GSA SITE INSPECTION

HARDESTY FEDERAL COMPLEX
601-607 HARDESTY AVENUE
KANSAS CITY, JACKSON COUNTY, MISSOURI

Terracon Project No. 02027042
November 4, 2002

Prepared for:

UNITED STATES GENERAL SERVICES ADMINISTRATION
Kansas City, Missouri

Prepared by:

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November 4, 2002

United States General Services Administration
1500 East Bannister Road
Kansas City, Missouri 64131-3088

Attn: Mr. Dave L. Hartshorn (6PEF)

Re: GSA Site Inspection
Hardesty Federal Complex
601-607 Hardesty Avenue
Kansas City, Jackson County, Missouri 64116
EPA Region 7
EPA ID No. MON000703320
GSA Order No. GS-06P-02-GXM-0004
Terracon Project No. 02027042

Dear Mr. Hartshorn:

Terracon, Inc. presents to the United States General Services Administration (GSA) this Site Inspection (SI) for the Hardesty Federal Complex, Kansas City, Missouri. This document was prepared for use by GSA in evaluating environmental conditions of the property relative to future transfer of this federal property.

The GSA has also conducted a Preliminary Assessment (PA) for the Hardesty Federal Complex, Kansas City, Missouri. The PA is reported under separate cover. GSA identified environmental concerns relative to the site which warranted conducting an SI, inclusive of sampling and testing.

The SI was developed using United States Environmental Protection Agency (EPA) guidance. The SI also discusses non-CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) elements, such as petroleum, within the context of project-specific use to support transfer to private or public benefit entities. GSA has conducted the SI to facilitate property transfer. The SI serves as an informational baseline for decision-making amongst parties, specifically;

- Prudent due diligence by GSA as the landholding federal agency in protecting public health and the environment.

- A limited-scope assessment by GSA to collect and assemble readily available information about the federal property for use with the Region 7 EPA and the Missouri Department of Natural Resources (MDNR).

The PA was based on a visual survey of the subject site, a reconnaissance of adjoining properties, interviews with individuals knowledgeable about the subject site, a regulatory records review, project-specific research, review of subsequent documents provided by GSA in 2002 and a review of site use history. The SI was conducted on the basis of PA findings.

This report contains methods, observations, conclusions, and recommendations made relative to the site. Please read the report carefully for details.

GENERAL COMMENTS

The analysis presented in this SI is based upon data obtained from information discussed. This report does not reflect any variations in information which may yet be undiscovered. Actual conditions may vary.

Terracon is not an EPA contractor. This document does not purport to constitute an SI by EPA. This document is prepared for the exclusive use of our client GSA for the specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices generally consistent with EPA guidance. No warranties, either express or implied are intended or made. In the event any changes in conditions as outlined in this plan are observed, the conclusions contained in this document cannot be considered valid unless the changes are reviewed and the conclusions of this document are modified or verified in writing by the environmental professional.

We appreciate the opportunity to be of service to GSA on this project and look forward to working with you in the future. If there are questions concerning the report, or if we may be of further assistance, please call.

Sincerely,

Terracon

Tracie A. Ragland

Tracie A. Ragland
Environmental Scientist

For David E. Koch, Principal
Senior Project Manager

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TABLE OF CONTENTS

Page No.

1. **INTRODUCTION AND APPLICATION** **1**
   - 1.1 GSA Property Disposal 1
   - 1.2 Site Inspection 1
   - 1.3 Project-Specific Approach 2
   - 1.4 Project-Specific Technical Application 3

2. **SITE DESCRIPTION** **3**
   - 2.1 Location 3
   - 2.2 Site Description 3
   - 2.3 Operational History 4
   - 2.4 Potential Sources of Concern 5

3. **WASTE CHARACTERISTICS SAMPLING** **6**
   - 3.1 Sample Locations 6
   - 3.2 Analytical Results 8
   - 3.3 Conclusions 9

4. **GROUNDWATER PATHWAY** **9**
   - 4.1 Hydrogeology 9
   - 4.2 Targets 10
   - 4.3 Sample Locations 11
     - 4.3.1 February 2002 Sampling Event 12
     - 4.3.2 June and July 2002 Sampling Event 12
     - 4.3.3 October 2002 Sampling Event 15
   - 4.4 Analytical Results 16
     - 4.4.1 February 2002 Sampling Event – Analytical Results 16
     - 4.4.2 June and July 2002 Sampling Event – Analytical Results 17
     - 4.4.3 October 2002 Sampling Event – Analytical Results 18
   - 4.5 Conclusions 19

5. **SURFACE WATER PATHWAY** **19**
   - 5.1 Hydrology 19
   - 5.2 Targets 19
   - 5.3 Conclusions 22

TABLE OF CONTENTS (cont.)

6. SOIL EXPOSURE AND AIR PATHWAYS 23

6.1 Physical Conditions 23

6.2 Soil and Air Targets 23

6.3 Soil Sample Locations 24

6.4 Soil Analytical Results 25

6.5 Air Monitoring 26

6.6 Conclusions 26

7. SUMMARY AND CONCLUSIONS 26

8. REFERENCES 29

APPENDICES

APPENDIX A Table 1: Sample Collection Data
Table 2: Analytical Results for Sand Samples, February 2002
Table 3: Analytical Results for Dust Wipe Samples, February 2002
Table 4: Analytical Results for Ash Samples, February 2002
Table 5: Analytical Results for Groundwater Samples, February 2002
Table 6: RCRA Metals Analytical Results for Groundwater Samples, June 2002
Table 7: VOC Analytical Results for Groundwater Samples, June 2002
Table 8: VOC Analytical Results for Groundwater Samples, July 2002
Table 9: VOC Analytical Results for Groundwater Samples, October 2002
Table 10: Analytical Results for Soil Samples, February 2002

APPENDIX B Soil Boring Logs

APPENDIX C Figure 1: Topographic Map
Figure 2: Site Layout Map
Figure 3: Source Sampling Locations – Sand
Figure 4: Source Sampling Locations – Dust Wipes
Figure 5: Source Sampling Locations – Ash
Figure 6: Probe Locations, February, June, and July 2002
Figure 7: Probe Locations, October 2002
Figure 8: Groundwater PCA Analytical Results Above Action Levels
Figure 9: Groundwater TCA Analytical Results Above Action Levels
Figure 10: Groundwater PCE Analytical Results Above Action Levels
Figure 11: Groundwater TCE Analytical Results Above Action Levels
Figure 12: Groundwater DCE Analytical Results Above Action Levels

