **End Time:**
Well Construction: 2" PVC
Depth to water: 22.53
Well Depth: 88.70
Water Column: 66.17
Total Volume Removed (L) 33.50

Field Testing Equipment

Make	Model	Serial #
YSI	600	01C0114AB
YSI	650	02C0985AN
MPIO	Controller	1144
Lamotte	Turbidimeter	4032-1103

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1650	2.5	500	22.58	14.16	8.05	0.167	3.03	-60	310	Grayish
1655	2.5	500	22.61	14.05	7.73	0.174	0.92	-38	190	Grayish
1700	1.0	200	22.55	14.08	7.76	0.168	0.66	-38	130	Grayish
1730	~~6~~ 7.5	~~200~~ 250	22.53	13.87	7.68	0.176	0.46	-31	85	"
1800	~~6.0~~ 7.5	~~200~~ 250	22.53	13.70	7.49	0.184	0.39	-27	90	"
1830	7.5	250	22.53	13.62	7.41	0.187	0.39	-27	80	"
1835	1.25	250	22.53	13.66	7.40	0.186	0.39	-26	85	"
1840	1.25	250	22.53	13.66	7.41	0.186	0.39	-27	80	"
1845	1.25	250	22.53	13.66	7.41	0.187	0.40	-26	80	"
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1850	EA-110D	40ml VOA	2	HCL	VOC

Comments

Signature

6/20/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: EA-110R

Date: 6/20/05
Sampler: Fred S
PID Reading: 0

Start Time: 1440 **End Time:**
Well Construction: 2" PVC
Depth to water: 22.10
Well Depth: 112.40
Water Column: 90.30
Total Volume Removed (L) 51.75

Field Testing Equipment

Make	Model	Serial #
YSI	600	01C0134AB
YSI	650	02C0985AN
MPIO	Controller	1144
Lamotte	Turbidimeter	4032-1103

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1445	2.25	450	23.53	13.40	8.13	0.229	0.70	-91	16	Clear
1515	13.5	450	23.63	13.27	8.46	0.236	0.30	-54	2	Clear
1545	13.5	450	23.63	13.20	8.61	0.231	0.17	-57	1	Clear
1615	13.5	450	23.63	13.21	8.62	0.230	0.17	-61	1	Clear
1620	2.25	450	23.63	13.22	8.63	0.230	0.17	-61	1	Clear
1625	2.25	450	23.63	13.21	8.63	0.230	0.17	-61	0	Clear
1630	2.25	450	23.63	13.22	8.63	0.230	0.17	-61	0	Clear
1635	2.25	450	23.63	13.23	8.62	0.230	0.18	-61	0	Clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1640	EA-110R	40ml VOA	2	HCL	VOC

Comments

Signature

6/20/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: EA-111D

Date: 6-23-05
Sampler: Suzanne W.
PID Reading: 0.0

Start Time: 9:36 **End Time:** 11:28
Well Construction: 2" PVC
Depth to water: 12.75
Well Depth: 38.13
Water Column: 25.38
Total Volume Removed (L) 22.2

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854 AD
YSI	6820	99F 1380 AA
LaMotte turbidimeter		4079-1103
QED micropurge		01313

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:37	.2	200	12.73	13.02	6.44	0.165	2.59	35.4	270	cloudy
9:47	2	200	12.73	13.72	6.23	0.100	0.49	-11.0	220	cloudy
9:57	2	200	12.73	13.94	6.23	0.135	0.52	-11.2	180	cloudy
10:07	2	200	12.73	14.03	6.23	0.188	0.53	-11.3	130	cloudy
10:17	2	200	12.73	14.65	6.24	0.188	0.55	-11.9	80	cloudy
10:37	4	200	12.73	14.75	6.23	0.188	0.55	-11.9	60	clear
10:47	2	200	12.73	14.71	6.23	0188	0.53	-12.1	45	clear
10:57	2	200	12.73	15.21	6.23	0.189	0.51	-13.4	29	clear
11:07	2	200	12.73	14.98	6.23	0.189	0.50	-13.3	19	clear
11:17	2	200	12.73	15.15	6.23	0.189	0.49	-13.6	19	clear
11:22	1	200	12.73	15.18	6.23	0.189	0.49	-13.7	19	clear
11:27	1	200	12.73	15.20	6.23	0.189	0.49	-13.	19	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:28	EA111D	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitsick
Signature

6-23-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: EA 111R

Date: 6·23·05
Sampler: Suzanne
PID Reading: 0.0

Start Time: 10:12 **End Time:**
Well Construction: 2" PVC
Depth to water: 12.83
Well Depth: 98.00
Water Column: 85.17
Total Volume Removed (L) 10.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00M0550 AC
YSI	600 XLM	00D0688 AD
LaMotte	turbidimeter	4079-1103
QED micropurge		08095

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:13	.1	125	13.03	17.16	7.67	0.279	7.59	107.1	14	clear
10:23	1.25	125	14.45	14.79	6.24	0.275	1.85	72.5	60	clear
10:33	1.25	125	15.12	14.73	5.86	0.233	1.17	15.2	65	clear
10:44	1.25	125	15.22	14.53	5.79	0.221	0.99	18.3	40	clear
10:54	1.25	125	15.20	14.86	5.79	0.220	0.88	19.6	26	clear
11:04	1.25	125	15.21	14.93	5.79	0.212	0.82	20.4	19	clear
11:14	1.25	125	15.20	14.85	5.82	0.210	0.78	19.0	9	clear
11:24	1.25	125	15.21	15.13	5.84	0.209	0.76	18.5	7	clear
11:29	.6	125	15.20	15.19	5.85	0.210	0.76	17.8		clear
11:34	.6	125	15.20	15.16	5.86	0.210	0.76	17.3		clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:35	EA111R	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitesicle
Signature

6·23·05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW01-10D

Date: 6·22·05
Sampler: Suzanne
PID Reading: 0.0

Start Time: 1048 **End Time:** 12:00
Well Construction: 5"
Depth to water: 19.77
Well Depth: 76.00
Water Column: 56.23
Total Volume Removed (L) 17.3

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854AD
YSI	6820	99F1380AA
LaMotte turbidimeter		4038-1103
QED microporge		05280

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:49	.3	300	19.80	17.03	7.44	0.144	9.58	24.2	15	clear
10:59	3	300	19.84	12.43	6.54	0.174	0.97	-29.5	45	clear
11:19	6	300	19.82	12.26	6.55	0.175	0.56	-44.0	11	clear
11:29	2	200	19.82	12.82	6.55	0.173	0.60	-46.7	12	clear
11:39	2	200	19.82	12.69	6.55	0.172	0.62	-46.6	10	clear
11:49	2	200	19.82	12.67	6.55	0.171	0.62	-46.6	10	clear
11:54	1	200	19.82	12.63	6.55	0.171	0.62	-46.5	9	clear
11:59	1	200	19.81	12.62	6.55	0.171	0.61	-46.4	9	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:00	MW01·10D	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitesicle
Signature

6·22·05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW01-10R

Date: 6-22-05
Sampler: Suzanne W.
PID Reading: 0.0

Start Time: 8:58 **End Time:** 10:40
Well Construction: 5" steel
Depth to water: 20.93
Well Depth: 123.68
Water Column: 102.75
Total Volume Removed (L) 23.2

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854 AD
YSI	6820	99F1380 AA
LaMotte turbidimeter		4038-1103
QED micropurge		05280

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:59	.2	200	21.17	16.58	8.77	0.414	4.56	84.8	27	clear
9:09	2	200	21.47	12.70	7.32	0.231	5.14	-92.3	21	clear
9:19	3	300	21.69	12.13	7.30	0.223	3.10	-91.7	25	clear
9:29	3	300	21.69	12.19	7.30	0.222	4.82	-91.9	29	clear
9:59	6	300	21.72	12.39	7.28	0.213	2.29	-88.7	29	clear
10:09	2.25	225	21.61	12.82	7.26	0.206	1.66	-87.8	25	clear
10:19	2.25	225	21.55	13.00	7.26	0.203	2.35	-88.3	25	clear
10:29	2.25	225	21.55	12.66	7.26	0.200	1.76	-87.9	24	clear
10:34	1.12	225	21.54	12.61	7.26	0.199	1.71	-88.0	24	clear
10:39	1.12	225	21.54	12.62	7.26	0.199	1.69	-88.1	24	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:40	MW01-10R	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitsick
Signature

6-22-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03 **Date:** 06/22/05

Location: North Kingstown, RI **Sampler:** GURU

Well ID: MW01-13D **PID Reading:** 0.0

Start Time: 857 **End Time:** 1113

Well Construction: ~~13.3~~ 2" PVC

Depth to water: ~~68.1~~ 13.3'

Well Depth: ~~54.8~~ 68.1'

Water Column: 54.8'

Total Volume Removed (L) 52.3 L

Field Testing Equipment

Make	Model	Serial #
YSI	600 XLM-M	00D0698AD
YSI	650 MDS	00M0550AC
MICROPURGE	MP10	1144
LAMOTTE	2020-TURB	3836-3802
SOLINST	101	35452

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
857		550	13.3	13.56	7.98	0.154	3.98	138.8	90	cloudy
917	11.0	550	14.85	11.35	6.22	0.165	0.41	-51.9	310	cloudy
937	11.0	550	15.05	11.39	6.18	0.164	0.30	-49.2	550	cloudy
957	11.0	550	15.11	11.46	6.10	0.163	0.25	-48.0	700	cloudy
1007	3.0	300	14.44	11.75	6.10	0.162	0.27	-45.7	700	cloudy
1012	1.0	200	14.15	12.20	6.12	0.163	0.30	-43.4	600	cloudy
022 ~~1017~~	2.0	200	14.03	12.10	6.11	0.163	0.34	-41.2	550	cloudy
1027	1.0	200	13.97	12.07	6.14	0.164	0.37	-40.5	450	cloudy
1042	3.0	200	13.95	11.93	6.16	0.164	0.35	-39.7	350	cloudy
1047	1.0	200	13.94	11.95	6.15	0.163	0.36	-39.1	300	cloudy
1052	1.0	200	13.92	12.02	6.14	0.163	0.33	-38.3	280	cloudy
1057	1.0	200	13.91	12.03	6.27	0.164	0.34	-41.0	280	cloudy
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1113	MW01-13D	40ml vial	2	HCl	VOC

Comments

Signature

06/22/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW01-13D

Date: 06/22/05
Sampler: GURU
PID Reading: 0.0

Start Time: 857 **End Time:** 1113
Well Construction:
Depth to water:
Well Depth:
Water Column:
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water GR (ft) 13.88	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1102	1.0	200	~~13.88~~	11.93	6.17	0.163	0.34	-38.6	270	cloudy
1107	1.0	200	13.88	11.89	6.17	0.163	0.32	-39.6	260	cloudy
1112	1.0	200	13.88	12.00	6.19	0.163	0.32	-39.0	260	cloudy
1113	0.30			Sample	collection		starts			
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1113	MW01-13D	40ml vial	2	HCl	VOC

Comments

Signature

06/22/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03 **Date:** 06/22/05

Location: North Kingstown, RI **Sampler:** GURU

Well ID: MW01-14D **PID Reading:** 0.0

Start Time: 11:49 **End Time:** 1321

Well Construction: 2" PVC

Depth to water: 22.7'

Well Depth: 84.1'

Water Column: ~~71~~ 61.4'

Total Volume Removed (L) 44.3

Field Testing Equipment

Make	Model	Serial #
YSI	600 XLMM	00D0698 AD
YSI	650 MDS	00M0550 AC
MICROPURGE	MP10	1144
LAMOTTE	2020 TURB	3836-3802
SOLINST	101	35452

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1149		600	22.7	12.18	6.36	0.153	3.58	31.4	16	clear
1209	12.0	600	26.35	12.15	6.30	0.170	0.39	-36.3	3.7	clear
1229	12.0	600	26.6	12.15	6.35	0.171	0.28	-41.7	3.0	clear
1239	6.0 ~~12.0~~	400	26.4	12.12	6.38	0.172	0.25	-43.0	3.1	clear
1249	4.0	400	26.3	12.16	6.43	0.172	0.23	-46.1	2.0	clear
1259	4.0	400	25.1	12.33	6.49	0.172	0.27	-44.1	1.5	clear
1309	4.0	200	24.31	12.39	6.51	0.172	0.33	-46.0	1.4	clear
1314	1.0	200	24.31	12.40	6.52	0.172	0.34	-46.5	1.3	clear
1319	1.0	200	24.30	12.42	6.52	0.172	0.34	-47.1	1.4	clear
1321	0.3			Sample collection starts						
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1321	MW01-14D	40ml vial	2	HCl	VOC

Comments

Signature

06/22/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03 **Date:** 06/22/05

Location: North Kingstown, RI **Sampler:** GURU

Well ID: MW01-15D **PID Reading:** 0.0

Start Time: 1352 **End Time:** 1449

Well Construction: 2" PVC

Depth to water: 13.42'

Well Depth: 44.6'

Water Column: 31.18

Total Volume Removed (L) 21.75

Field Testing Equipment

Make	Model	Serial #
YSI	600XLMM	00D0698AD
YSI	650MDS	00M0550AC
MICROPURGE	MP-10	1144
LAMOTTE	2020 TURB	3836-3802
SOLINST	101	35452

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1352		500	13.42	14.76	4.69	0.121	3.06	144.0	36	ok
1402	5.0	500	14.30	12.45	5.60	0.102	0.57	125.8	10	OK
1412	5.0	500	14.14	12.61	5.26	0.112	0.33	221.8	5.9	clear
1422	5.0	500	14.08	12.74	4.90	0.113	0.29	368.5	5.2	clear
1432	2.5	250	13.75	13.33	4.97	0.116	0.35	440.3	6.1	clear
1437	1.25	250	13.75	13.14	4.99	0.116	0.35	457.2	6.7	clear
1442	1.25	250	13.74	13.36	4.99	0.116	0.38	467.0	7.2	clear
1447	1.25	250	13.74	13.50	4.97	0.115	0.39	475.5	7.3	clear
1449	0.5			Sample collection starts						
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1449	MW01-15D	40ml vial	2	HCl	VOC
00:00	MW03-DUP3	- same containers as above - collected at the			
	same time				

Comments

Signature

06/22/05

Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW01-15R

Date: 06/22/05
Sampler: GURU
PID Reading: 0.0

Start Time: 1513 **End Time:** 1640
Well Construction:
Depth to water: 13.82'
Well Depth: 82.6'
Water Column: 68.78
Total Volume Removed (L) 47.4L