Appendix D

- Reference 1: SOP to Determine Site Latitude and Longitude Coordinates, EPA, Sep 1991.
- Reference 2: Average Temperatures at Kansas City Municipal Airport.
- Reference 3: Normal Monthly Precipitation (inches).
- Reference 4: Field Log for Preliminary Assessment Reconnaissance of the Hardesty Federal Complex, 28 Nov 2001, Terracon.
- Reference 5: Site Photographs.
- Reference 6: Sanborn Map Report for 601 Hardesty Avenue, Kansas City, MO (cover sheet only).
- Reference 7: MDNR Initial Site Screening, Kansas City Records Center, dtd 11 Sep 2000 (cover sheet only).
- Reference 8: Phase I ESA, Hardesty Federal Center, 607 Hardesty Avenue, Kansas City, MO, Terracon rpt dtd 19 Aug 1999 (cover sheet only).
- Reference 9: Terracon ltr dtd 11 Nov 1999 (cover sheet only).
- Reference 10: Quantem Laboratories rpt dtd 22 Feb 2000 (cover sheet only).
- Reference 11: Completion Report Covering Construction and Completion of Clothing Renovating Plant at Kansas City Quartermaster Depot for Chemical Warfare Service, rpt dtd 1941 (cover sheet only).
- Reference 12: Hardesty plan for Site Improvements & Handicapped Facilities, dtd May 1983 (partial sheet only).
- Reference 13: Terracon Interview Record for 601 - 607 Hardesty Preliminary Assessment rpt dtd 5 Dec 2001 (cover sheet only).
- Reference 14: Notification of Regulated Waste Activity for Federal Aviation Administration (cover sheet only).
- Reference 15: Notice of Violation #4974, MDNR ltr to Federal Aviation Administration, dtd 16 Mar 2001 (cover sheet only).
- Reference 16: Response to Notice of Violation #4974, Federal Aviation Administration ltr dtd 19 Apr 2001 (cover sheet only).
- Reference 17: Notice of Violation #4974, MDNR ltr to Federal Aviation Administration, dtd 18 May 2001 (cover sheet only).
- Reference 18: Generator's Hazardous Waste Summary Report - Part I, Federal Aviation Administration rpt dtd 2 Mar 1999 (cover sheet only).
- Reference 19: Notification of Regulated Waste Activity for Marine Corps Reserve Support (cover sheet only).
- Reference 20: 607 Hardesty Master Plan (partial sheet only).
- Reference 21: Soil Survey of Jackson County, Missouri; USDA rpt (cover sheet only).
- Reference 22: The EDR Radius Atlas with GeoCheck, Environmental Data Resources rpt dtd 30 Nov 2001 (cover sheet only).
- Reference 23: Former Building UST Closure Assessment Report, Federal Center, 607 Hardesty Avenue, Kansas City, MO; Cape Environmental rpt dtd Jun 2000 (cover sheet only).
- Reference 24: Former USTs Site Characterization Draft Report, Federal Center, 607 Hardesty Avenue, Kansas City, MO; Cape Environmental rpt dtd Apr 2001 (cover sheet only).

- Reference 25: Terracon Interview Record for 601- 607 Hardesty Preliminary Assessment rpt dtd dtd 5 Dec 2001.
- Reference 26: Schematic Layout of Pump Stations, Meters, Feeder Mains, and Reservoirs; Water and Pollution Control, Dept. Engineering Services, City of Kansas City, Missouri (Dwg. 5785); dwg dtd 13 May 1994 (partial sheet only).
- Reference 27: MDNR fax to Terracon re well search, dtd 4 Jan 2002.
- Reference 28: U.S. Geologic Survey 7.5-minute topographic quadrangle maps.
- Reference 29: Flood Hazard Map, ESRI/FEMA dtd 18 Dec 2001.
- Reference 30: Terracon Phone Conversation Record for 601- 607 Hardesty Preliminary Assessment rpt dtd 21 Dec 2001.
- Reference 31: U.S. Department of the Interior, Fish and Wildlife Service, National Wetlands Inventory.
- Reference 32: MDNR ltr to Terracon dtd 19 Dec 2001 re species of conservation concern.
- Reference 33: Census Area Profile, Hardesty & Independence - 0 to 1 Mile Radius; City Planning and Development Department, City of Kansas City, Missouri; rpt dtd 26 Nov 2001.
- Reference 34: Terracon Note Record for 601- 607 Hardesty Preliminary Assessment rpt dtd 26 Nov 2001.
- Reference 35: Terracon Phone Conversation Record for 601- 607 Hardesty Preliminary Assessment rpt dtd 30 Nov 2001.
- Reference 36: "Endangered/Threatened Species and Fisheries Information Request," Terracon ltr to U.S. Fish and Wildlife Service dtd 3 Dec 2001.
- Reference 37: Oil-Filled Electrical Equipment Inventory Report, GSA rpt dtd 14 Jan 2002
- Reference 38: Asbestos Inventory Report, GSA rpt dtd 13 Feb 2002.
- Reference 39: Terracon Interview Record for 601- 607 Hardesty Site Inspection, rpt dtd 4 Mar 2002.
- Reference 40: TestAmerica analytical reports.
- Reference 41: MDNR Cleanup Levels for Missouri (CALM), Tier 1 Soil and Groundwater Cleanup Standards; dtd 1 Sep 2001 Update (cover sheet only).
- Reference 42: Terracon Lead Sample Log, rpt dtd 19 Feb 2002.
- Reference 43: Site photographs.

GSA SITE INSPECTION

HARDESTY FEDERAL COMPLEX
601-607 HARDESTY AVENUE
KANSAS CITY, JACKSON COUNTY, MISSOURI

Terracon Project No. 02027042
November 4, 2002

1. INTRODUCTION AND APPLICATION

The United States General Services Administration (GSA) has conducted a Preliminary Assessment (PA) for the Hardesty Federal Complex, Kansas City, Missouri. The PA is reported under separate cover. GSA identified environmental concerns relative to the site which warranted conducting a Site Inspection (SI), inclusive of sampling and testing.

GSA has determined the Hardesty Federal Complex to be excess property surplus to Federal needs. GSA proposes to dispose of this Federal property to non-federal private or public entities. Historical information indicated that environmental impairment, including petroleum impacts, has occurred. GSA could, as one option transfer the property to non-federal entities prior to cleanup. This involves cooperative multi-agency participation of GSA, United States Environmental Protection Agency (EPA), and Missouri Department of Natural Resources (MDNR).

The EPA required a PA to be conducted on the basis of available information. The SI was conducted on the basis of PA findings. GSA elected to conduct the SI as the Federal landholding agency to facilitate information gathering for use by agencies. This SI provides baseline information usable by both Federal and State regulatory agencies to cooperatively facilitate future transfer of the Hardesty Federal Complex.

1.1 GSA Property Disposal

GSA disposes of real property (land and buildings) and personal property (furniture, computers, equipment, vehicles, etc.) held by Federal agencies. Once a Federal agency determines it has unneeded property, that property is declared to be excess property. It is available for transfer to any other Federal agency. If no agencies want the excess property, it is declared surplus to Federal needs. It may then be donated to state or local governments or selected non-profit organizations, or it may be sold through public auctions.

Federal agencies still cannot divest themselves of their obligation to provide for protection of public health and the environment from impaired property.