Field Testing Equipment

Make	Model	Serial #
YSI	600XLMM	00D0698AD
YSI	650 MDS	00M0550AC
LAMOTTE	2020-TURB	3836-3802
MICROPURGE	MP10	1144
SOLINST	101	35452

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1513		750	13.82	15.12	5.34	0.130	2.57	388.2	110	OK
1523	7.5	750	14.06	12.11	5.10	0.180	0.36	-99.7	150	solid
1533	22.5	750	14.15	12.03	5.48	0.169	0.16	-97.2	50	OK
1613	12.0	600	14.11	12.05	5.42	0.158	0.17	-61.5	34	OK
1623	2.0	200	13.86	12.46	5.47	0.155	0.20	-43.7	31	OK
1628	1.0	200	13.85	12.47	5.55	0.162	0.20	-52.4	34	OK
1633	1.0	200	13.85	12.42	5.58	0.161	0.20	-55.4	34	OK
1638	1.0	200	13.85	12.48	5.62	0.162	0.19	-59.6	33	OK
1640	0.4			Sample collection start						
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1640	MW01-15R	40ml vial	2	HCl	VOC

Comments

Signature

06/22/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW02-03D

Date: 06/21/05
Sampler: GURU
PID Reading: 0.0

Start Time: 1218 **End Time:** 1305
Well Construction: 2" PVC
Depth to water: 24.25'
Well Depth: 37.5'
Water Column: 13.25'
Total Volume Removed (L) 11.75

Field Testing Equipment

Make	Model	Serial #
YSI	600 XLM-M	01C0134 AB
YSI	650 MDS	02C0985 AN
MICROPURGE	MP-10	5280
LAMOTTE	2020-TURB.	4079-1103
SOLINST	101	5069

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1218		250	24.25	18.50	6.3	0.154	9.82	33.8	90	Slightly brownish
1228	2.5	250	24.38	14.33	6.26	0.176	1.96	24.6	100	brownish
1238	2.5	250	24.36	14.40	6.53	0.183	3.11	22.7	60	brownish
1248	2.5	250	24.36	14.43	6.49	0.183	3.09	25.7	40	OK
1253	1.25	250	24.36	14.51	6.43	0.183	2.95	27.0	37	OK
1258	1.25	250	24.36	14.48	6.40	0.184	2.78	28.3	34	OK
1303	1.25	250	24.36	14.61	6.38	0.183	2.79	29.2	32	OK
1305	0.5				Sample collection starts					
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1305	MW02-03D	40 ml vial	2	HCl	VOC

Comments

Signature

06/21/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW02-03R

Date: 06/21/05
Sampler: GURU
PID Reading: 0.0

Start Time: 1342 **End Time:**
Well Construction:
Depth to water: 22.05'
Well Depth: 74.0'
Water Column: 51.95'
Total Volume Removed (L) 53.95

Field Testing Equipment

Make	Model	Serial #
YSI	600XLM-M	01C0134 AP
YSI	650MDS	02C0985 AN
LAMOTTE	2020-TURB	4079-1103
MICROPURGE	MP10	5280
SOLINST	101	5069

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1342		600	22.05	14.48	6.60	0.218	1.51	-74.8	150	brownish
1402	12.0	600	22.67	13.82	7.07	0.221	0.30	-114.0	45	ok
1422	12.0	600	22.35	13.76	6.66	0.198	0.26	-34	40	Clear/Brownish
1442	12.0	600	22.65	13.82	6.25	0.194	0.28	-2.9	27	ok
1457	9.0	450	22.65	13.95	6.22	0.194	0.31	0.0	26	ok
1502	2.25	200	22.64	15.00	6.29	0.196	0.37	-11.4	31	ok
1507	1.0	200	22.64	15.17	6.31	0.196	0.38	-12.8	38	ok
1512	1.0	200	22.63	15.05	6.34	0.197	0.38	-17.4	45	ok
1517	1.0	200	22.63	15.09	6.30	0.199	0.41	-21.4	50	ok
1522	1.0	200	22.63	14.93	6.31	0.200	0.39	-28.8	50	ok
1527	1.0	200	22.63	14.99	6.30	0.200	0.38	-29.3	50	ok
1532	1.0	200	22.63	14.90	6.28	0.201	0.37	-29.6	50	ok
1534										
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot → Sample collection

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1534	MW02-03R	40ml vial	2	HCl	VOC

Comments

Signature

06/21/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW-02-8D

Date: 6-21-05
Sampler: Suzanne W
PID Reading: 0.0

Start Time: 10:47 **End Time:** 12:29
Well Construction: 2" PVC
Depth to water: 17.82
Well Depth: 38.88
Water Column: 21.06
Total Volume Removed (L) 15.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854AD
YSI	6820	99F1380AA
LaMotte turbidimeter		4038-1103
QED micropurge		08095

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:48	.1	150	17.86	16.05	5.68	0.106	2.97	255.7	45	hazy
10:58	1.5	150	17.98	15.57	5.64	0.107	1.94	256.8	39	clear
11:08	1.5	150	17.98	16.02	5.64	0.107	1.13	226.2	37	clear
11:18	1.5	150	17.98	16.23	5.64	0.107	1.05	215.3	35	clear
11:28	1.5	150	17.98	16.50	5.64	0.107	0.90	210.1	34	clear
11:38	1.5	150	17.98	16.69	5.64	0.106	1.01	206.5	24	clear
11:48	1.5	150	17.98	16.75	5.65	0.106	1.21	205.6	16	clear
11:58	1.5	150	17.98	16.68	5.64	0.106	1.20	206.9	17	clear
12:08	1.5	150	17.98	16.69	5.64	0.105	1.22	207.1	17	clear
12:18	1.5	150	17.98	16.64	5.65	0.105	1.21	206.8	16	clear
12:23	.75	150	17.98	16.62	5.64	0.105	1.20	206.9	16	clear
12:28	.75	150	17.98	16.63	5.64	0.104	1.20	207.1	16	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:29	MW02-08D	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitesides
Signature

6-21-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW02-11D

Date: 06/21/05
Sampler: GURU
PID Reading: 0.0

Start Time: 1606 **End Time:**
Well Construction: 2" PVC
Depth to water: 20.43
Well Depth: 58.95
Water Column: 38.52
Total Volume Removed (L) 28.4

Field Testing Equipment

Make	Model	Serial #
YSI	600XLMM	01C0134 AB
YSI	650MDS	02C0985 AN
LAMOTTE	2020-TURB	4079-1103
MICROPURGE	MP10	5280
SOLINST	101	5069

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1606		600	20.43	13.94	5.31	0.148	8.40	76.7	31	OK
1616	6.0	600	20.50	12.77	4.87	0.183	0.88	61.5	50	OK
1626	6.0	600	20.51	12.76	4.11	0.184	0.54	100.1	14	clear
1636	6.0	600	20.51	12.85	3.43	0.184	0.43	138.6	8.6	clear
1646	4.0	400	20.47	13.47	3.45	0.185	0.55	131.2	6.6	clear
1651	1.0	200	20.46	14.09	3.65	0.185	0.56	123.7	5.0	clear
1656	1.0	200	20.45	13.82	3.63	0.185	0.59	121.3	11	clear
701 ~~1501~~	1.0	200	20.45	14.26	3.78	0.185	0.59	114.6	12	clear
1706	1.0	200	20.45	14.18	3.70	0.185	0.61	122.6	8.5	clear
1711	1.0	200	20.45	14.27	3.68	0.185	0.60	123.5	7.8	clear
716 ~~1716~~	1.0	200	20.45	14.23	3.65	0.185	0.61	120.8	7.2	clear
1718	0.4			Sample collection starts						
Acceptance Criteria:			< 0.3 ft	3%	±0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1718	MW02-11D	40 ml vial	2	HCl	NOC

Comments

Signature

06/21/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW03-03D

Date: 6-21-05
Sampler: Suzanne W.
PID Reading: 0.0

Start Time: 13:13 **End Time:**
Well Construction:
Depth to water: 16.11
Well Depth: 24.22
Water Column: 8.11
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854 AD
YSI	6820	99F1380 AA
LaMotte turbidimeter		4038-1103
QED micropurge		08095

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
13:14	2	200	16.20	15.21	6.40	0.137	5.81	183.1	150	cloudy yellow
13:24	2	200	16.25	14.74	6.37	0.136	5.67	182.2	310	cloudy yellow
13:44	2	200	16.25	14.53	6.20	0.168	0.75	-3.2	150	cloudy
13:54	2	200	16.23	14.25	6.21	0.168	0.67	-3.9	90	cloudy
14:04	2	200	16.20	14.05	6.22	0.168	0.64	-3.8	75	cloudy
14:14	2	200	16.20	13.95	6.22	0.168	0.62	-3.7	65	cloudy
14:24	2	200	16.20	13.70	6.23	0.168	0.66	-3.9	55	clear
14:29	1	200	16.20	13.78	6.23	0.167	0.64	-4.1	55	clear
14:34	1	200	16.20	13.76	6.23	0.167	0.62	-4.1	55	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
14:35	MW03-03D	40 ml	2	HCl	VOC

Comments

Suzanne Whiteside
Signature

6-21-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW 03-03R

Date: 6-21-05
Sampler: Suzanne W
PID Reading: 0.0

Start Time: 14:51 **End Time:** 16:03
Well Construction: 2" PVC
Depth to water: 15.82
Well Depth: 73.75
Water Column: 57.93
Total Volume Removed (L) 14.2

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854 AD
YSI	6820	99F1380 AA
LaMotte turbidimeter		4038-1103
QED micropurge		08095

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
14:52	2	200	15.82	16.38	6.67	0.127	3.69	-24.5	28	clear
15:02	2	200	15.83	13.75	6.35	0.149	1.32	-33.5	26	clear
15:22	4	200	15.83	13.70	6.31	0.155	0.17	-37.8	22	clear
15:32	2	200	15.84	13.97	6.34	0.155	0.14	-56.1	18	clear
15:42	2	200	15.83	13.90	6.25	0.149	0.12	-44.7	14	clear
15:52	2	200	15.82	13.97	6.29	0.152	0.11	-53.8	14	clear
15:57	1	200	15.82	13.95	6.29	0.152	0.11	-53.6	14	clear
16:02	1	200	15.82	13.96	6.29	0.152	0.11	-53.3	14	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
16:03	MW03-03R	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitside
Signature

6-21-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW03-05D

Date: 6-21-05
Sampler: Suzanne W
PID Reading: 0.0

Start Time: 9:06 **End Time:** 10:37
Well Construction: 2" PVC
Depth to water: 16.15
Well Depth: 38.35
Water Column: 22.2
Total Volume Removed (L) 13.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854 AD
YSI	6820	99F1380 AA
LaMotte turbidimeter		4038-1103
QED micropurge		08095

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:07	.1	150	16.58	14.93	7.36	0.121	6.13	95.9	45	clear
9:17	1.5	150	17.05	14.20	5.77	0.098	4.93	208.8	130	clear
9:27	1.5	150	16.59	14.92	5.72	0.097	4.63	229.5	90	clear
9:37	1.5	150	16.44	15.21	5.68	0.096	4.37	245.8	36	clear
9:57	3	150	16.44	15.26	5.68	0.096	4.35	246.3	27	clear
10:07	1.5	150	16.44	15.29	5.67	0.095	4.30	249.4	27	clear
10:17	1.5	150	16.44	15.01	5.67	0.094	4.17	257.4	29	clear
10:27	1.5	150	16.44	14.95	5.67	0.093	4.18	257.8	27	clear
10:33	.75	150	16.44	15.00	5.67	0.093	4.16	258.5	28	clear
10:37	.75	150	16.44	14.99	5.67	0.093	4.15	258.6	27	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:38	MW03-05D	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitside
Signature

6-21-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW03-08D

Date: 6-22-05
Sampler: Suzanne W.
PID Reading: 0.0

Start Time: 13:54 **End Time:** 14:56
Well Construction: 2" PVC
Depth to water: 9.22
Well Depth: 33.34
Water Column: 24.12
Total Volume Removed (L) 10.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854 AD
YSI	6820	99F1380 AA
LaMotte turbidimeter		4058-11D3
QED micropurge		05280

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
13:55	.1	175	9.23	13.55	5.78	0.099	4.12	167.9	17	clear
14:05	1.75	175	9.23	12.62	5.64	0.093	2.91	206.9	5	clear
14:15	1.75	175	9.23	12.68	5.62	0.092	1.32	223.4	4	clear
14:25	1.75	175	9.23	12.58	5.62	0.092	1.08	228.2	5	clear
14:35	1.75	175	9.23	12.67	5.62	0.092	1.04	229.3	4	clear
14:45	1.75	175	9.23	12.56	5.62	0.092	0.98	231.6	4	clear
14:50	.8	175	9.23	12.63	5.62	0.092	0.97	231.2	4	clear
14:55	.8	175	9.23	12.65	5.62	0.092	0.95	231.0	3	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
14:56	MW03-08D	40 ml vial	2	HCl	VOC

Comments

Suzanne Whiteside
Signature

6-22-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW03-08R

Date: 6-22-05
Sampler: Suzanne W
PID Reading: 0.0

Start Time: 12:15 **End Time:** 13:17
Well Construction: 5"
Depth to water: 8.51
Well Depth: 48.96
Water Column: 40.45
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854AD
YSI	6820	99F1380AA
LaMotte turbidimeter		4038-1103
QED micropurge		05280

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:16	.3	300	8.97	11.71	6.89	0.257	5.3	0.1	6	clear
12:26	3	300	9.85	11.69	6.90	0.230	0.73	8.4	1	clear
12:36	3	300	9.82	11.60	6.53	0.199	0.48	28.4	1	clear
12:46	3	300	9.85	11.55	6.50	0.195	0.46	29.3	1	clear
12:56	3	300	9.87	11.53	6.49	0.193	0.45	29.8	1	clear
13:06	2	200	9.87	11.51	6.48	0.190	0.45	29.7	1	clear
13:11	1	200	9.87	11.50	6.48	0.190	0.44	29.8	1	clear
13:16	1	200	9.87	11.51	6.47	0.190	0.44	29.9	1	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
13:17	MW03-08R	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitesides
Signature

6-22-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW03-09D

Date: 6-22-05
Sampler: Suzanne
PID Reading: 0.0

Start Time: 15:23 **End Time:** 16:55
Well Construction: 2"
Depth to water: 19.57
Well Depth: 56.42
Water Column: 36.85
Total Volume Removed (L) 15.8

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854AD
YSI	6820	99F1380AA
LaMotte turbidimeter		4038-1103
QED micropurge		05280

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
15:24	.1	175	19.60	14.08	6.74	0.132	9.53	134.8	17	clear
15:34	1.75	175	19.68	14.78	6.21	0.151	4.86	20.0	110	cloudy
15:54	3.5	175	19.71	12.60	6.32	0.172	1.03	-26.1	65	hazy
16:04	1.75	175	19.72	12.44	6.35	0.172	0.76	-35.0	34	clear
16:14	1.75	175	19.71	12.40	6.36	0.172	0.66	-39.5	24	clear
16:24	1.75	175	19.70	12.37	6.37	0.172	0.60	-42.4	20	clear
16:34	1.75	175	19.68	12.36	6.38	0.172	0.56	-46.0	10	clear
16:44	1.75	175	19.68	12.36	6.38	0.172	0.56	-48.4	9	clear
16:49	.8	175	19.68	12.35	6.38	0.171	0.55	-48.8	9	clear
16:54	.8	175	19.68	12.35	6.39	0.171	0.54	-49.6	8	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
16:55	MW03-09D	40 ml vial	2	HCl	VOC

Comments

Suzanne Whitesicle
Signature

6-22-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW03-10D

Date: 6-21-05
Sampler: Suzanne W
PID Reading: 0.0

Start Time: 16:18 **End Time:**
Well Construction: 2" PVC
Depth to water: 13.20
Well Depth: 43.95
Water Column: 30.75
Total Volume Removed (L) 17.7

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01A0854 AD
YSI	6820	99F1380 AA
LaMotte turbidimeter		4038-1103
QED microporge		08095

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
16:19	.2	250	13.23	13.77	5.60	0.090	1.70	141.8	23	clear
16:29	2.5	250	13.25	15.75	5.59	0.091	1.39	156.1	21	clear
16:39	2.5	250	13.23	18.12	5.61	0.093	1.34	186.6	11	clear
16:49	2.5	250	13.22	18.11	5.58	0.092	1.33	188.5	10	clear
16:59	2.5	250	13.22	17.48	5.60	0.092	1.21	199.9	9	clear
17:09	2.5	250	13.22	16.19	5.60	0.092	1.11	208.6	6	clear
17:19	2.5	250	13.22	16.17	5.60	0.092	1.10	209.2	4	clear
17:24	1.25	250	13.22	16.14	5.59	0.092	1.10	209.0	4	clear
17:29	1.25	250	13.22	16.11	5.59	0.092	1.10	208.7	3	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
17:30	MW03-10D	40 ml vial	2	HCl	VOC

Comments

Suzanne Whiteside
Signature

6-21-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW Z3-01

Date: 6/20/05
Sampler: Fred Santos
PID Reading: 0

Start Time: 1200 **End Time:**
Well Construction: 2" PVC
Depth to water: 18.45
Well Depth: 85.65
Water Column: 67.20
Total Volume Removed (L) 49.25

Field Testing Equipment

Make	Model	Serial #
YSI	600	01C0134AB
YSI	650	02C0985AN
MP10	Controller	1144
Lamotte	Turbidimeter	4038-1103

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1205	1.75	350	18.46	11.63	7.56	0.181	6.57	63	36	Clear
1235	10.5	350	18.46	11.46	7.57	0.203	0.87	17	85	Orange Particles
1305	10.5	350	18.46	11.62	7.36	0.204	0.55	17	21	Clear
1335	10.5	350	18.46	11.67	7.28	0.204	0.53	18	23	Clear
1340	~~1.75~~ 1.75	350	18.46	11.71	7.18	0.204	0.52	17	14	Clear
1345	1.75	350	18.46	11.70	7.18	0.204	0.52	17	8	Clear
1350	1.75	350	18.46	11.71	7.18	0.204	0.50	17	6	Clear
1355	1.75	350	18.46	11.72	7.18	0.204	0.50	17	6	Clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1400	MW Z3-01	2 40ml voa	2	HCL	VOC
0000	MW03-Dupl	"	"	"	"
1400	MW Z3-01 MS/MSD	"	4	"	"

Comments

Signature

6/20/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 03
Location: North Kingstown, RI
Well ID: MW-Z3-02

Date: 06/21/05
Sampler: Guru
PID Reading: 0.0

Start Time: 10:30 **End Time:** 1117
Well Construction: 2" PVC
Depth to water: 50.3'
Well Depth: 51.25'
Water Column: 0.95
Total Volume Removed (L) 4.26

Field Testing Equipment

Make	Model	Serial #
YSI	600 XLM-M	01C0134AB
YSI	650 MDS	02C0985AN
LAMOTTE	2020-TURB	4079-1103
MICROPURGE	MP10	5280
SOLINST	101	5069

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1030		100	50.3	15.12	6.47	0.132	8.19	41.6	70	clear
1040	1.0	100	50.35	13.48	6.14	0.147	3.78	15.9	65	ok
1045	0.5	80	50.35	13.65	6.24	0.151	2.74	13.9	50	ok
1050	0.4	80	50.35	13.76	6.37	0.155	2.30	14.1	55	ok
1055	0.4	100	50.36	13.54	6.44	0.155	1.82	15.0	65	ok
1100	0.5	100	50.35	13.36	6.46	0.152	1.67	16.9	70	ok
1105	0.5	80	50.34	13.49	6.45	0.148	1.72	18.4	75	ok
1110	0.4 GR	80	50.34	13.62	6.43	0.144	1.80	19.5	75	ok
1115	0.4	80 ~~80~~	50.35	13.62	6.42	0.141	1.88	20.8	75	ok
1117	0.16			Sample collection starts						
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1117	MW-Z3-02	40ml vial	2	HCl	VOC

Comments

Signature

06/21/05
Date

APPENDIX B

DATA VALIDATION REPORT

DATA VALIDATION MEMORANDUM
DAVISVILLE SITE 03
JUNE 2005 SAMPLING ROUND (SDG M48420)

TO: EFANE

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA

SUBJECT: DAVISVILLE SITE 03, MONITORING EVENT 06 - JUNE 2005.

DATE: 25 AUGUST 2005

Project data were validated using the following Validation Functional Guidelines, as modified for non-CLP methods and project-specific QAPP measurement performance criteria (MPC):

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996),

2. National Functional Guidelines for Evaluation Inorganic Analysis (1988), and

3. National Functional Guidelines for Evaluation Organic Analysis (October 1999).

The data were assessed against the MPC listed in the approved QAPP, "Quality Assurance Project Plant For Long-Term Monitoring of Site 09 (Allen Harbor Landfill) Naval Construction Battalion Center North Kingston, RI (Nov 2001).

The QAPP MPC and validation guideline exceedences are assessed and documented on the method/QAPP specific data validation worksheets. On these data validation worksheets the data quality acceptance criteria are presented, analytes requiring qualification based on MPC and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated by a method is presented in the data validation worksheet.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. The final and ranking assigned data qualifier for an analyte is presented in the data summary table. Ancillary qualifiers are noted on the data validation worksheets.

The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

ACRONYMS AND ABBREVIATIONS

Following is a list of acronyms and abbreviations that may be used in the data validation reports.

Acronym or Abbreviation	Definition
%D	Percent difference
%R	Percent recovery
Ug/L	Microgram per liter
BEHP	2-bis(ethylhexyl)phthalate
BFB	Bromofluorobenzene
CCB	Continuing calibration Blank
CCC	Continuing Check Compound
CCV	Continuing Calibration Verfication
COC	Chain of custody
CRI	standard at RL for ICP
CVAA	Cold vapor atomic absorption
DFTPP	Decafluorotriphenylphosphine
DQO	Data quality objective
EB	Equipment blank
EPA	Environmental Protection Agency
FD	Field duplicate
GC	Gas Chromatography
GC/MS	Gas chromatography/mass spectrometry
HT	Holding time
ICAL	Initial calibration
ICS-A/AB	Interelement check standard A or AB
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standards
LCL	Lower control limit
LCS	Laboratory control sample
MeCl	Methylene chloride
MS	Matrix spike
MSD	Matrix spike duplicate
MPC	Measurement performance criteria
NA	Not applicable
NC	Not calculated.

Acronym or Abbreviation	Definition
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyls
PQL	Practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	Quality control
RF	Response Factor
RPD	Relative percent difference
RRF	Relative response factor
RSD	Relative standard deviation
RT	Retention time
SDG	Sample Delivery Group
SOP	Standard Operation Procedure
SVOC	Semi-volatile organic compound
SPCC	System performance check compound
SQL	Sample Quantitation Limit
TB	Tripblank
TCX	Tetrachloro-m-xylene
TIC	Tentatively identified compound
UCL	Upper control limit
VOC	Volatile organic compound

DATA QUALIFIER REFERENCE TABLE

Data validation reports will summarize the samples reviewed, elements reviewed, any nonconformances with the established criteria, validation actions (including data qualifiers). Data qualifiers will be consistent with EPA Region I – New England guidelines and will consist of the following:

USEPA Region I – Data Qualifier	USEPA Region I – Qualifier Definition
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
UJ	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate
U	The sample was analyzed for, but was not detected above the sample reporting limit.
R	The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified

Region I, EPA-NE ORGANIC REGIONAL DATA ASSESSMENT

LAB NAME: Accutest
SDG #:__M48420
EPA-NE DV TIER LEVEL:___II___
SITE NAME: Site 03

# of SAMPLES/MATRIX: 23 groundwater, 3 FD, 2 TBs –all aqueous.
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Guru Ranganathan
DV Completion Date:_26 Aug 2005
Date Sampled__June 20 – 23, 2005.

ANALYTICAL DATA QUALITY SUMMARY

	Parameter	VOC
1	Preservation and HT	O
2	Instrument Performance Check	O
3	Initial Calibration:	M
4	Continuing Calibration:	M
5	Blanks:	O
6	Surrogate Compounds:	M
7	Internal Standards	M
8	Matrix Spike/Matrix Spike Duplicate:	M
9	Sensitivity Check:	O
10	PE Samples- Accuracy Check	M
11	Target Compound Identification:	-
12	Compound Quantitation and Reported QLs	O
13	Tentatively Identified Compounds:	-
14	Semivolatile/Pesticide/PCB Cleanup:	-
15	Data Completeness	O
16	Overall Evaluation of Data:	O

O = Data had no problems or were qualified due to minor contractual problems; M = Data were qualified due to major/systemic MPC exceedences: Z = Data were rejected as unusable due to major contractual problems.

ACTION ITEMS: (Z items): None.

AREAS OF CONCERN: (M items):

VOC:. Detections in undiluted runs for samples 2, 3, diluted TCE result for sample 24 and detections in sample 25 were qualified J and all results in samples 12, 14 thru 21, initial undiluted analyses of samples 22 & 24 and sample 25 results were qualified J for detects and UJ for non-detects due to surrogate recoveries outside MPC limits. Chlorobenzene results qualified UJ in samples 2 & 3 due to low LCS recoveries. Due to MS/MSD recoveries outside MPC limits, vinyl chloride results were qualified J, styrene results were qualified UJ in samples 2 & 3 and bromomethane results in samples 23 & 24 were qualified UJ. Bromomethane also had high MS/MSD RPD in the MS/MSD performed on sample 23. Results in undiluted initial analyses of samples 2 & 3, all results in samples 5 thru 10 and the diluted re-analysis of TCE in sample 24 were qualified with J for detections and UJ for non-detects due to low IS recoveries. Chloromethane and carbondisulfide results in samples 1 thru 10, 26, 27 & 28, bromoform and 1,1,2,2-tetrachloroethane results in samples 11 thru 25 were qualified J for detections and UJ for non-detects due to high ICV %D's. Acetone and 1,1,2,2-tetrachloroethane results in the initial analyses of samples 2 & 3, TCE results in samples 1 thru 10, acetone and 1,2-dichloroethane results in samples 1, 4, 6, 7, 8, 9 & 10, acetone results in samples 26, 27 & 28

and benzene, 4-methyl-2-pentanone, 2-hexanone, xylenes and chlorobenzene results in samples 11 thru 25 were qualified with J for detects and UJ for non-detects due to high CCV %D's.

COMMENTS: None.