1.2 Site Inspection

Site Inspection identifies sites that enter the NPL (National Priorities List) Site Listing Process and provides the data needed for Hazard Ranking System (HRS) scoring (Introduction to the HRS) and documentation. SI investigators typically collect environmental and waste samples to determine what hazardous substances are present at a site. They determine if these

substances are being released to the environment and assess if they have reached nearby targets. The SI can be conducted in one stage or two. The first stage, or focused SI, tests hypotheses developed during the PA and can yield information sufficient to prepare an HRS scoring package. This SI consists of a series of historical and current studies, but represents a focused SI by GSA in the context of the current project.

If further information is necessary to document an HRS score, an expanded SI can be conducted. The EPA publication Guidance for Performing Site Inspections Under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act); Interim Final, September 1992, (NTIS PB92-963375, EPA 9345.1-05) provides guidance on conducting expanded SIs.

Information collected during the PA and SI is used to calculate an HRS score. Sites with an HRS score of 28.50 or greater are eligible for listing on the NPL and require the preparation of an HRS scoring package.

1.3 Project-Specific Approach

EPA required a PA on the Hardesty Federal Complex on the basis of available information specifically based on issues related to historical paint waste handling by a former tenant of Building 6. In the course of developing the PA scope, the assessment effort was expanded by GSA to address other issues, including petroleum.

GSA managed the PA and SI process as the federal landholder. Although the PA and SI were developed using EPA guidance, they discuss non-CERCLA elements (e.g., petroleum). This is within the context of project-specific use to support transfer to private or public benefit entities. Terracon understands that GSA has conducted the PA and SI to provide an informational baseline for decision-making amongst parties, specifically;

- Prudent due diligence by GSA as the landholding federal agency in protecting public health and the environment.
- A limited-scope assessment by GSA to collect and assemble readily available information about the federal property for use with the Region 7 EPA and the MDNR.
- The inclusion of non-CERCLA elements of study to facilitate a future closure as part of redevelopment via State-level programs and MDNR.

In a strict CERCLA application, the PA and SI would result in formal scoring by the EPA. GSA does not intend to score the site until after preliminary review by EPA and MDNR. Terracon understands from the September 27, 2002 project meeting with agencies at the Bannister Complex that federal and state agencies will review the PA and SI information before final scoring. In the course of evaluation and checking data gaps in the report, GSA through Terracon developed a draft site scoring based on available information and PA data collection. The preliminary scoring was develop using EPA's "HRS QuickScore," software Version 1.1. "Federal Register / Vol. 55, No. 241. / Friday, December 14, 1990 / Rules and Regulations, Appendix A to Part 300 - The Hazard Ranking System" (Federal Register) was followed to

properly enter site-specific data into HRS QuickScore. The draft scoring has been delivered to GSA under separate cover as raw data. The draft scoring is preliminary in nature, provided only for purposes of GSA planning and is not binding relative to CERCLA.

1.4 Project-Specific Technical Application

The GSA through Terracon has conducted an SI generally consistent with the guidance of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), at the Hardesty Federal Complex in Kansas City, Jackson County, Missouri. Terracon conducted the SI using as specific guidance the EPA "1992 Guidance for Performing Site Inspections Under CERCLA." The purpose of this investigation was to collect information concerning conditions at the Hardesty Federal Complex sufficient to assess the threat posed to human health and the environment, and support site evaluation using the HRS for proposal to the NPL. The investigation included reviewing previous information, sampling waste and environmental media to test PA hypotheses and to evaluate and document HRS factors, and collecting additional non-sampling information. Fifty-two annotated references accompany this SI report. These references have been bound and are presented in the binder labeled PA/SI REFERENCES – Hardesty Federal Complex.

2. SITE DESCRIPTION

2.1 Location

The Hardesty Federal Complex is located at 601-607 Hardesty Avenue in a residential/ commercial area of Kansas City, Jackson County, Missouri, in the central portion of Kansas City (Figure 1). The geographic coordinates are 39° 06' 13.01" N latitude and 94° 31' 05.41" W longitude (Reference 1). The site is southeast of the intersection of Independence and Hardesty Avenues; with the entrance to the site approximately 500 feet south of the intersection.

Jackson County is characterized by a mild, temperate climate. Summers are warm and humid, with daily temperatures reaching 78° Fahrenheit or higher (Reference 2). The winter months are generally mild with daily average temperatures of 32° Fahrenheit (Reference 2). Mean annual precipitation is 38 inches (Reference 3).

2.2 Site Description

The total area of the Hardesty Federal Complex is approximately 18 acres (Reference 4). The Hardesty Federal Complex property is located on relatively flat terrain that slopes gently toward the southeast property boundary (Reference 4). The Hardesty Federal Complex is irregular in shape (Reference 4). The U.S. Government Services Administration (GSA) currently owns the subject site.

As noted in Figure 2, seven buildings are currently located on the Hardesty Federal Complex: Buildings numbered 3, 6, 7, 9, 10, 11, and 13 (each of the buildings were numbered by the GSA). These buildings were empty at the time of the site visit, with the exception of Building 6 which was occupied by the Federal Aviation Administration (FAA). The FAA was in the process of moving out of Building 6 during the site visit. Other buildings previously present at the site had been raised.

The perimeter of the property is fenced by a seven-foot chain-link fence. The fencing appears to be in good condition, and there is a locked entrance gate across the access driveway to the facility from Hardesty Avenue. A secondary entrance to the site from Independence Avenue is also gated and locked. Virtually all of the site is covered with buildings or paved areas, with the exception of a small landscaped/grass-covered area between Buildings 6 and 9 (References 4 and 5).

2.3 Operational History

Based on information obtained from historic Sanborn fire insurance maps, provided by Environmental Data Resources, Inc. (EDR), the site was previously a cultivated field in 1909 (Reference 6). Only the western portion of the site was depicted on the fire insurance maps; maps for the eastern portion of the site were not available for review. By 1920, Buildings 1, 2, and 3, were constructed on the northwest corner of the site (References 6 and 7). Buildings 1 and 2 were one large structure, but were identified by the federal government as two buildings, or as two functional spaces, 1 and 2. Buildings 1 and 2 are not currently considered part of the Hardesty Federal Complex (Reference 4). Buildings 1 and 2 are now part of the northwestern-adjoining property which consists of Megaspace, Ltd., a self-storage facility. Building 3 was identified as an independent electric power facility supporting Buildings 1 and 2 (Reference 6).

The federal government purchased the site, which included Buildings 1, 2, and 3, in 1940. The site was used as the Kansas City Quartermaster Depot during World War II. The Quartermaster Depot officially opened on December 4, 1940 (Reference 45). The function of the Quartermaster Depot was to purchase, store, and issue Quartermaster supplies for posts, camps, and stations in Kansas, Missouri, Arkansas, Nebraska, Oklahoma, Wyoming, South Dakota, and Utah. Part of the mission of the Quartermaster Depot was to receive and store protective and impermeable clothing, laundry and dry-cleaning supplies, inks, lithographic chemicals, petroleum products, petroleum handling equipment; reclaim petroleum containers; impregnate clothing to ward off effects of gas attacks; and procure graphic arts operating supplies and chemicals (Reference 45).

Between 1940 and 1943, 15 additional buildings, for a total of 18 structures, were constructed at the site. Two other buildings were constructed at the site after 1943. The site structures were identified as Buildings 1 through 20. The site was transferred to the GSA on October 1, 1960. Buildings 1 and 2 were sold to Megaspace, Ltd. in 1980, and are no longer considered part of the Hardesty Federal Complex. Buildings 4, 5, 8, 12, 14, 15, 16, 17, 18, 19, and 20 were demolished in the 1970's and 1980's. Various government agencies have used the site buildings for storage since 1960, including the Army Mapping Department, National Weather Service, FAA, U.S. Marines, Department of Energy (DOE), Federal Emergency Management Agency (FEMA), U.S. Army Corps of Engineers (USACE), and the U.S. Postal Service (Reference 7).

Additional waste characteristics for the site are provided in the PA report, dated November 4, 2002.

2.4 Potential Sources of Concern

Based on information obtained and reviewed and detailed in the PA report, dated November 4, 2002, the following potential sources of concern represented a *potential* threat to human health and the environment:

Location	Source	Likelihood of Release	Reference or Justification	Pathway	Sampled as Part of SI Activities
Building 3	Smokestack ash	No	Self-contained area	-----	Yes, to determine waste characteristics
Building 3	One 1,000-gallon diesel UST	No	Reference 24	-----	No, sampled by Cape under UST activity, CERCLA exclusion
Building 3A	One 2,000-gallon fuel oil UST	Yes	Reference 24	Groundwater & soil (SI Sections 4.2 & 6.2)	
Building 3A (approximately the location of former Building 15)	Two 23,000-gallon heating oil USTs	Yes	Reference 24	Groundwater & soil (SI Sections 4.2 & 6.2)	
Building 3A (approximately the location of former Building 12)	One 178,000-gallon heating oil UST	Yes	Reference 24	Groundwater & soil (SI Sections 4.2 & 6.2)	
Building 4	Two 1,000-gallon and one 560-gallon gasoline USTs	Yes	Reference 24	Groundwater & soil (SI Sections 4.2 & 6.2)	
Building 5	Paint house	No	Indications of release in area not observed	-----	No
Building 20	One 1,500-gallon fuel oil UST	No	Reference 24	-----	No
Building 6, former Building 14, and grass covered area	Use of "Impregnate I" and clothing renovation activities, former chemical tanks/pits	Yes	Analytical results of SI, Section 4.4	Groundwater (SI Section 4.2)	Yes
Building 6	Painting activities	Yes	Possible area of disposal between Buildings 6 and 9	Groundwater & soil (SI Sections 4.2 & 6.2)	Yes, sampled for VOCs

Location	Source	Likelihood of Release	Reference or Justification	Pathway	Sampled as Part of SI Activities
Building 6	Circuit board manufacturing	Yes	Possible area of disposal between Buildings 6 and 9	Groundwater & soil (SI Sections 4.2 & 6.2)	Yes, sampled for RCRA Metals
Buildings 9, 10, and 11	Former creek dump	Yes	Reference 45	Groundwater & soil (SI Sections 4.2 & 6.2)	Yes, background sample collected in vicinity of Building 10 and samples collected in vicinity of Building 9
Building 9	Indoor firing range	No	Self-contained area	-----	Yes, to determine waste characteristics
Building 11	Film processing	No	Self-contained area and previous sampling (Reference 9)	-----	No
Building 11	Production of newspaper	No	Indications of release in area not observed	-----	No
Building 13	Transformers	No	Indications of release in area not observed and transformers labeled as non-PCB (Reference 8)	-----	No
Open storage area	Insecticide storage	Yes	Reference 45	Groundwater (SI Sections 4.2 & 6.2)	No, PA information was not obtained until after SI activities were completed
Site wide	Transformers	No	Indications of release in area not observed	-----	No

Cape = Cape Environmental Management, Inc.

PCB = polychlorinated biphenyl

RCRA = Resource Conservation and Recovery Act

UST = underground storage tank

VOCs = volatile organic compounds

3. WASTE CHARACTERISTICS SAMPLING

3.1 Sample Locations

In order to determine if materials observed at the subject site are hazardous, samples of the materials were collected and submitted to an analytical laboratory for analysis. These materials consisted of the bullet stop sand, dust on the walls and floor of the firing range, and smokestack ash. Table 1 presents sample numbers, locations, and objectives for samples collected during the SI. Sixteen waste/source samples were collected at the subject site on February 19, 2002 (Figures 3, 4, and 5):

- Four sand samples were collected from the bullet stop in the firing range located in the basement of Building 9,

- Eight dust wipe samples were collected from the floor and walls of the firing range located in the basement of Building 9, and

- Four confirmation ash samples were collected from the smokestack ash clean-out room located in the basement of Building 3.

A small bullet stop consisting of a curved metal backstop and a sand trap was observed at the base of the firing range in Building 9. What appeared to be spent shell casings were observed within the sand in the bullet stop. The approximate size of the bullet stop was measured during sampling activities to be approximately 18.5 feet long, 5.5 feet wide, and 2 feet deep (Figure 3). The entire contents of the bullet stop appeared to consist of sand, with wood pallets and boards covering the top of the bullet stop (Reference 43). Based on these dimensions, the bullet stop appears to consist of approximately 7.54 cubic yards of sand. The bullet stop appeared to be in good condition with no major breaks or cracks observed along the front of the stop. The sides and the rear of the bullet stop sand trap appeared to abut the south, east, and west walls of the firing range. Sand samples, collected from the surface of the sand down to approximately 4 to 5 inches below the surface of the sand, were placed in unpreserved 4-ounce laboratory-provided containers. One field blank, consisting of distilled water, was collected in a 250-milliliter (ml) laboratory-provided container at the site in the vicinity of the bullet stop. The field blank sample was collected during source sampling activities to test for contamination possibly introduced by sample containers and preservatives.

Eight dust wipe samples were collected from the floor and wall surfaces within the firing range area to be analyzed for lead using lead-free Ghost Wipes. A 1-foot square plastic template was placed on the floor and taped to the walls for sample collection (Reference 43). The Ghost Wipes were wiped within the 1-foot square area. The wipes were then placed in 50-ml plastic centrifuge tubes. The approximate dimensions of the floor of the firing range are 18.5 feet wide and 91.8 feet long from the entrance to the front of the base of the bullet stop. The approximate dimensions of the two walls of the firing range from which wipe samples were collected are 97.3 feet long (to the rear of the bullet stop) and 25 feet tall (Figure 4). Dust wipe samples were collected from the east and west walls. Access to the south wall was not accessible due to the presence of the bullet stop; the north "wall" consists of a chain-link gate. The floor in the firing range appeared to consist of concrete. The walls of the firing range appeared to consist of painted concrete blocks.