ECC Region I Data Review Worksheet (rv 1)
Project: Davisville Site 03 ECC Job No. 5700

VOCs 5030B/8260B
Review Criteria: Lab Method Control Limits for QC Checks listed in the Site 03 QAPP, reviewed per USEPA Region I Tier II Guidance

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	**Aqueous**	**HCl**	**2 coolers (^oC) 2.0 & 2.3**	**Accutest Laboratory Marlborough, MA**	**M48420**

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	Lab Sample Number
EA-110D	M48420-1
MW-Z3-01	M48420-2
MW03-DUP1	M48420-3 (field duplicate for sample 2)
EA-110R	M48420-4
MW03-05D	M48420-5
MW02-08D	M48420-6
MW-Z3-02	M48420-7
MW02-03D	M48420-8
MW03-03D	M48420-9
MW03-TB01	M48420-10
MW02-03R	M48420-11
MW03-03R	M48420-12
MW03-10D	M48420-13
MW03-DUP3	M48420-14 (field duplicate for sample 15)
MW01-15D	M48420-15
MW02-11D	M48420-16
MW01-15R	M48420-17
MW01-14D	M48420-18
MW01-13D	M48420-19
MW01-10D	M48420-20
MW01-10R	M48420-21
MW03-08D	M48420-22
MW03-08R	M48420-23
MW03-DUP2	M48420-24 (field duplicate for sample 23)
MW03-09D	M48420-25
EA-111D	M48420-26
EA-111R	M48420-27
MW03-TB02	M48420-28

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures <6°C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X	-	

ECC Region I Data Review Worksheet (rv 1)
Project: Davisville Site 03 ECC Job No. 5700

VOCs 5030B/8260B
Review Criteria: Lab Method Control Limits for QC Checks listed in the Site 03 QAPP, reviewed per USEPA Region I Tier II Guidance

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Holding Time	1) 14 Days to analysis, if preserved 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	Sample Dates: June 21, 22, 23 & 24, 2005. Analysis Dates: All samples analyzed by July 6, 2005. June 20 samples analyzed by July 2nd, June 21 samples analyzed by July 4th, June 22 samples analyzed by July 6th and June 23 samples analyzed by July 5th. All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable for this matrix, all samples are aqueous.	X	-	-
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (1 ug/L) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & ketones < 5 ug/L 5) >RL report sample level U 6) <RL report PQL as U	Tripblank samples 10 & 28: All tripblanks have non-detect results. No samples qualified. No apparent cross contamination in the field.	X	-	
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	Equipment blank collected/analyzed with this SDG as all the equipment used were dedicated.	X	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	Attached data summary table. Analytes with results >MDL but <MRL were qualified J. Please see attached Data Summary Table for all such results.	X	J for all samples with estimated results <MRL but >MDL.	
*TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported/not evaluated	-	-	
Surrogates	1,2-Dichloroethane-d4 62-139% Dibromofluoromethane 75-125% Toluene-d8 75%-125% 4-BFB 75%-125% *check raw data for surrogated (recalculate 10% of them). *Transcription errors Qualification: >UCL J –detects, %R<10% J –detects, R –Nods, %R >10% but <70% J-detects, UJ NDs	The following surrogate recoveries were outside MPC limits: Initial undiluted analyses of samples 2, 3, diluted analysis of sample 24 and sample 25 have high recoveries for dibromofluoromethane. The detections in the applicable samples were qualified J. Samples 12, 14, 15, 16, 17, 18, 19, 20, 21, initial analyses of samples 22 & 24 and sample 25 had marginally low recoveries	X	Detections in undiluted runs for samples 2, 3, diluted TCE result for sample 24 and detections in sample	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	Discrepancy in QC criteria between lab and QAPP (Tables 7-1 & 13-1).	for 4-bromofluorobenzene. The results in these samples were qualified J for detections and UJ for non-detects.		25 were qualified J. All results in samples 12, 14 thru 21, initial undiluted analyses of samples 22 & 24 and sample 25 results were qualified J for detects and UJ for non-detects.	
Lab Blanks (method	1) < 5x (<10x common) contaminants for aq samples- 3) TGT analytes <Lab QL 4) MeCl & Acetone, 2-butanone, 4M-2Pentaone, and 2-hexanone < 5 (25 ml purge) 5) if linear range is exceeded, verify if a instrument blank was performed 6) *verify accurate transcription of times, Ids, are reported on forms 7) *verify from the raw data if the instrument blank was performed in the same vessel 8) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors	The method blank sample applicable to samples 11 thru 25 had acetone detected at 4.5 ppb but all sample results for acetone were non-detects. No other detections in the method blank samples. No sample qualifications.	X	-	
LCS Recovery	1) benzene 78-123%aq , toluene 77-122% aq , chlorobenzene 79-123%, 1,1 DCE 75-118%aq, TCE 73-122%aq. (Table 7-2 of Work Plan. 2) 10% and <LCL% J detects, UJ –Nods 3) >UCL% J detects <10% R NDs, J-detects 7) *Recalculate the concentrations for one compound in the LCS 8) * Recalucate the %R (within 10% of lab) Note: Tier guidance as a zero blind	Marginally low LCS recovery for chlorobenzene in the LCS applicable to samples 2 & 3. Chlorobenzene results in samples 2 & 3 were qualified UJ.	X	Chlorobenzene results qualified UJ in samples 2 & 3.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
MS/MSD Recovery	1) benzene 79-119%aq, toluene 75-123% aq , chlorobenzene 81-123%, 1,1 DCE 69-126%aq, TCE 79-118%aq. 2) 80-120% (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD 4) * Recalucate the %R (within 10% of lab)	Native samples – 2 & 23. Two other batch MS/MSD pairs were also analyzed. MS/MSD runs for sample 2 had high recoveries for bromomethane, chloroethane, chloromethane and vinyl chloride and low recoveries for styrene. Of these vinyl chloride was the only detected compound. Vinyl chloride results in samples 2 and its field duplicate sample 3 were qualified J. Styrene results in samples 2 & 3 were qualified UJ. MS/MSD runs for sample 23 had high MSD recovery for bromomethane. All other recovery exceedances were in cases where spikes were < 4X native sample levels. Bromomethane results in samples 23 & 24 qualified UJ.	X	Vinyl chloride results in samples 2 and 3 were qualified J. Styrene results qualified UJ in samples 2 & 3. Bromomethane results in samples 23 & 24 qualified UJ.	
*MS/MSD/unspike sample RSD	1)For unspiked compounds if reported, Non- MS spike compounds <50% RSD calculated from MS/MSD/Unspiked Qualification: >50% RSD J-detects 2)*recalculate the RPD (within 10% of lab)	NA	-	-	
MS/MSD RPD	RPD ≤30% (aq/S) (when MS >QL) J – detects in MS sample UJ-non detects * recalculate RPD	Native samples – 2 & 23. Two other batch MS/MSD pairs were also analyzed. All MS/MSD RPD's within MPC limits, except for bromomethane in sample 23. Bromomethane results in samples 23 & 24 were qualified UJ.	x	Bromomethane results in samples 23 & 24 qualified UJ.	
Field Dup RPD	1) RPD ≤ 30%, <40% ketones VOCs water; ≤ 50 soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one >PQL, other ND, J-detections, UJ non-detect 3) Other conditions use judgement 4) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	3 Field duplicate pairs were analyzed with this SDG – 2-3, 23-24 & 15-14. All FD RPD's within MPC limits. For individual RPD values, please see attached Field Duplicate Worksheet.	X	-	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 5) * performed annually 6) *MDL is at least ½ of PQL 7) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).	NA	-	-	
Internal Stds	1) IS are –50% to 200% of last Ical, or CCV 3) RRT<0.06 (30 sec) 4) IS>100% J-detects 5) IS<20%CCV NDs – R 6) IS>20%CCV <50%CCV NDs – UJ 7) *check for IS transcription errors 8) FBZ = fluroobenzene 9) CBZ = chlorobenzene-d5	Initial analyses of samples 2 & 3 had low IS recoveries for TBA. Samples 5, 6, 7, 8, 9, 10 had low IS recoveries for more than one IS compound. Diluted re-analysis of sample 24 for TCE had low IS recoveries. The above samples were qualified with J for detections and UJ for non-detects.	X	Results in undiluted initial analyses of samples 2 & 3, all results in samples 5 thru 10 and	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	10) DCB = 1,4 dichlorobenzene-d4			the diluted re-analysis of TCE in sample 24 were qualified with J for detections and UJ for non-detects.	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 3) %R <10 ND- (R) , J- detects 4) 10%> but <LCL% , judgement 5) %R>UCL% J-detects 5) QC, IS, RRT meet criteria, 6) %RSD < 20% 7) MDL< MQL (3x less ideal) 8) Lab fortitied blank (see VOA/SV Part II –section X). 9) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) <u>Dilution factors for samples – impacts to sensitivity</u>	Dilutions required for TCE in samples 2 & 3 (5X) and samples 22, 23 & 24 (10X) to bring the TCE concentration into quantitation range. Sensitivity is acceptable for project objectives. MRLs are less than Project action limits.	X	-	
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 9) *Matrix effects- MS/MSD, surrogated, PDS. 10) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 11) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	
Single Blind PE	1) Qualify associated samples in PES batch PES = ND, Detects J – ND PE analytes in samples, NDs – R 12) PES > acceptance criteria – Detects in samples J,	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	13) PES<acceptance criteria – Detects J, NDs –R 14) VOA/SV-XI14 other criteria 15) *% of PES sample above and below criteria *Recalculate concentrations for one tgt compound per PES (10% of lab)				
Tune check	1) ion abundance with method limits 2) *check for co-elution /proper background subtratction 3) *compare reported data to raw data	All tunes passed method criteria. No samples qualified.	X	-	
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds 2) within 12 hours of the tune check 3) CCCs %RSD: <30% (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC (J –detects, R or UJ NDs all samples associated with Ical) 4) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 (J –detects, R NDs) 5) RRF>0.05 all compounds 6) RRT < 0.06 units (all stds within 30 sec) *7) RRF exclusions: surrogates, acetone, MeCL, chloroethane/methane, CS, 1,/22/03 2-butanone, 1,2 dichloropropane, 2-hexanone (IV-8)./* 8) *verify that instrument parameters met method and that Ical and analysis used the same parameters 9) *recalculate RRF one tgt compound associated with each IS. Recalculated values within 10% of lab values. 10) *recalculate one tgt compound associated with each IS. Recalculated values within 10% 11) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 12) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Two instruments were used during the analyses. They were MAMSL (or GCMSL) and 5973G (or GCMSG). Calibration for MAMSL performed on June 28 and July 5 and for 5973G, calibration was performed on June 26. All RRF's for target VOCs meet criteria. CCC and SPCC criteria met. No samples qualified.	X	-	
Initial Cal (Linearity)	%RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 or alternatively mean %RSD <15% for all target analytes, with no analyte %RSD>30% or %RSD<30% each target analyte Qualification for compounds with : %RSD>30% and RRF>0.05 – J detects, UJ - NDs %RSD<30% and RRF<0.05; -J detects, R - ND %RSD>30% and RRF<0.05: J detects, R - ND (see VOA/SVIII-4)	Two instruments were used during the analyses. They were MAMSL (or GCMSL) and 5973G (or GCMSG). Calibration for MAMSL performed on June 28 and July 5 and for 5973G, calibration was performed on June 26. For both instruments, %RSD < 15% or COD >0.99 for all target analytes. No sample qualifications.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
2nd Source ICV	QAPP: per Method SOP Lab uses second source LCS %R (between ICV and Ical) analytes 80%--120% (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Two instruments were used during the analyses. They were MAMSL (or GCMSL) and 5973G (or GCMSG). Calibration for MAMSL performed on June 28 and July 5 and for 5973G, calibration was performed on June 26. June 26 calibration for 5973 G was applicable to samples 1 thru 10, 26, 27 & 28. ICV %D's were outside MPC limits for chloromethane and carbon disulfide. June 28 calibration for MAMSL was applicable to samples 11 thru 25. ICV %D's outside MPC limits for bromoform and 1,1,2,2-tetrachloroethane. July 5 calibration was applicable to the TCE analyses in samples 22, 23 & 24; ICV %D for TCE within MPC limits.	X	Chloromethane and carbondisulfide results in samples 1 thru 10, 26, 27 & 28, bromoform and 1,1,2,2-tetrachloroethane results in samples 11 thru 25 were qualified J for detections and UJ for non-detects.	
CCV	1) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0..3, 1122TCA>0..3 2) RRF all compounds > 0.05 *3)* CCC: (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC) %D<20% (or all analytes if no CCCs reported). *4)* QAPP; method SOP. *5)* *RRF exclusions: surrogates, acetone, MeCL, chloroethane/methane, CS, 1,2 DCA, 2-butanone, 1,2 dichloropropane, 2-hexanone (IV-8)./* 6) Qualification-J detects, R or UJ NDs 7) *verify same instrument and parameters 8) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 9) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 10) *IS RRT<0.06 units (30 sec) 11) * IS area -50 % to 100 % of last ICAL 12) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 13) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	The following CCV checks were performed during the VOC analyses: July 1 – 5973G – applicable to initial analyses of samples 2 & 3. Acetone and 1,1,2,2-tetrachloroethane had %D's outside MPC limits. July 2 – 5973G – applicable to samples 1 thru 10 (of these, 2 & 3 were analyzed for TCE only in this run). Acetone, 1,2-dichloroethane and TCE had %D's outside MPC limits. TCE results qualified J for detects and UJ for non-detects in samples 1 thru 10. Acetone and 1,2-dichloroethane results in samples 1, 4, 6, 7, 8, 9 & 10 were qualified J for detects and UJ for non-detects. July 5 – 5973G – applicable to samples 26, 27 & 28. Acetone had %D's outside MPC limits. Acetone results qualified UJ in samples 26, 27 & 28. July 4 – MAMSL – applicable to samples 11 thru 25. Benzene, 4-methyl-2-pentanone, 2-hexanone, xylenes and chlorobenzene had %D's outside MPC limits. The results for these compounds in the applicable samples were qualified J for detects and UJ for non-detects. July 6 – MAMSL – applicable to the TCE re-analyses in samples 22, 23 & 24. %D within MPC limits for TCE.	X	Acetone and 1,1,2,2-tetrachloroethane results in the initial analyses of samples 2 & 3, TCE results in samples 1 thru 10, acetone and 1,2-dichloroethane results in samples 1, 4, 6, 7, 8, 9 & 10, acetone results in samples 26, 27 & 28 and benzene, 4-methyl-2-pentanone, 2-hexanone, xylenes and chlorobenzene results in samples 11 thru 25 were qualified	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
				with J for detects and UJ for non-detects.	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Analytical Error Evaluation: Sample results usable for project decisions, as qualified. Detections in undiluted runs for samples 2, 3, diluted TCE result for sample 24 and detections in sample 25 were qualified J and all results in samples 12, 14 thru 21, initial undiluted analyses of samples 22 & 24 and sample 25 results were qualified J for detects and UJ for non-detects due to surrogate recoveries outside MPC limits. Chlorobenzene results qualified UJ in samples 2 & 3 due to low LCS recoveries. Due to MS/MSD recoveries outside MPC limits, vinyl chloride results were qualified J, styrene results were qualified UJ in samples 2 & 3 and bromomethane results in samples 23 & 24 were qualified UJ. Bromomethane also had high MS/MSD RPD in the MS/MSD performed on sample 23. Results in undiluted initial analyses of samples 2 & 3, all results in samples 5 thru 10 and the diluted re-analysis of TCE in sample 24 were qualified with J for detections and UJ for non-detects due to low IS recoveries. ICAL within MPC limits. ICV: Chloromethane and carbondisulfide results in samples 1 thru 10, 26, 27 & 28, bromoform and 1,1,2,2-tetrachloroethane results in samples 11 thru 25 were qualified J for detections and UJ for non-detects due to high ICV %D's. CCV: Acetone and 1,1,2,2-tetrachloroethane results in the initial analyses of samples 2 & 3, TCE results in samples 1 thru 10, acetone and 1,2-dichloroethane results in samples 1, 4, 6, 7, 8, 9 & 10, acetone results in samples 26, 27 & 28 and benzene, 4-methyl-2-pentanone, 2-hexanone, xylenes and chlorobenzene results in samples 11 thru 25 were qualified with J for detects and UJ for non-detects due to high CCV %D's. The method blank sample applicable to samples 11 thru 25 had acetone detected at 4.5 ppb but all sample results for acetone were non-detects. No other detections in the method blank samples. Sampling Error Evaluation: 3 Field duplicate pairs were analyzed with this SDG – 2-3, 23-24 & 15-14.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
		All field duplicate RPD's were within MPC limits. Acceptable sampling precision. Tripblank samples 10 & 28 had no detections. No apparent cross contamination in the field.			