The smokestack ash clean-out room in Building 3 appeared to be hexagonal in shape, and approximately 10.5 feet in diameter (Figure 5). The sides of the clean-out room appeared to consist of brick. The floor of the clean-out room was not observable due to the presence of the ash. As a result, an accurate estimate of the quantity of the ash could not be made. However, approximately 3 to 4 feet of ash appeared to be present on the floor of the entry way to the clean-out room (Reference 43). Based on this observation, approximately 9.5 cubic yards to 13 cubic yards of ash may be present in the clean-out room. Ash samples, collected from the surface of the ash down to approximately 4 to 5 inches below the surface of the ash, were placed in unpreserved 16-ounce laboratory-provided containers. One field blank, consisting of

distilled water, was collected in a 250-ml laboratory-provided container at the site in the vicinity of the clean-out room. The field blank sample was collected during source sampling activities to test for contamination possibly introduced by sample containers and preservatives.

3.2 Analytical Results

The sand samples collected from the bullet stop of the firing range were submitted to Test America, Inc. in Nashville, Tennessee for TCLP lead analysis using EPA Method 6010B. TCLP analysis was performed to determine proper disposal methods for the sand. According to laboratory analytical results, lead was detected in the sand samples at concentrations ranging from 554 milligrams per liter (mg/l) to 610 mg/l (Reference 40). Lead was not detected above the laboratory reporting limit of 0.500 mg/l in the field blank. The EPA TCLP regulatory level for lead is 5 mg/l. Based on these analytical results, the sand in the bullet stop is considered a characteristic hazardous waste. Table 2 presents the laboratory analytical results for the sand samples.

The dust wipe samples collected from the floor and walls in the firing range were submitted to IATL in Mt. Laurel, New Jersey for lead dust wipe analysis using ASTM (American Society of Testing and Materials) D3335-85a. Lead analysis was performed to assess lead concentrations of dust which had accumulated on the floors and walls. According to laboratory analytical results, lead was detected in the dust wipe samples collected from the floor at concentrations ranging from 2,400 micrograms per square foot (ug/ft^2) to 92,000 ug/ft^2 (Reference 42). According to laboratory analytical results, lead was detected in the dust wipe samples collected from the walls at concentrations ranging from 10 ug/ft^2 to 1,300 ug/ft^2. According to Dave Hartshorn with the GSA, the buildings at the subject site may be used in the future by the adjoining property owner, Megaspace, Ltd., for use as a storage facility (Reference 39). Because the proposed use of the subject site is not anticipated to be for residences, Housing and Urban Development (HUD) lead cleanup standards do not appear to apply for the firing range. However, according to the MDNR Cleanup Levels for Missouri (CALM), Cleanup Levels for Surfaces and Building Interiors, Lead Abatement, Revised September 1998, "for lead abatement projects which occur within the confines of a building, the clearance criteria for dust wipe samples are as follows: Scenarios B and C: 200 micrograms of lead per square foot for floors" (Reference 53). A clearance criteria for lead dust on walls was not provided. Scenarios B and C refer to land use scenarios of sites. Scenarios B and C represent limited site access and non-residential use which would apply to the site's current use (Reference 43). Table 3 presents the laboratory analytical results for the dust wipe samples.

A sample collected in 1999 of the ash indicated an elevated lead concentration in the ash. During the February 2002 sampling event, four confirmation ash samples collected from the smokestack clean-out room were submitted to Test America, Inc. for TCLP Resource Conservation and Recovery Act (RCRA) Metals analysis using EPA Method 6010B. TCLP analysis was performed to determine proper disposal methods for the ash. According to laboratory analytical results, arsenic, barium, cadmium, chromium, mercury, selenium, and/or silver were not detected above the laboratory reporting limits for any of the ash samples, including the field blank (Reference 40). Laboratory analytical results indicated that lead was detected in one of the ash samples at 0.830 mg/l. The EPA TCLP regulatory level for lead is 5 mg/l. Lead was not detected above the laboratory report limit in the remainder of the ash samples, including the field blank. Based on

these analytical results, the ash is not considered a hazardous substance. Table 4 presents the laboratory analytical results for the ash samples.

3.3 Conclusions

The sand is self-contained within the bullet stop in the indoor firing range so that a release of the sand to human or environmental receptors (targets) is unlikely. Although the sand does not appear to represent a threat to human or environmental receptors via groundwater, surface water, air, or soil pathways, as defined in the USEPA "1991 Guidance for Performing Preliminary Assessments Under CERCLA," the sand represents a hazardous substance source as a result of lead concentrations above the EPA TCLP regulatory level. The source of the lead in the sand is most likely from spent shell casings generated during the previous discharge of fire arms.

Lead was detected in dust on the floor and walls of the firing range at levels above the MDNR CALM Lead Abatement levels. The source of the lead dust may be from the previous discharge of fire arms in the firing range. Although the dust does not appear to represent a threat to human or environmental receptors (targets) via groundwater, surface water, air, or soil pathways, as defined in the USEPA "1991 Guidance for Performing Preliminary Assessments Under CERCLA," the dust represents a hazardous substance source as a result of lead contamination above MDNR CALM, Lead Abatement, Cleanup Levels for Surfaces and Building Interiors, Revised September 1998.

Terracon has prepared a Lead Removal Work Plan concerning the removal of the sand in the bullet stop trap and cleaning of the bullet stop, trap, floors, walls, and ceiling of the firing range in Building 9. The *Lead Removal Work Plan, Indoor Firing Range, Building 9, Hardesty Federal Complex, Kansas City, Missouri*, Terracon Project No. 02027042, has been submitted to the GSA under separate cover (Reference 52).

The ash is self-contained within the smokestack clean-out room so that a release of the ash to human or environmental receptors is unlikely. Additionally, based on analytical results, the ash is not considered a hazardous material as defined in the USEPA "1991 Guidance for Performing Preliminary Assessments Under CERCLA."

4. GROUNDWATER PATHWAY

4.1 Hydrogeology

Jackson County is located in the Iowa and Missouri Deep Loess Hills Resource area of the Central Feed Grains and Livestock Region of the United States. Jackson County is located near the middle of an approximate 150-mile wide, north-south trending band of Pennsylvanian Age rocks that are located in western Missouri and eastern Kansas. Generally, the beds exhibit a subtle prevailing dip to the west-northwest. A prominent section of Pennsylvanian rock strata is well exposed in Kansas City, Missouri, in the bluffs along the Missouri River. According to The Stratigraphic Succession in Missouri, MDNR (revised in 1995), the region is underlain by rock units of the Pennsylvanian System and the Missourian Series (Kansas City Group and Pleasanton Group) in the Time Stratigraphic Unit age classification. Alternating layers of shales

and limestone, with an occasional sandstone layer, are common in the Kansas City Group, whereas alternating layers of shale and sandstone, with an occasional coal seam and limestone layer, are present in the Pleasanton Group (References 21 and 22).

The local geology at the Hardesty Federal Complex consists of backfill materials from the surface to approximately 4 feet below ground surface (bgs), silty clay from approximately 4 feet bgs to 12 feet bgs, fine clay from 12 feet bgs to approximately 24 feet bgs, and inorganic clays from 24 feet bgs to approximately 40 feet bgs, as determined from the boring logs associated with an on-site investigation of former petroleum Underground Storage Tanks (USTs) at the subject site (References 23 and 24).

Jackson County is located in the Saline Groundwater Province. In the upland areas above the alluvial valleys of the Missouri River, the Blue River, and the Little Blue River, the unconsolidated sediment is typically deficient of groundwater. Additionally, some unconfined aquifers are present at the interface of glacial outwash and underlying shales, but the quality and quantity is not adequate for drinking water purposes. Almost one-third of the state of Missouri is underlain by bedrock aquifers that contain saline water. Saline water is groundwater that contains 1,000 ppm or more of dissolved solids. Total dissolved solids in this region can exceed 20,000 ppm. The county is underlain by bedrock aquifers at depths of 250 to 400 feet that contain saline water which coincide with the presence of Pennsylvanian rocks. Total thickness of the aquifer ranges from 1,200 to more than 4,000 feet. Because Jackson County is located in the Saline Groundwater Province, the domestic water supply for the area of the Hardesty Federal Complex is from the alluvium of the Missouri River. The Missouri River alluvial aquifer is located in the flood plain of the Missouri River and varies from 40 to 100 feet bgs (References 21, 25, and 47). There is no potable water aquifer south of the Missouri River in the area of the Hardesty Federal Complex (Reference 25).

At the Hardesty Federal Complex, the depth to groundwater ranges from approximately 14.1 feet bgs to approximately 18.3 feet bgs, as determined from the boring logs associated with an on-site investigation of former petroleum USTs at the subject site (References 23 and 24). Groundwater at the site appears to flow toward the north-northeast (References 23 and 24), despite the site surface topographic gradient toward the southeast (Reference 4).

4.2 Targets

The population within a four-mile radius of the Hardesty Federal Complex relies exclusively on municipal water taken from the Missouri River and its associated alluvial aquifer (Reference 25). The City of Kansas City, Missouri, has only one municipal water supply system and water treatment plant for Kansas City, Missouri, which is operated by the Kansas City, Missouri, Water Supply Division (Water Works/Treatment Plant). The water from the Missouri River alluvial aquifer is pumped by 14 wells located at the Water Supply Division, approximately five miles northwest (up the Missouri River) and topographically up-gradient of the Hardesty Federal Complex (Reference 25). The only water supply distribution map available for review at the Water Supply Division was a Schematic Layout of Pump Stations, Meters, Feeder Mains, and Reservoirs, dated May 30, 1995. According to this map, the closest pump station to the Hardesty Federal Complex is approximately three miles to the northwest (Reference 26). Based on information provided by the Water Supply Division, there are no homes in the four-

mile radius of the Hardesty Federal Complex which use private wells as a source for drinking water.

According to information provided by the MDNR Division of Geology and Land Survey (DGLS), as many as 700 monitoring wells may be located within a four-mile radius of the site. However, no private drinking water wells were indicated in the information provided within the four-mile radius (Reference 27).

According to the MDNR, Kansas City Regional Office, Water Pollution and Soil Conservation Division, Public Drinking Water Department, the only state-approved wellhead protection plan for the Kansas City metropolitan area concerns the City of Independence well water plant near the intersection of Highways 291 and 210 in Independence, Missouri, near the Missouri River, approximately 10 miles downstream of the Hardesty Federal Complex to the northeast (Reference 48). However, according to wellhead maps provided by the Jefferson City, Missouri MDNR, Water Protection and Soil Conservation Division, Public Drinking Water Program, which indicate wellhead locations in relation to various potential sources of contamination, several wellheads are located at the Independence facility approximately seven miles northeast and downstream of the Hardesty Federal Complex, east and west of Highway 291 and south of the Missouri River (Reference 49). Wellheads for the City of Liberty, Missouri are located approximately 9.5 miles northeast and downstream of the Hardesty Federal Complex, northeast of Highways 210 and 291 and north of the Missouri River (Reference 49).

According to the wellhead maps, the Hardesty Federal Complex is identified as a chemical site as "GSA-Hardesty Facility" (Reference 49). Other details concerning this identification are not depicted on the maps. At least eleven chemical sites/areas are identified on the maps between the Hardesty Federal Complex and the nearest downstream wellhead area (Reference 49).

Several monitoring wells were observed at the Hardesty Federal Complex during the site visit (Reference 4). These monitoring wells appear to be associated with on-going characterization investigations concerning former USTs (previously containing diesel, gasoline, heating oil, and/or fuel oil) at the Hardesty Federal Complex. Based on a review of current site characterization investigations, laboratory analytical results of groundwater samples collected at the Hardesty Federal Complex indicate levels of gasoline-range hydrocarbons, benzene, toluene, ethylbenzene, and xylene at levels above typical MDNR Cleanup Levels. These analytes appear to be associated with releases from former on-site USTs, and/or USTs abandoned in place, formerly containing diesel, gasoline, heating oil, and/or fuel oil, in the vicinity of Buildings 7 and 3A (References 23 and 24). Based on a review of current site characterization investigations, petroleum-contaminated groundwater may be restricted to the on-site area of the Hardesty Federal Complex.

4.3 Sample Locations

Except as otherwise noted herein, groundwater samples were collected in general accordance with the *Draft Site Inspection Workplan for the Hardesty Federal Complex*, dated February 4, 2002, Terracon Project No. 50017083, *Expanded CERCLA Site Inspection Proposal for the Hardesty Federal Complex*, dated March 29, 2002, Terracon Proposal No. E0202117, and *Expanded CERCLA Site Inspection Proposal-Second Phase*, dated September 12, 2002, Terracon Proposal No. E0202277.

4.3.1 February 2002 Sampling Event

In February 2002 Terracon used a direct push Geoprobe® System to advance sampling probes into the subsurface at five locations at the site, Boring-1B (background), Boring-2, Boring-3, Boring-4, and Boring-5 (Figures 2 and 6). Four of the five probes (Borings 2, 3, 4, and 5) were advanced in the grass-covered area between Buildings 6 and 9, the former location of reported chemical storage associated with previous clothing treatment activities. One of the five probes (Boring-1B) was advanced in a hydrologically up-gradient position on the subject site, away from the grass-covered area between Buildings 6 and 9, in the vicinity of Building 10. This probe is believed to represent background conditions at the site. Boring-1B and Boring-4 were successfully advanced. Two attempts were made to advance both Boring-2 and Boring-3, and four attempts were made to advance Boring-5. What appeared to be concrete was encountered at approximately 8 feet bgs in the unsuccessful attempts at Borings 2, 3, and 5. Therefore, the locations of these borings were moved to allow the Geoprobe® to advance probes beyond 8 feet bgs to collect groundwater and soil samples. Borings 1B, 3, 4, and 5 were advanced to approximately 20 feet bgs. Boring-2 was advanced approximately 50 feet bgs to obtain groundwater samples.