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

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Site 03 - June 2005 Groundwater Sampling
Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Acetone	4.3	ug/l	UJ	4.3	5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Benzene	0.36	ug/l	U	0.36	0.5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Bromodichloromethane	0.98	ug/l	U	0.98	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Bromoform	0.45	ug/l	U	0.45	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Bromomethane	0.65	ug/l	U	0.65	2
EA-110D	M48420-1	SW846 8260B	06/20/05	1	2-Butanone (MEK)	2.5	ug/l	U	2.5	5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Carbon tetrachloride	0.43	ug/l	U	0.43	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Chlorobenzene	0.38	ug/l	U	0.38	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Chloroethane	0.96	ug/l	U	0.96	2
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Chloroform	0.66	ug/l	U	0.66	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Dibromochloromethane	0.36	ug/l	U	0.36	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	1,1-Dichloroethane	0.42	ug/l	U	0.42	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	1,1-Dichloroethene	0.73	ug/l	U	0.73	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	1,2-Dichloroethene (total)	1	ug/l	U	1	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	1,2-Dichloropropane	0.83	ug/l	U	0.83	2
EA-110D	M48420-1	SW846 8260B	06/20/05	1	cis-1,3-Dichloropropene	0.42	ug/l	U	0.42	0.5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	trans-1,3-Dichloropropene	0.37	ug/l	U	0.37	0.5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Ethylbenzene	0.36	ug/l	U	0.36	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	2-Hexanone	1.8	ug/l	U	1.8	5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	U	2	5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Methylene chloride	1.4	ug/l	U	1.4	2
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Styrene	0.38	ug/l	U	0.38	5
EA-110D	M48420-1	SW846 8260B	06/20/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	U	0.5	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Tetrachloroethene	0.37	ug/l	U	0.37	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Toluene	0.38	ug/l	U	0.38	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	1,1,1-Trichloroethane	0.5	ug/l	U	0.5	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	1,1,2-Trichloroethane	0.61	ug/l	U	0.61	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Trichloroethene	0.49	ug/l	UJ	0.49	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Vinyl chloride	0.49	ug/l	U	0.49	1
EA-110D	M48420-1	SW846 8260B	06/20/05	1	Xylene (total)	1	ug/l	U	1	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1

Site 03 - June 2005 Groundwater Sampling
Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	1	ug/l	UJ	1	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Trichloroethene	0.49	ug/l	UJ	0.49	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW03-TB01	M48420-10	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	U	4.3	5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	U	0.98	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	U	0.65	2
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	U	2.5	5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	U	0.46	5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	U	0.43	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	U	0.96	2
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	U	0.66	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	U	0.55	2
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	U	0.36	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	U	0.42	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	U	0.41	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	U	0.73	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	25.8	ug/l		1	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	U	0.83	2
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	U	0.42	0.5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	U	0.37	0.5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	U	0.36	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	U	1.4	2
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	U	0.38	5
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	U	0.37	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	U	0.38	1

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	U	0.5	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	2	ug/l		0.61	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Trichloroethene	15.4	ug/l		0.49	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Vinyl chloride	1.2	ug/l		0.49	1
MW02-03R	M48420-11	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	23.2	ug/l	J	1	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	7.7	ug/l	J	0.5	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	1.3	ug/l	J	0.61	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Trichloroethene	54.8	ug/l	J	0.49	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Vinyl chloride	0.61	ug/l	J	0.49	1
MW03-03R	M48420-12	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	U	4.3	5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	U	0.98	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	U	0.65	2
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	U	2.5	5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	U	0.46	5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	U	0.43	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1

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Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	U	0.96	2
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	U	0.66	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	U	0.55	2
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	U	0.36	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	U	0.42	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	U	0.41	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	U	0.73	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	23.7	ug/l		1	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	U	0.83	2
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	U	0.42	0.5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	U	0.37	0.5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	U	0.36	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	U	1.4	2
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	U	0.38	5
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	U	0.37	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	U	0.38	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	U	0.5	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	1.6	ug/l		0.61	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Trichloroethene	64.5	ug/l		0.49	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Vinyl chloride	0.49	ug/l	U	0.49	1
MW03-10D	M48420-13	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	1.2	ug/l	J	1	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5

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Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Trichloroethene	1.6	ug/l	J	0.49	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW03-DUP3	M48420-14	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	1.6	ug/l	J	1	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Trichloroethene	1.5	ug/l	J	0.49	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW01-15D	M48420-15	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	33.6	ug/l	J	1	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	2.3	ug/l	J	0.61	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Trichloroethene	8.2	ug/l	J	0.49	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Vinyl chloride	1.3	ug/l	J	0.49	1
MW02-11D	M48420-16	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	1	ug/l	UJ	1	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Trichloroethene	0.49	ug/l	UJ	0.49	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW01-15R	M48420-17	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	6	ug/l	J	1	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Trichloroethene	0.49	ug/l	UJ	0.49	1
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW01-14D	M48420-18	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	1.4	ug/l	J	1	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Trichloroethene	0.49	ug/l	UJ	0.49	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW01-13D	M48420-19	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	1,2-Dichloroethene (total)	262	ug/l	J	1	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	1,1,2,2-Tetrachloroethane	51.6	ug/l	J	0.5	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	1,1,2-Trichloroethane	8	ug/l	J	0.61	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	5	Trichloroethene	345	ug/l	J	2.4	5
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Vinyl chloride	8.1	ug/l	J	0.49	1
MW-Z3-01	M48420-2	SW846 8260B	06/20/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	1	ug/l	UJ	1	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Trichloroethene	0.49	ug/l	UJ	0.49	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW01-10D	M48420-20	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	1	ug/l	UJ	1	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Trichloroethene	0.49	ug/l	UJ	0.49	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW01-10R	M48420-21	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1

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Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	1,1-Dichloroethene	1.2	ug/l	J	0.73	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	215	ug/l	J	1	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	259	ug/l	J	0.5	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Tetrachloroethene	7.5	ug/l	J	0.37	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	13.5	ug/l	J	0.61	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	10	Trichloroethene	633	ug/l		4.9	10
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Vinyl chloride	1.9	ug/l	J	0.49	1
MW03-08D	M48420-22	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	U	4.3	5
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	U	0.98	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	U	2.5	5
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	U	0.46	5
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	U	0.43	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	U	0.96	2
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	U	0.66	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	U	0.55	2
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	U	0.36	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	U	0.42	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	U	0.41	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	1,1-Dichloroethene	5.1	ug/l		0.73	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	376	ug/l		1	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	U	0.83	2
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	U	0.42	0.5
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	U	0.37	0.5
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	U	0.36	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5

Site 03 - June 2005 Groundwater Sampling
Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	U	1.4	2
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	U	0.38	5
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	290	ug/l	J	0.5	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Tetrachloroethene	3.5	ug/l		0.37	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	U	0.38	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	U	0.5	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	24.1	ug/l		0.61	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	10	Trichloroethene	1300	ug/l		4.9	10
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Vinyl chloride	5.4	ug/l		0.49	1
MW03-08R	M48420-23	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	1,1-Dichloroethene	5	ug/l	J	0.73	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	377	ug/l	J	1	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	294	ug/l	J	0.5	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Tetrachloroethene	3.5	ug/l	J	0.37	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	25.2	ug/l	J	0.61	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	10	Trichloroethene	1350	ug/l	J	4.9	10
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Vinyl chloride	5.1	ug/l	J	0.49	1
MW03-DUP2	M48420-24	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	1,1-Dichloroethane	1.1	ug/l	J	0.42	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	1,2-Dichloroethene (total)	171	ug/l	J	1	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	1,1,2,2-Tetrachloroethane	2.6	ug/l	J	0.5	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	1,1,2-Trichloroethane	5.6	ug/l	J	0.61	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Trichloroethene	177	ug/l	J	0.49	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Vinyl chloride	3.9	ug/l	J	0.49	1
MW03-09D	M48420-25	SW846 8260B	06/22/05	1	Xylene (total)	1	ug/l	UJ	1	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Acetone	4.3	ug/l	UJ	4.3	5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Benzene	0.36	ug/l	U	0.36	0.5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Bromodichloromethane	0.98	ug/l	U	0.98	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Bromoform	0.45	ug/l	U	0.45	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Bromomethane	0.65	ug/l	U	0.65	2
EA-111D	M48420-26	SW846 8260B	06/23/05	1	2-Butanone (MEK)	2.5	ug/l	U	2.5	5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Carbon tetrachloride	0.43	ug/l	U	0.43	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Chlorobenzene	0.38	ug/l	U	0.38	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Chloroethane	0.96	ug/l	U	0.96	2
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Chloroform	0.66	ug/l	U	0.66	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Dibromochloromethane	0.36	ug/l	U	0.36	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	1,1-Dichloroethane	3.8	ug/l		0.42	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	1,2-Dichloroethane	0.41	ug/l	U	0.41	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	1,1-Dichloroethene	0.73	ug/l	U	0.73	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	1,2-Dichloroethene (total)	1	ug/l		1	1

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Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
EA-111D	M48420-26	SW846 8260B	06/23/05	1	1,2-Dichloropropane	0.83	ug/l	U	0.83	2
EA-111D	M48420-26	SW846 8260B	06/23/05	1	cis-1,3-Dichloropropene	0.42	ug/l	U	0.42	0.5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	trans-1,3-Dichloropropene	0.37	ug/l	U	0.37	0.5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Ethylbenzene	0.36	ug/l	U	0.36	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	2-Hexanone	1.8	ug/l	U	1.8	5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	U	2	5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Methylene chloride	1.4	ug/l	U	1.4	2
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Styrene	0.38	ug/l	U	0.38	5
EA-111D	M48420-26	SW846 8260B	06/23/05	1	1,1,2,2-Tetrachloroethane	1.4	ug/l		0.5	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Tetrachloroethene	0.37	ug/l	U	0.37	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Toluene	0.38	ug/l	U	0.38	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	1,1,1-Trichloroethane	0.5	ug/l	U	0.5	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	1,1,2-Trichloroethane	0.62	ug/l	J	0.61	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Trichloroethene	0.49	ug/l	U	0.49	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Vinyl chloride	0.49	ug/l	U	0.49	1
EA-111D	M48420-26	SW846 8260B	06/23/05	1	Xylene (total)	1	ug/l	U	1	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Acetone	4.3	ug/l	UJ	4.3	5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Benzene	0.36	ug/l	U	0.36	0.5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Bromodichloromethane	0.98	ug/l	U	0.98	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Bromoform	0.45	ug/l	U	0.45	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Bromomethane	0.65	ug/l	U	0.65	2
EA-111R	M48420-27	SW846 8260B	06/23/05	1	2-Butanone (MEK)	2.5	ug/l	U	2.5	5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Carbon tetrachloride	0.43	ug/l	U	0.43	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Chlorobenzene	0.38	ug/l	U	0.38	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Chloroethane	0.96	ug/l	U	0.96	2
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Chloroform	0.66	ug/l	U	0.66	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Dibromochloromethane	0.36	ug/l	U	0.36	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	1,1-Dichloroethane	2.4	ug/l		0.42	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	1,2-Dichloroethane	0.41	ug/l	U	0.41	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	1,1-Dichloroethene	0.73	ug/l	U	0.73	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	1,2-Dichloroethene (total)	1.5	ug/l		1	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	1,2-Dichloropropane	0.83	ug/l	U	0.83	2
EA-111R	M48420-27	SW846 8260B	06/23/05	1	cis-1,3-Dichloropropene	0.42	ug/l	U	0.42	0.5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	trans-1,3-Dichloropropene	0.37	ug/l	U	0.37	0.5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Ethylbenzene	0.36	ug/l	U	0.36	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	2-Hexanone	1.8	ug/l	U	1.8	5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	U	2	5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Methylene chloride	1.4	ug/l	U	1.4	2
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Styrene	0.38	ug/l	U	0.38	5
EA-111R	M48420-27	SW846 8260B	06/23/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	U	0.5	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Tetrachloroethene	0.37	ug/l	U	0.37	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Toluene	0.38	ug/l	U	0.38	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	1,1,1-Trichloroethane	0.5	ug/l	U	0.5	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	1,1,2-Trichloroethane	0.61	ug/l	U	0.61	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Trichloroethene	0.49	ug/l	U	0.49	1