A total of five groundwater samples were collected: One background groundwater (GW) sample (GW-1B) was collected from the hydrologically up-gradient background probe to represent background groundwater conditions at the site. Two groundwater samples (GW-2 and GW-5) were collected from Boring-2 and Boring-5, respectively, in the grass-covered area between Buildings 6 and 9 to determine if former clothing treatment chemicals stored at the site had impacted the groundwater. One duplicate groundwater sample (GW-6D) was collected during sampling activities to assess the reliability of sampling procedures and results. One trip blank sample (GW-8T) was included in the sample cooler containing the groundwater samples to evaluate potential contamination from cross-contamination introduced during collection, shipping, and storage of samples.

Table 1 presents sample numbers, locations, depth to groundwater, and objectives for the groundwater samples collected during the February sampling activities.

Groundwater was only encountered in three of the five probe locations, i.e., Boring-1B, Boring-2, and Boring-5 (Figure 6). Unfiltered groundwater samples were collected from these probes by advancing a Screen Point-15 stainless steel sampler in the boring. Sufficient groundwater was available to collect a sample from Boring-2 on February 19, 2002. However, insufficient groundwater was available to collect a sample from Boring-1B and Boring-5 on February 19, 2002, and the probe holes were allowed to recharge overnight. Sufficient groundwater was available to collect a sample from Boring-1B and Boring-5 on February 20, 2002. Approximately 2 to 3 liters of groundwater were purged from each of the probes prior to sampling.

4.3.2 June and July 2002 Sampling Event

Sampling probes were advanced at the site in May 2002 and June 2002. Terracon used a direct push Geoprobe® System to advance sampling probes into the subsurface at twelve locations at the site.

Sampling probe GW-1 was advanced in a hydrologically up-gradient position on the subject site, away from the grass-covered area between Buildings 6 and 9, in the vicinity of Building 10 (Figure 2). This probe is believed to represent background conditions at the site. Sampling probes GW-3, GW-3A, GW-4, GW-4A, GW-5, GW-5A, GW-6, GW-7, GW-8, GW-8A, and GW-9 were advanced in the vicinity of, and within the grass-covered area between, Buildings 6 and 9, the former location of reported chemical storage associated with previous clothing treatment activities (Figure 6). Several attempts were made to advance sampling probe GW-2. However, refusal was encountered at approximately 3 inches bgs. Groundwater collected from an additional Cape Environmental Management, Inc. (Cape) monitoring well (MW) in the vicinity of the proposed GW-2 sampling probe was collected as a substitute for this probe.

Total probe depth for the probes ranged from approximately 38 feet bgs to approximately 47 feet bgs. Groundwater was encountered and collected from the following sampling probes: GW-1, GW-3, GW-4, GW-5, GW-8, and GW-9. These probes were sampled approximately one month (in June 2002 and July 2002) after advancement to allow for sufficient recharge of groundwater for sampling.

Three existing monitoring wells installed at the site by Cape were used by Terracon to collect groundwater samples: Cape MW-4, Cape MW-6, and Cape MW-X (well number not provided in prior reports available to Terracon) (Figure 6). These monitoring wells were installed by Cape for the purpose of detecting potential petroleum-based contaminants from previous USTs at the site, which is excluded from regulation under CERCLA. Action concerning the release of petroleum products at the Hardesty Federal Complex may be warranted under environmental statutes other than CERCLA. The total depth of the Cape wells was approximately 40 feet bgs. Groundwater was encountered in each of the Cape wells at approximately 20 feet bgs.

A total of nine groundwater samples were collected from the site in June 2002:

- One background groundwater sample (GW-1) was collected from the hydrologically up-gradient background probe, south of Building 10, to represent background groundwater conditions at the site.

- One groundwater sample (GW-3) was collected northeast of the grass-covered area between Buildings 6 and 9 to assess the extent of volatile organic compounds (VOCs) and RCRA Metals detected in groundwater samples previously collected during the February 2002 sampling event from the area associated with storage of clothing treatment/renovation chemicals.

- One groundwater sample (GW-5) was collected within the grass-covered area between Buildings 6 and 9 to assess the source of VOCs and RCRA Metals detected in groundwater samples previously collected during the February 2002 sampling event from the area associated with storage of clothing treatment/renovation chemicals.

- Three groundwater samples were collected from existing monitoring wells (Cape MW-4, Cape MW-6, and Cape MW-X) west of the grass-covered area, installed at the site by Cape, to assess the extent of VOCs and RCRA Metals previously detected in groundwater samples collected during the February 2002 sampling event from the area associated with storage of clothing treatment/renovation chemicals.

- One duplicate groundwater sample (FD-GW-3) was collected during sampling activities to assess the reliability of sampling procedures and results.

- One trip blank sample (TB) was included in the sample cooler containing the groundwater samples to evaluate potential contamination from cross-contamination introduced during collection, shipping, and storage of samples.

- One field blank sample (FB) was included to test for contamination possibly introduced by sample containers and preservatives.

A total of seven groundwater samples were collected from the site in July 2002:

- One background groundwater sample (GW-1, same location as Boring-1B advanced in February 2002 and GW-1 advanced in June 2002) was collected from the hydrologically up-gradient background probe, south of Building 10, to represent background groundwater conditions at the site.

- Two groundwater samples (GW-4 and GW-9) were collected southeast and northeast, respectively, of the grass-covered area between Buildings 6 and 9 to assess the extent of VOCs detected in groundwater samples collected in June 2002.

- One groundwater sample (GW-8) was collected in the grass-covered area between Buildings 6 and 9 to assess the source of VOCs detected in groundwater samples collected in June 2002.

- One duplicate groundwater sample (FD-GW-9) was collected during sampling activities to assess the reliability of sampling procedures and results.

- One trip blank sample (TB) was included in the sample cooler containing the groundwater samples to evaluate potential contamination from cross-contamination introduced during collection, shipping, and storage of samples.

- One field blank sample (FB) was included to test for contamination possibly introduced by sample containers and preservatives.

Table 1 presents sample numbers, locations, depth to groundwater, and objectives for the groundwater samples collected during the June/July sampling activities.

Groundwater samples were collected from these probes by advancing a one-inch diameter PVC perforated pipe, equipped with a 20-foot section of 0.01-slot screen. Groundwater samples to be analyzed for RCRA Metals were field filtered at the site using a 0.45 micron filter in line with the peristaltic pump. Groundwater samples to be analyzed for VOCs were not field filtered. Sufficient groundwater was available to collect a sample for RCRA Metals analysis from GW-3, GW-5, Cape MW-4, Cape MW-6, and Cape MW-X. Sufficient groundwater was available to collect a sample for VOC analysis from GW-1, GW-3, GW-4, GW-5, GW-8, GW-9, Cape MW-4, Cape MW-6, and Cape MW-X. Approximately 1 to 3 liters of groundwater were purged from each of the probes and Cape wells prior to sampling.

Sufficient groundwater was not available to collect a sample for RCRA Metals analysis from GW-1. Sufficient groundwater was not available to collect a sample for RCRA Metals or VOC analysis from GW-3A, GW-4A, GW-5A, GW-6, GW-7, and GW-8A.