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Vinyl chloride	0.49	ug/l	U	0.49	1
EA-111R	M48420-27	SW846 8260B	06/23/05	1	Xylene (total)	1	ug/l	U	1	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Benzene	0.36	ug/l	U	0.36	0.5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Bromodichloromethane	0.98	ug/l	U	0.98	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Bromoform	0.45	ug/l	U	0.45	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Bromomethane	0.65	ug/l	U	0.65	2
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	2-Butanone (MEK)	2.5	ug/l	U	2.5	5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Carbon tetrachloride	0.43	ug/l	U	0.43	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Chlorobenzene	0.38	ug/l	U	0.38	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Chloroethane	0.96	ug/l	U	0.96	2
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Chloroform	0.66	ug/l	U	0.66	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Dibromochloromethane	0.36	ug/l	U	0.36	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	1,1-Dichloroethane	0.42	ug/l	U	0.42	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	1,2-Dichloroethane	0.41	ug/l	U	0.41	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	1,1-Dichloroethene	0.73	ug/l	U	0.73	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	1,2-Dichloroethene (total)	1	ug/l	U	1	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	1,2-Dichloropropane	0.83	ug/l	U	0.83	2
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	cis-1,3-Dichloropropene	0.42	ug/l	U	0.42	0.5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	trans-1,3-Dichloropropene	0.37	ug/l	U	0.37	0.5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Ethylbenzene	0.36	ug/l	U	0.36	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	2-Hexanone	1.8	ug/l	U	1.8	5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	U	2	5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Methylene chloride	1.4	ug/l	U	1.4	2
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Styrene	0.38	ug/l	U	0.38	5
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	U	0.5	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Tetrachloroethene	0.37	ug/l	U	0.37	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Toluene	0.38	ug/l	U	0.38	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	1,1,1-Trichloroethane	0.5	ug/l	U	0.5	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	1,1,2-Trichloroethane	0.61	ug/l	U	0.61	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Trichloroethene	0.49	ug/l	U	0.49	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Vinyl chloride	0.49	ug/l	U	0.49	1
MW03-TB02	M48420-28	SW846 8260B	06/23/05	1	Xylene (total)	1	ug/l	U	1	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	1,2-Dichloroethene (total)	263	ug/l	J	1	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	1,1,2,2-Tetrachloroethane	51.7	ug/l	J	0.5	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	1,1,2-Trichloroethane	8.1	ug/l	J	0.61	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	5	Trichloroethene	357	ug/l	J	2.4	5
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Vinyl chloride	8.1	ug/l	J	0.49	1
MW03-DUP1	M48420-3	SW846 8260B	06/20/05	1	Xylene (total)	1	ug/l	UJ	1	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Acetone	4.3	ug/l	UJ	4.3	5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Benzene	0.36	ug/l	U	0.36	0.5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Bromodichloromethane	0.98	ug/l	U	0.98	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Bromoform	0.45	ug/l	U	0.45	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Bromomethane	0.65	ug/l	U	0.65	2
EA-110R	M48420-4	SW846 8260B	06/20/05	1	2-Butanone (MEK)	2.5	ug/l	U	2.5	5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Carbon tetrachloride	0.43	ug/l	U	0.43	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Chlorobenzene	0.38	ug/l	U	0.38	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Chloroethane	0.96	ug/l	U	0.96	2
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Chloroform	0.66	ug/l	U	0.66	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Dibromochloromethane	0.36	ug/l	U	0.36	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	1,1-Dichloroethane	0.42	ug/l	U	0.42	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	1,1-Dichloroethene	0.73	ug/l	U	0.73	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	1,2-Dichloroethene (total)	1	ug/l	U	1	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	1,2-Dichloropropane	0.83	ug/l	U	0.83	2
EA-110R	M48420-4	SW846 8260B	06/20/05	1	cis-1,3-Dichloropropene	0.42	ug/l	U	0.42	0.5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	trans-1,3-Dichloropropene	0.37	ug/l	U	0.37	0.5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Ethylbenzene	0.36	ug/l	U	0.36	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	2-Hexanone	1.8	ug/l	U	1.8	5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	U	2	5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Methylene chloride	1.4	ug/l	U	1.4	2
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Styrene	0.38	ug/l	U	0.38	5
EA-110R	M48420-4	SW846 8260B	06/20/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	U	0.5	1

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Tetrachloroethene	0.37	ug/l	U	0.37	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Toluene	0.38	ug/l	U	0.38	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	1,1,1-Trichloroethane	0.5	ug/l	U	0.5	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	1,1,2-Trichloroethane	0.61	ug/l	U	0.61	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Trichloroethene	0.49	ug/l	UJ	0.49	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Vinyl chloride	0.49	ug/l	U	0.49	1
EA-110R	M48420-4	SW846 8260B	06/20/05	1	Xylene (total)	1	ug/l	U	1	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	1.1	ug/l	J	1	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Trichloroethene	2.2	ug/l	J	0.49	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW03-05D	M48420-5	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5

Site 03 - June 2005 Groundwater Sampling
Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	10.1	ug/l	J	1	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	1.8	ug/l	J	0.5	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	0.66	ug/l	J	0.61	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Trichloroethene	12.5	ug/l	J	0.49	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW02-08D	M48420-6	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	1	ug/l	UJ	1	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1

Site 03 - June 2005 Groundwater Sampling
Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	0.5	ug/l	UJ	0.5	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	0.61	ug/l	UJ	0.61	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Trichloroethene	1.1	ug/l	J	0.49	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Vinyl chloride	0.49	ug/l	UJ	0.49	1
MW-Z3-02	M48420-7	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.48	ug/l	J	0.42	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	26.6	ug/l	J	1	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	1.1	ug/l	J	0.5	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	2.2	ug/l	J	0.61	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Trichloroethene	12	ug/l	J	0.49	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Vinyl chloride	1.3	ug/l	J	0.49	1
MW02-03D	M48420-8	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Acetone	4.3	ug/l	UJ	4.3	5
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Benzene	0.36	ug/l	UJ	0.36	0.5

Site 03 - June 2005 Groundwater Sampling
Data Summary Table - SDG 48420

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	MRL
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Bromodichloromethane	0.98	ug/l	UJ	0.98	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Bromoform	0.45	ug/l	UJ	0.45	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Bromomethane	0.65	ug/l	UJ	0.65	2
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	2-Butanone (MEK)	2.5	ug/l	UJ	2.5	5
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Carbon disulfide	0.46	ug/l	UJ	0.46	5
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Carbon tetrachloride	0.43	ug/l	UJ	0.43	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Chlorobenzene	0.38	ug/l	UJ	0.38	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Chloroethane	0.96	ug/l	UJ	0.96	2
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Chloroform	0.66	ug/l	UJ	0.66	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Chloromethane	0.55	ug/l	UJ	0.55	2
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Dibromochloromethane	0.36	ug/l	UJ	0.36	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	1,1-Dichloroethane	0.42	ug/l	UJ	0.42	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	1,2-Dichloroethane	0.41	ug/l	UJ	0.41	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	1,1-Dichloroethene	0.73	ug/l	UJ	0.73	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	1,2-Dichloroethene (total)	68.1	ug/l	J	1	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	1,2-Dichloropropane	0.83	ug/l	UJ	0.83	2
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	cis-1,3-Dichloropropene	0.42	ug/l	UJ	0.42	0.5
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	trans-1,3-Dichloropropene	0.37	ug/l	UJ	0.37	0.5
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Ethylbenzene	0.36	ug/l	UJ	0.36	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	2-Hexanone	1.8	ug/l	UJ	1.8	5
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	4-Methyl-2-pentanone (MIBK)	2	ug/l	UJ	2	5
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Methylene chloride	1.4	ug/l	UJ	1.4	2
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Styrene	0.38	ug/l	UJ	0.38	5
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	1,1,2,2-Tetrachloroethane	7.6	ug/l	J	0.5	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Tetrachloroethene	0.37	ug/l	UJ	0.37	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Toluene	0.38	ug/l	UJ	0.38	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	1,1,1-Trichloroethane	0.5	ug/l	UJ	0.5	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	1,1,2-Trichloroethane	2	ug/l	J	0.61	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Trichloroethene	141	ug/l	J	0.49	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Vinyl chloride	1.6	ug/l	J	0.49	1
MW03-03D	M48420-9	SW846 8260B	06/21/05	1	Xylene (total)	1	ug/l	UJ	1	1

Field Duplicate Worksheet
Site 03 - June 2005 Groundwater Sampling
SDG 48420

Field Duplicate Lab ID	Analytical Method	Dilution Factor	Analyte	Result	Units	Field Duplicate Qualifier	Field Sample ID	Field Sample Lab ID	Dilution Factor	Field Sample Results	Field Sample Qualifier	FD RPD
M48420-3	SW8260	1	1,2-Dichloroethene (total)	263	ug/l	J	MW-Z3-01	M48420-2	1	262	J	0.4
M48420-3	SW8260	1	1,1,2,2-Tetrachloroethane	51.7	ug/l	J	MW-Z3-01	M48420-2	1	51.6	J	0.2
M48420-3	SW8260	1	1,1,2-Trichloroethane	8.1	ug/l	J	MW-Z3-01	M48420-2	1	8	J	1.2
M48420-3	SW8260	5	Trichloroethene	357	ug/l	J	MW-Z3-01	M48420-2	5	345	J	3.4
M48420-3	SW8260	1	Vinyl chloride	8.1	ug/l	J	MW-Z3-01	M48420-2	1	8.1	J	0.0
M48420-24	SW8260	1	1,1-Dichloroethene	5	ug/l	J	MW03-08R	M48420-23	1	5.1		2.0
M48420-24	SW8260	1	1,2-Dichloroethene (total)	377	ug/l	J	MW03-08R	M48420-23	1	376		0.3
M48420-24	SW8260	1	1,1,2,2-Tetrachloroethane	294	ug/l	J	MW03-08R	M48420-23	1	290		1.4
M48420-24	SW8260	1	Tetrachloroethene	3.5	ug/l	J	MW03-08R	M48420-23	1	3.5		0.0
M48420-24	SW8260	1	1,1,2-Trichloroethane	25.2	ug/l	J	MW03-08R	M48420-23	1	24.1		4.5
M48420-24	SW8260	10	Trichloroethene	1350	ug/l	J	MW03-08R	M48420-23	10	1300		3.8
M48420-24	SW8260	1	Vinyl chloride	5.1	ug/l	J	MW03-08R	M48420-23	1	5.4		5.7
M48420-14	SW8260	1	1,2-Dichloroethene (total)	1.2	ug/l	J	MW01-15D	M48420-15	1	1.6	J	28.6
M48420-14	SW8260	1	Trichloroethene	1.6	ug/l	J	MW01-15D	M48420-15	1	1.5	J	6.5

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: M48420
Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Site 03
Location: Davisville, RI
Project No.:
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	TCL VOC
EA-110D -1	6/20/05	1850		GW	2	x					X
MW-Z3-01 -2,25,2D MS/MSD	6/20/05	1400		GW	6	x					X
MW03-DUP1 -3	6/20/05	0000		GW	2	x					X
EA-110R -4	6/20/05	1640		GW	2	x					X
MW03-05D -5	6/21/05	1038		GW	2	x					X
MW02-08D -6	6/21/05	1229		GW	2	x					X
MW-Z3-02 -7	6/21/05	1117		GW	2	x					X
MW02-03D -8	6/21/05	1305		GW	2	x					X
MW03-03D -9	6/21/05	1435		GW	2	x					X
MW03-TB01 -10	6/21/05	0800		GW	2	x					X

Turnaround Information

- ☐ 21 Day Standard
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

Approved By:

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Please fax COC and check-in sheet to ECC when samples are received.

Loc. 4I2

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	6/21/05 1445	1	2	6/21/05 15:00	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☐	On Ice: ☑ 2.0 C

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CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: M48420
Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Site 03
Location: Davisville, RI
Project No.:
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	TCL VOC
MW02-03R -11	6/21/05	1534		GW	2	x					X
MW03-03R -12	6/21/05	1603		GW	2	x					X
MW03-10D -13	6/21/05	1730		GW	2	x					X
MW03-DUP3 -14	6/22/05	0000		GW	2	x					X
MW01-15D -15	6/22/05	1449		GW	2	x					X
MW02-11D -16	6/21/05	1718		GW	2	x					X
MW01-15R -17	6/22/05	1640		GW	2	x					X
MW01-14D -18	6/22/05	1321		GW	2	x					X
MW01-13D -19	6/22/05	1113		GW	2	x					X
MW01-10D -20	6/22/05	1200		GW	2	x					X
MW01-10R -21	6/22/05	1040		GW	2	x					X
MW03-08D -22	6/22/05	1456		GW	2	x					X
MW03-08R -23 23S 23D MS/MSD	6/22/05	1317		GW	6	x					X
MW03-DUP2 -24	6/22/05	0000		GW	2	x					X

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Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [ ] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [ ] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Please fax COC and check-in sheet to ECC when samples are received.

Loc. 1B4

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	6/22/05 1440	1 Ryan McSweeney	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☑	On ice: ☑ 2.3°c

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: M48420
Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Site 03
Location: Davisville, RI
Project No.
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	TCL VOC
MW03-09D -25	6/22/05	1655		GW	2	x					X
EA-111D -26	6/23/05	1135		GW	2	x					X
EA-111R -27	6/23/05	1128		GW	2	x					X
MW03-TB02 -28	6/23/05	0800		GW	2	x					X

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Please fax COC and check-in sheet to ECC when samples are received.

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	6/23/05 1440	1	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☑	On Ice: ☑ 2.3°c

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APPENDIX C

SITE 03 HISTORICAL GROUNDWATER MEASUREMENT AND ELEVATION DATA

APPENDIX C1

HISTORICAL SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Stickup (ft AGS)	Elevation Top of Riser (MSL)	Depth to Groundwater (ft TOR)													
			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04
NETW	0.1	32.23	16.68	14.13	NM	NM	15.95	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW01-05S	2.5	35.26	19.58	17.11	17.26	19.63	19.20	NM	NM	19.02	NM	17.36	NM	NM	NM	NM
MW01-06S	-0.3	33.69	17.58	15.03	15.12	17.65	17.21	NM	NM	NM	NM	13.54	NM	NM	NM	NM
MW01-07S	1	33.92	17.76	15.02	15.19	17.89	17.20	NM	NM	NM	NM	15.20	NM	NM	NM	NM
MW01-08D	-0.6	37.50	NI	NI	NI	NI	19.27	NM	16.08	NM	15.94	16.70	NM	NM	NM	NM
MW01-09D	-0.5	39.18	NI	NI	NI	NI	21.88	NM	19.56	21.52	19.36	19.36	NM	NM	NM	NM
MW01-10S	1.5	42.73	NI	NI	NI	NI	23.37	NM	NM	22.89	NM	20.08	NM	NM	NM	NM
MW01-11D	-0.3	38.98	NI	NI	NI	NI	23.28	NM	21.00	22.94	20.66	21.17	NM	NM	NM	NM
MW01-12S	-0.3	36.01	NI	NI	NI	NI	19.15	NM	NM	18.91	NM	16.84	NM	NM	NM	NM
MW01-12D	-0.4	35.96	NI	NI	NI	NI	19.06	NM	16.02	18.77	15.74	16.91	NM	NM	NM	NM
MW01-13S	1.3	25.99	NI	NI	NI	NI	15.98	NM	NM	15.85	NM	15.65	NM	NM	NM	NM
MW01-13R	1.80	26.74	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
MW01-14S	1.2	37.38	NI	NI	NI	NI	24.15	NM	NM	23.95	NM	23.35	NM	NM	NM	NM
MW02-01S	2.2	39.80	21.88	19.21	19.26	21.70	22.60	NM	NM	21.28	NM	NM	NM	NM	NM	NM
MW02-02S	2.8	43.42	29.55	26.01	26.03	28.67	28.22	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW02-03S	3.1	42.61	27.14	25.27	25.31	27.19	27.50	NM	NM	26.71	NM	25.14	NM	NM	NM	NM
MW02-04S	-0.3	38.19	19.74	18.47	18.42	20.54	19.60	NM	NM	19.13	NM	18.10	NM	NM	NM	NM
MW02-05S	-0.3	38.17	20.59	18.29	18.23	20.36	20.37	NM	NM	19.96	NM	17.92	NM	NM	NM	NM
MW02-06S	-0.4	36.98	19.45	17.20	17.11	NM	19.24	NM	NM	18.79	NM	16.83	NM	NM	NM	NM
MW02-08S	-0.3	38.64	21.05	18.70	18.62	20.80	20.89	NM	NM	20.49	NM	18.36	NM	NM	NM	NM
MW02-09S	-0.6	37.93	20.00	17.50	17.46	19.75	19.74	NM	NM	19.24	NM	17.21	NM	NM	NM	NM
MW02-10S	-0.6	37.01	19.62	17.38	17.32	19.41	19.45	NM	NM	19.04	NM	17.03	NM	NM	NM	NM
MW02-10D	-0.4	37.36	20.09	17.80	17.77	19.85	19.86	NM	17.40	19.47	18.21	17.48	NM	NM	NM	NM
MW02-11S	2.2	40.22	23.30	21.27	21.26	23.11	23.18	NM	NM	22.75	NM	20.95	NM	NM	NM	NM
MW03-01S	-0.4	36.61	18.20	15.30	15.30	17.88	17.47	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW03-02S	2.2	38.37	19.95	16.97	16.98	19.59	19.64	NM	NM	19.14	NM	16.83	NM	NM	NM	NM
MW03-02D	2.4	38.57	20.13	17.21	17.25	19.88	19.89	17.32	17.04	NM	16.42	17.14	NM	NM	NM	NM
MW03-03S	2.0	38.36	19.75	16.84	16.88	19.51	19.48	NM	NM	18.98	NM	16.66	NM	NM	NM	NM
MW03-04S	-0.5	37.24	18.97	16.11	16.11	18.64	18.72	NM	NM	NM	NM	16.01	NM	NM	NM	NM

APPENDIX C1

HISTORICAL SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Stickup (ft AGS)	Elevation Top of Riser (MSL)	Depth to Groundwater (ft TOR)													
			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04
MW03-05S	-0.5	37.89	19.58	16.92	16.91	19.35	19.38	NM	NM	18.86	NM	16.76	NM	NM	NM	NM
MW03-06D	2.2	38.19	19.13	16.13	16.25	19.09	18.86	16.16	15.31	18.45	15.24	16.21	NM	NM	NM	NM
MW03-07D	2.3	35.41	16.07	12.90	13.07	16.10	NM	12.95	12.21	15.32	11.99	13.10	NM	NM	NM	NM
MW03-11S	1.4	30.98	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.76	NM	NM	NM	NM
MW03-11R	1.4	31.02	NI	NI	8.57	11.88	NM	8.54	NM	10.78	NM	9.07	NM	NM	NM	NM
MW03-12D	1.6	36.11	NI	NI	12.05	15.91	NM	12.34	10.62	15.42	10.38	12.84	NM	NM	NM	NM
MW03-12R	2.0	36.21	NI	NI	12.40	16.22	NM	12.61	NM	15.16	10.65	13.38	NM	NM	NM	NM
MW03-13D	2.4	32.56	NI	NI	9.26	12.82	NM	9.28	7.92	11.86	7.81	9.78	NM	NM	NM	NM
MW03-13R	2.3	32.38	NI	NI	9.34	12.71	NM	9.16	NM	11.76	7.56	9.96	NM	NM	NM	NM
MW03-14D	1.6	34.00	NI	NI	8.98	13.36	NM	9.27	7.05	11.95	6.47	10.01	NM	NM	NM	NM
MW03-14R	1.7	33.98	NI	NI	8.95	13.37	NM	9.25	NM	11.86	6.06	9.73	NM	NM	NM	NM
MW03-14R2	1.50	33.35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
MW-Z3-03D	1.9	40.00	NI	NI	NI	NI	NI	NM	19.26	22.59	19.26	19.79	NM	NM	NM	NM
MW-Z4-01	1.9	40.77	NI	NI	NI	NI	NI	NM	22.76	23.82	22.35	22.88	NM	NM	NM	NM
MW-Z4-02	2.2	34.18	NI	NI	NI	NI	NI	NM	NM	NM	15.94	16.72	NM	NM	NM	NM
RMW-01S	-0.4	38.20	NM	NM	18.63	21.16	19.55	NM	NM	19.49	NM	19.25	NM	NM	NM	NM
RMW-01I	0.8	38.20	NM	NM	18.69	20.96	19.23	NM	NM	NM	NM	19.15	NM	NM	NM	NM
RMW-01D	1.1	38.26	NM	NM	19.34	21.41	19.81	NM	17.90	NM	17.65	19.61	NM	NM	NM	NM
RMW-02S	1.7	25.50	NM	NM	8.48	11.15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RMW-02D	1.9	25.55	NM	NM	8.46	11.11	NM	NM	6.00	NM	5.56	NM	NM	NM	NM	NM
RMW-03S	1.7	16.67	NM	NM	3.69	6.63	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RMW-03D	2.0	16.82	NM	NM	3.36	6.90	NM	NM	NM	NM	1.81	NM	NM	NM	NM	NM
PGU-Z2-07	2.44	29.49	NI	NI	NI	NM	NM	NM	NM	NM	4.95	NM	NM	NM	NM	NM
PGU-Z2-08D	2.52	27.70	NI	NI	NI	NM	NM	NM	NM	NM	8.22	9.42	NM	NM	NM	NM
PGU-Z3-1	2.33	43.49	NI	NI	NI	23.09	NM	19.65	NM	22.65	17.29	19.49	NM	NM	NM	NM
PGU-Z3-2	2.56	42.35	NI	NI	NI	23.23	23.20	NM	NM	22.83	18.81	20.01	NM	NM	NM	NM
PGIJ-Z3-3S	2.51	15.41	NI	NI	NI	12.04	11.24	NM	NM	11.37	NM	11.39	NM	NM	NM	NM
PGU-Z3-3D	2.41	15.19	NI	NI	NI	11.55	10.70	NM	NM	NM	9.70	10.78	NM	NM	NM	NM
PGU-Z3-5	2.41	37.52	NI	NI	NI	18.92	NM	NM	NM	18.17	15.51	16.30	NM	NM	NM	NM

APPENDIX C1

HISTORICAL SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Stickup (ft AGS)	Elevation Top of Riser (MSL)	Depth to Groundwater (ft TOR)													
			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04
PGU-Z3-6	2.45	40.73	NI	NI	NI	22.83	22.81	NM	NM	21.33	20.22	20.53	NM	NM	NM	NM
PGU-Z3-7S	2.27	31.66	NI	NI	NI	14.55	NM	NM	NM	NM	NM	12.87	NM	NM	NM	NM
PGU-Z3-7D	2.29	31.89	NI	NI	NI	14.80	NM	NM	NM	NM	12.65	13.10	NM	NM	NM	NM
PGU-Z3-8	2.38	40.49	NI	NI	NI	24.83	24.69	NM	NM	24.36	22.46	23.05	NM	NM	NM	NM
PGU-Z3-9S	2.45	20.31	NI	NI	NI	12.17	NM	NM	NM	10.56	NM	10.14	NM	NM	NM	NM
PGU-Z3-9D	2.59	20.21	NI	NI	NI	12.82	NM	NM	NM	NM	8.27	10.99	NM	NM	NM	NM
PGU-Z3-10S	2.42	42.80	NI	NI	NI	28.24	NM	NM	NM	NM	NM	26.24	NM	NM	NM	NM
PGU-Z3-10D	2.54	42.79	NI	NI	NI	28.22	NM	NM	NM	NM	25.07	26.32	NM	NM	NM	NM
PGU-Z3-11	2.42	27.43	NI	NI	NI	10.85	NM	NM	NM	NM	7.90	9.27	NM	NM	NM	NM
PGU-Z4-01	2.18	38.14	NI	NI	NI	NI	NI	NI	NI	NI	20.22	22.88	NM	NM	NM	NM
PGU-Z4-02	2.15	31.44	NI	NI	NI	NI	NI	NI	NI	NI	13.62	NM	NM	NM	NM	NM
PGU-Z4-03S	-0.13	26.17												NM	NM	NM
PGU-Z4-03D	-0.48	25.87	NI	NI	NI	NI	NI	NI	NI	NI	11.97	13.25	NM	NM	NM	NM
EA-101	1.5	32.29	NI	NI	NI	NI	NI	7.39	5.10	10.20	4.62	8.35	NM	NM	NM	NM
EA-102	1.4	33.37	NI	NI	NI	NI	NI	8.32	6.07	NM	NM	9.38	NM	NM	NM	NM
EA-103	1.6	35.13	NI	NI	NI	NI	NI	10.46	8.15	13.45	7.72	11.15	NM	NM	NM	NM
EA-104	1.5	37.40	NI	NI	NI	NI	NI	13.22	11.15	16.24	10.81	13.43	NM	NM	NM	NM
EA-104R	1.7	37.54	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-105	1.3	31.95	NI	NI	NI	NI	NI	7.66	5.22	9.39	4.71	8.96	NM	NM	NM	NM
EA-105R	1.60	31.15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-106D	1.3	33.17	NI	NI	NI	NI	NI	8.33	5.80	11.59	5.11	8.85	NM	NM	NM	NM
EA-106R	2.3	33.84	NI	NI	NI	NI	NI	NI	NI	NI	5.59	NA	NM	NM	NM	NM
EA-107D	1.5	31.34	NI	NI	NI	NI	NI	7.96	5.66	9.13	5.52	9.26	NM	NM	NM	NM
EA-107R	1.30	30.37	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-108D	1.3	33.50	NI	NI	NI	NI	NI	8.21	5.82	10.52	5.64	9.90	NM	NM	NM	NM
EA-108R	1.20	32.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-109D	1.5	33.39	NI	NI	NI	NI	NI	8.26	6.54	10.73	5.62	9.62	NM	NM	NM	NM
EA-112D	2.2	48.06	NI	NI	NI	NI	NI	NI	NI	NI	22.58	24.79	NM	NM	NM	NM
EA-112R	2.5	48.52	NI	NI	NI	NI	NI	NI	NI	NI	22.85	25.90	NM	NM	NM	NM

APPENDIX C1

HISTORICAL SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Stickup (ft AGS)	Elevation Top of Riser (MSL)	Depth to Groundwater (ft TOR)													
			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04
EA-112R2	1.3	46.54	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-113D	2.7	31.42	NI	NI	NI	NI	NI	NI	NI	NI	3.31	7.56	NM	NM	NM	NM
EA-113R	1.50	29.31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-114D	2.30	32.03	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.06	NM	NM	NM	NM
EA-114R	1.50	31.67	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-116D	1.60	45.51	NI	NI	NI	NI	NI	NI	NI	NI	NI	23.64	NM	NM	NM	NM
EA-116R	1.00	44.15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-116R2	1.50	45.58	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
ME-1	1.5	32.27	NM	6.63	7.50	11.68	NM	7.59	NM	NM	NM	9.11	NM	NM	NM	NM
ME-2	2.1	37.31	NM	12.69	13.04	16.95	NM	13.37	NM	NM	NM	NM	NM	NM	NM	NM
ME-3	1.5	34.90	NM	8.61	9.64	14.44	NM	10.08	NM	NM	NM	NM	NM	NM	NM	NM
ME-4	1.6	34.63	NM	9.51	10.36	15.17	NM	11.06	NM	NM	NM	NM	NM	NM	NM	NM
NMW-1	1.7	34.23	NM	7.00	8.66	13.05	NM	8.75	NM	11.27	NM	10.39	NM	NM	NM	NM
NMW-2	1.7	35.08	NM	NM	9.54	14.00	NM	9.72	NM	12.77	NM	10.90	NM	NM	NM	NM
NMW-3	1.9	35.01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
NMW-4	1.9	32.59	NM	6.30	7.11	11.62	NM	7.36	NM	NM	NM	NM	NM	NM	NM	NM

NOTE:
NM = Not measured
ft AGS = Feet above ground surface
MSL = Mean sea level
TOR = Top of riser

APPENDIX C2

HISTORICAL SUMMARY OF GROUNDWATER SURFACE ELEVATIONS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Stickup (ft AGS)	Elevation Top of Riser (MSL)	Elevation of Groundwater Surface (MSL)													
			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04
NETW	0.1	32.23	15.55	18.10	NM	NM	16.28	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW01-05S	2.5	35.26	15.68	18.15	18.00	15.63	16.06	NM	NM	16.24	NM	17.90	NM	NM	NM	NM
MW01-06S	-0.3	33.69	16.11	18.66	18.57	16.04	16.48	NM	NM	NM	NM	20.15	NM	NM	NM	NM
MW01-07S	1.0	33.92	16.16	18.90	18.73	16.03	16.72	NM	NM	NM	NM	18.72	NM	NM	NM	NM
MW01-08D	-0.6	37.50	NI	NI	NI	NI	18.23	NM	21.42	NM	21.56	20.80	NM	NM	NM	NM
MW01-09D	-0.5	39.18	NI	NI	NI	NI	17.30	NM	19.62	17.66	19.82	19.82	NM	NM	NM	NM
MW01-10S	1.5	42.73	NI	NI	NI	NI	19.36	NM	NM	19.84	NM	22.65	NM	NM	NM	NM
MW01-11D	-0.3	38.98	NI	NI	NI	NI	15.70	NM	17.98	16.04	18.32	17.81	NM	NM	NM	NM
MW01-12S	-0.3	36.01	NI	NI	NI	NI	16.86	NM	NM	17.10	NM	19.17	NM	NM	NM	NM
MW01-12D	-0.4	35.96	NI	NI	NI	NI	16.90	NM	19.94	17.19	20.22	19.05	NM	NM	NM	NM
MW01-13S	1.3	25.99	NI	NI	NI	NI	10.01	NM	NM	10.14	NM	10.34	NM	NM	NM	NM
MW01-13R	1.80	26.74	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
MW01-14S	1.2	37.38	NI	NI	NI	NI	13.23	NM	NM	13.43	NM	14.03	NM	NM	NM	NM
MW02-01S	2.2	39.80	17.92	20.59	20.54	18.10	17.20	NM	NM	18.52	NM	NM	NM	NM	NM	NM
MW02-02S	2.8	43.42	13.87	17.41	17.39	14.75	15.20	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW02-03S	3.1	42.61	15.47	17.34	17.30	15.42	15.11	NM	NM	15.90	NM	17.47	NM	NM	NM	NM
MW02-04S	-0.3	38.19	18.45	19.72	19.77	17.65	18.59	NM	NM	19.06	NM	20.09	NM	NM	NM	NM
MW02-05S	-0.3	38.17	17.58	19.88	19.94	17.81	17.80	NM	NM	18.21	NM	20.25	NM	NM	NM	NM
MW02-06S	-0.4	36.98	17.53	19.78	19.87	NM	17.74	NM	NM	18.19	NM	20.15	NM	NM	NM	NM
MW02-08S	-0.3	38.64	17.59	19.94	20.02	17.84	17.75	NM	NM	18.15	NM	20.28	NM	NM	NM	NM
MW02-09S	-0.6	37.93	17.93	20.43	20.47	18.18	18.19	NM	NM	18.69	NM	20.72	NM	NM	NM	NM
MW02-10S	-0.6	37.01	17.39	19.63	19.69	17.60	17.56	NM	NM	17.97	NM	19.98	NM	NM	NM	NM
MW02-10D	-0.4	37.36	17.27	19.56	19.59	17.51	17.50	NM	19.96	17.89	19.15	19.88	NM	NM	NM	NM
MW02-11S	2.2	40.22	16.92	18.95	18.96	17.11	17.04	NM	NM	17.47	NM	19.27	NM	NM	NM	NM
MW03-01S	-0.4	36.61	18.41	21.31	21.31	18.73	19.14	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW03-02S	2.2	38.37	18.42	21.40	21.39	18.78	18.73	NM	NM	19.23	NM	21.54	NM	NM	NM	NM

APPENDIX C2

HISTORICAL SUMMARY OF GROUNDWATER SURFACE ELEVATIONS
SITE 03 - CONSTRUCTION EQUIPMENT DEPARTMENT
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

Well Number	Stickup (ft AGS)	Elevation Top of Riser (MSL)	Elevation of Groundwater Surface (MSL)													
			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04
MW03-02D	2.4	38.57	18.44	21.36	21.32	18.69	18.68	21.25	21.53	NM	22.15	21.43	NM	NM	NM	NM
MW03-03S	2.0	38.36	18.61	21.52	21.48	18.85	18.88	NM	NM	19.38	NM	21.70	NM	NM	NM	NM
MW03-04S	-0.5	37.24	18.27	21.13	21.13	18.60	18.52	NM	NM	NM	NM	21.23	NM	NM	NM	NM
MW03-05S	-0.5	37.89	18.31	20.97	20.98	18.54	18.51	NM	NM	19.03	NM	21.13	NM	NM	NM	NM
MW03-06D	2.2	38.19	19.06	22.06	21.94	19.10	19.33	22.03	22.88	19.74	22.95	21.98	NM	NM	NM	NM
MW03-07D	2.3	35.41	19.34	22.51	22.34	19.31	NM	22.46	23.20	20.09	23.42	22.31	NM	NM	NM	NM
MW03-11S	1.4	30.98	NI	NI	NI	NI	NI	NI	NI	NI	NI	21.22	NM	NM	NM	NM
MW03-11R	1.4	31.02	NI	NI	22.45	19.14	NM	22.48	NM	20.24	NM	21.95	NM	NM	NM	NM
MW03-12D	1.6	36.11	NI	NI	24.06	20.20	NM	23.77	25.49	20.69	25.73	23.27	NM	NM	NM	NM
MW03-12R	2.0	36.21	NI	NI	23.81	19.99	NM	23.60	NM	21.05	25.56	22.83	NM	NM	NM	NM
MW03-13D	2.4	32.56	NI	NI	23.30	19.74	NM	23.28	24.64	20.70	24.75	22.78	NM	NM	NM	NM
MW03-13R	2.3	32.38	NI	NI	23.04	19.67	NM	23.22	NM	20.62	24.82	22.42	NM	NM	NM	NM
MW03-14D	1.6	34.00	NI	NI	25.02	20.64	NM	24.73	26.95	22.05	27.53	23.99	NM	NM	NM	NM
MW03-14R	1.7	33.98	NI	NI	25.03	20.61	NM	24.73	NM	22.12	27.92	24.25	NM	NM	NM	NM
MW03-14R2	1.50	33.35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
MW-Z3-03D	1.9	40.00	NI	NI	NI	NI	NI	NM	20.74	17.41	20.74	20.21	NM	NM	NM	NM
MW-Z4-01	1.9	40.77	NI	NI	NI	NI	NI	NM	18.01	16.95	18.42	17.89	NM	NM	NM	NM
MW-Z4-02	2.2	34.18	NI	NI	NI	NI	NI	NM	NM	NM	18.24	17.46	NM	NM	NM	NM
RMW-01S	-0.4	38.20	NM	NM	19.57	17.04	18.65	NM	NM	18.71	NM	18.95	NM	NM	NM	NM
RMW-01I	0.8	38.20	NM	NM	19.51	17.24	18.97	NM	NM	NM	NM	19.05	NM	NM	NM	NM
RMW-01D	1.1	38.26	NM	NM	18.92	16.85	18.45	NM	20.36	NM	20.61	18.65	NM	NM	NM	NM
RMW-02S	1.7	25.50	NM	NM	17.02	14.35	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RMW-02D	1.9	25.55	NM	NM	17.09	14.44	NM	NM	19.55	NM	19.99	NM	NM	NM	NM	NM
RMW-03S	1.7	16.67	NM	NM	12.98	10.04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RMW-03D	2.0	16.82	NM	NM	13.46	9.92	NM	NM	NM	NM	15.01	NM	NM	NM	NM	NM
PGU-Z2-07	2.44	29.49	NI	NI	NI	NM	NM	NM	NM	NM	24.54	NM	NM	NM	NM	NM

APPENDIX C2

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NORTH KINGSTOWN, RHODE ISLAND

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PGU-Z2-08D	2.52	27.70	NI	NI	NI	NM	NM	NM	NM	NM	19.48	18.28	NM	NM	NM	NM
PGU-Z3-1	2.33	43.49	NI	NI	NI	20.40	NM	23.84	NM	20.84	26.20	24.00	NM	NM	NM	NM
PGU-Z3-2	2.56	42.35	NI	NI	NI	19.12	19.15	NM	NM	19.52	23.54	22.34	NM	NM	NM	NM
PGIJ-Z3-3S	2.51	15.41	NI	NI	NI	3.37	4.17	NM	NM	4.04	NM	4.02	NM	NM	NM	NM
PGU-Z3-3D	2.41	15.19	NI	NI	NI	3.64	4.49	NM	NM	NM	5.49	4.41	NM	NM	NM	NM
PGU-Z3-5	2.41	37.52	NI	NI	NI	18.60	NM	NM	NM	19.35	22.01	21.22	NM	NM	NM	NM
PGU-Z3-6	2.45	40.73	NI	NI	NI	17.90	17.92	NM	NM	19.40	20.51	20.20	NM	NM	NM	NM
PGU-Z3-7S	2.27	31.66	NI	NI	NI	17.11	NM	NM	NM	NM	NM	18.79	NM	NM	NM	NM
PGU-Z3-7D	2.29	31.89	NI	NI	NI	17.09	NM	NM	NM	NM	19.24	18.79	NM	NM	NM	NM
PGU-Z3-8	2.38	40.49	NI	NI	NI	15.66	15.80	NM	NM	16.13	18.03	17.44	NM	NM	NM	NM
PGU-Z3-9S	2.45	20.31	NI	NI	NI	8.14	NM	NM	NM	9.75	NM	10.17	NM	NM	NM	NM
PGU-Z3-9D	2.59	20.21	NI	NI	NI	7.39	NM	NM	NM	NM	11.94	9.22	NM	NM	NM	NM
PGU-Z3-10S	2.42	42.80	NI	NI	NI	14.56	NM	NM	NM	NM	NM	16.56	NM	NM	NM	NM
PGU-Z3-10D	2.54	42.79	NI	NI	NI	14.57	NM	NM	NM	NM	17.72	16.47	NM	NM	NM	NM
PGU-Z3-11	2.42	27.43	NI	NI	NI	16.58	NM	NM	NM	NM	19.53	18.16	NM	NM	NM	NM
PGU-Z4-01	2.18	38.14	NI	NI	NI	NI	NI	NI	NI	NI	17.92	15.26	NM	NM	NM	NM
PGU-Z4-02	2.15	31.44	NI	NI	NI	NI	NI	NI	NI	NI	17.82	NM	NM	NM	NM	NM
PGU-Z4-03S	-0.13	26.17												0.00	NM	NM
PGU-Z4-03D	-0.48	25.87	NI	NI	NI	NI	NI	NI	NI	NI	13.90	12.62	NM	NM	NM	NM
EA-101	1.5	32.29	NI	NI	NI	NI	NI	24.90	27.19	22.09	27.67	23.94	NM	NM	NM	NM
EA-102	1.4	33.37	NI	NI	NI	NI	NI	25.05	27.30	NM	NM	23.99	NM	NM	NM	NM
EA-103	1.6	35.13	NI	NI	NI	NI	NI	24.67	26.98	21.68	27.41	23.98	NM	NM	NM	NM
EA-104	1.5	37.40	NI	NI	NI	NI	NI	24.18	26.25	21.16	26.59	23.97	NM	NM	NM	NM
EA-104R	1.70	37.54	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-105	1.3	31.95	NI	NI	NI	NI	NI	24.29	26.73	22.56	27.24	22.99	NM	NM	NM	NM
EA-105R	1.60	31.15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM

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FORMER NCBC DAVISVILLE
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			11/30/94-12/1/94	4/27/95	5/31/95-6/2/95	10/3/95	11/17/95	7/18/96	12/1/96	12/1/97	2/1/98	7/26/00-7/28/00	11/14/01	12/13/02	1/21/03	2/9/04
EA-106D	1.3	33.17	NI	NI	NI	NI	NI	24.84	27.37	21.58	28.06	24.32	NM	NM	NM	NM
EA-106R	2.3	33.84	NI	NI	NI	NI	NI	NI	NI	NI	28.25	NA	NM	NM	NM	NM
EA-107D	1.5	31.34	NI	NI	NI	NI	NI	23.38	25.68	22.21	25.82	22.08	NM	NM	NM	NM
EA-107R	1.30	30.37	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-108D	1.3	33.50	NI	NI	NI	NI	NI	25.29	27.68	22.98	27.86	23.60	NM	NM	NM	NM
EA-108R	1.20	32.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-109D	1.5	33.39	NI	NI	NI	NI	NI	25.13	26.85	22.66	27.77	23.77	NM	NM	NM	NM
EA-112D	2.2	48.06	NI	NI	NI	NI	NI	NI	NI	NI	25.48	23.27	NM	NM	NM	NM
EA-112R	2.5	48.52	NI	NI	NI	NI	NI	NI	NI	NI	25.67	22.62	NM	NM	NM	NM
EA-112R2	1.3	46.54	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-113D	2.7	31.42	NI	NI	NI	NI	NI	NI	NI	NI	28.11	23.86	NM	NM	NM	NM
EA-113R	1.50	29.31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-114D	2.3	32.03	NI	NI	NI	NI	NI	NI	NI	NI	NI	22.97	NM	NM	NM	NM
EA-114R	1.50	31.67	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-116D	1.60	45.51	NI	NI	NI	NI	NI	NI	NI	NI	NI	21.87	NM	NM	NM	NM
EA-116R	1.00	44.15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
EA-116R2	1.50	45.58	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NM	NM	NM	NM
ME-1	1.5	32.27	NM	25.64	24.77	20.59	NM	24.68	NM	NM	NM	23.16	NM	NM	NM	NM
ME-2	2.1	37.31	NM	24.62	24.27	20.36	NM	23.94	NM	NM	NM	NM	NM	NM	NM	NM
ME-3	1.5	34.90	NM	26.29	25.26	20.46	NM	24.82	NM	NM	NM	NM	NM	NM	NM	NM
ME-4	1.6	34.63	NM	25.12	24.27	19.46	NM	23.57	NM	NM	NM	NM	NM	NM	NM	NM
NMW-1	1.7	34.23	NM	27.23	25.57	21.18	NM	25.48	NM	22.96	NM	23.84	NM	NM	NM	NM
NMW-2	1.7	35.08	NM	NM	25.54	21.08	NM	25.36	NM	22.31	NM	24.18	NM	NM	NM	NM
NMW-3	1.9	35.01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
NMW-4	1.9	32.59	NM	26.29	25.48	20.97	NM	25.23	NM	NM	NM	NM	NM	NM	NM	NM

NOTE:
NM = Not measured
ft AGS = Feet above ground surface
MSL = Mean sea level
TOR = Top of riser

APPENDIX D

INSTITUTIONAL CONTROL CHECKLIST

INSTITUTIONAL CONTROL INSPECTION CHECKLIST
for LAND USE CONTROL AND IMPLEMENTATION PLAN
PARCEL 7, ZONE 3

(Includes Study Areas 01 and 04, and Sites 02, 03, and 16)

A. Annual Certification:

Name: DAVID BARNES

Affiliation: BRAC / PROGRAM MANAGEMENT OFFICE NORTHEAST

Signature: [signature]

Date: 6/28/06

B. Documentation Inspection:

Inspect documentation to ensure no permits have been issued to change the use of the Site, build residential units, or install ground-water supply wells, including the following:

	ITEM	CIRCLE ONE	COMMENTS*
1	Any related notice(s) filed with the Town of North Kingstown, RIDC, and RIDEM?	Yes or No	
2	Any related building permits found? STATE of RI	Yes or No	Demolition permit filed w/ Building Commissioner
3	Any related Department of Public Works Permits found?	Yes or No	
4	Any related Zoning permits or variances found?	Yes or No	
5	Any related Conservation Commission findings, proposals, or notices of intent found?	Yes or No	

C. Physical On-Site Inspection:

Name: STEPHEN VETERE

Affiliation: TETRA TECH NUS

Signature: Stephen Vetere

Date: 6/9/06

	ITEM	CIRCLE ONE	COMMENTS*
1	Land-Use Condition; i.e. Residential-Use Buildings Present?	Yes or No	
2	Evidence of any ground-water supply wells?	Yes or No	
3	Weather Conditions?	Overcast, 60° F	

* If the answer to a question is 'Yes', use the 'Comments' column to explain, e.g. list type(s) and name(s) of notices, permits, variances, notices of intent found; describe the type and location of where a residential-use building or ground-water supply well was observed.