4.3.3 October 2002 Sampling Event

Sampling probes were advanced at the site in October 2002. Terracon used a direct push Geoprobe® System to advance sampling probes into the subsurface at 17 locations at the site.

Probes (GW-10 through GW-26) were advanced in hydrogeologically down-gradient locations from the former location of reported chemical storage associated with previous clothing treatment activities between Buildings 6 and 9. The following perimeter probes were advanced: three probes were advanced along the northern boundary of the subject site; one probe was advanced at the northeastern corner of the site; and three probes were advanced along the eastern boundary of the site. Two sets of additional probes (for a total of 10 additional probes) were advanced between the perimeter probes and the gassy area between Buildings 6 and 9. The approximate locations of the 17 probes are depicted in Figure 7.

Total probe depth for the probes ranged from approximately 23.4 feet bgs to approximately 44.7 feet bgs. Groundwater was encountered and collected from each sampling probe. These probes were sampled approximately 24 to 48 hours after advancement to allow for sufficient recharge of groundwater for sampling.

A total of 20 groundwater samples were collected from the site in October 2002:

- Seven probes (GW-10, 11, 12, 13, 14, 15, and 16) were advanced along the perimeter of the site to determine if VOCs in groundwater (previously collected from the area associated with storage of clothing treatment/renovation chemicals) have reached the boundary of the subject site.

- Ten probes (GW-17, 18, 19, 20, 21, 22, 23, 24, 25, and 26) were advanced between the perimeter probes and the gassy area between Buildings 6 and 9 to assess the horizontal extent of VOCs in groundwater samples on the site north, northeast, east, and southeast of the area associated with storage of clothing treatment/renovation chemicals.

- One duplicate groundwater sample (GW-23D) was collected during sampling activities to assess the reliability of sampling procedures and results.

- One trip blank sample (TB) was included in the sample cooler containing the groundwater samples to evaluate potential contamination from cross-contamination introduced during collection, shipping, and storage of samples.

- One field blank sample (FB at 19) was included to test for contamination possibly introduced by sample containers and preservatives.

Table 1 presents sample numbers, depth to groundwater, and depth of each probe advanced during the October SI sampling activities.

Groundwater samples were collected from these probes by advancing a one-inch diameter PVC perforated pipe, equipped with a 20-foot section of 0.01-slot screen. Sand was added around the exterior of the PVC pipe in the probe hole, bentonite was added around the PVC pipe at the ground surface, and the tops of the PVC pipes were capped to prevent infiltration of rainwater or surface runoff into the probes. Groundwater samples were not field filtered. Sufficient groundwater was available to collect a sample for VOC analysis from each probe. Probes GW-14, 21, and 22 were purged to nearly dry to remove any rainwater that may have infiltrated the probes during the advancement of these three probes as a result of inclement weather conditions during advancement. The remaining probes were not purged since inclement weather conditions had ended during advancement of the rest of the probes.

4.4 Analytical Results

4.4.1 February 2002 Sampling Event – Analytical Results

A total of five groundwater samples were submitted to Test America, Inc. for analysis of RCRA Metals analysis using EPA Method 6010B, VOCs analysis using EPA Method 8260B, and semi-volatile organic compounds (SVOCs) analysis using EPA Method 8270C. RCRA Metals, VOCs, and SVOCs analysis was performed to address the potential contamination that may be present due to historical clothing chemical pretreatment activities at the subject site. Table 5 presents the laboratory analytical results for the groundwater samples. Only analytes that were detected in the laboratory analytical results are discussed below. A copy of the Test America, Inc. analytical results report is present in the references (Reference 40). The laboratory analytical results were compared to the MDNR Groundwater Target Concentrations (GTARC) CALM, dated September 1, 2001, to determine potentially hazardous concentration levels of the analytes detected. The following summarizes the groundwater analytical results:

- According to laboratory analytical results, the following RCRA Metals were detected in the following groundwater samples at concentrations above the laboratory report limits for each respective analyte but below the MDNR GTARC CALM: mercury and selenium were detected in GW-1B; selenium was detected in GW-2; and arsenic, barium, cadmium, chromium, mercury, and selenium were detected in GW-5 and GW-6 (duplicate of GW-5).

- According to laboratory analytical results, the following RCRA Metals were detected in the following groundwater samples at concentrations above the MDNR GTARC CALM: arsenic,

barium, cadmium, chromium, and lead were detected in GW-1B and GW-2; and lead was detected in GW-5 and GW-6.

- According to laboratory analytical results, VOCs were not detected above the laboratory report limits in GW-1B. According to laboratory analytical results, VOCs such as cis-1, 2-dichloroethene (cis-DCE), trans-1, 2-dichloroethene (trans-DCE), and tetrachloroethene (PCE) were detected in GW-5 and GW-6D at concentrations above the laboratory report limits for each respective analyte but below the MDNR GTARC CALM. According to laboratory analytical results for GW-8T (trip blank), VOCs such as chloroform and bromodichloromethane were detected at concentrations of 0.0045 and 0.0027 mg/l, respectively. Test America, Inc. also provided a laboratory-prepared trip blank which was included with the aqueous samples submitted to Test America, Inc. This trip blank was submitted for VOC analysis. VOCs were not detected above the laboratory report limits in the Test America, Inc. trip blank. Chloroform and bromodichloromethane were detected in Terracon's groundwater trip blank and in Terracon's soil rinsate sample at concentrations above the laboratory report limits for each respective analyte but below the MDNR GTARC CALM. The source for these VOCs may be from the distilled water used to prepare Terracon's trip blank and the rinsate samples.

- According to laboratory analytical results, the following VOCs were detected in the following groundwater samples at concentrations above the MDNR GTARC CALM: trichloroethene (TCE) was detected in GW-2; and 1, 1, 2, 2-tetrachloroethane (PCA) and TCE were detected in GW-5 and the duplicate of GW-5 (GW-6).

- According to laboratory analytical results, SVOCs were not detected above the laboratory report limits in the groundwater samples collected.

4.4.2 June and July 2002 Sampling Event – Analytical Results

A total of seven groundwater samples were submitted to Test America, Inc. for analysis of RCRA Metals using EPA Method 6010B/7470A. A total of 16 groundwater samples were submitted to Test America, Inc. for analysis of VOCs using EPA Method 8260B. RCRA Metals and VOCs analyses were performed to address the potential contamination that may be present due to historical clothing chemical pretreatment activities at the subject site.

Table 6 presents the RCRA Metals laboratory analytical results for the groundwater samples collected in June 2002. Table 7 presents the VOC laboratory analytical results for the groundwater samples collected in June 2002. Table 8 presents the VOC laboratory analytical results for the groundwater samples collected in July 2002. A copy of the Test America, Inc. analytical results report is included in the references (Reference 44). The laboratory analytical results were compared to the MDNR GTARC CALM, dated September 1, 2001, to determine potentially hazardous concentration levels of the analytes detected. The following summarizes the groundwater analytical results:

- According to laboratory analytical results, RCRA Metals such as arsenic, barium, cadmium, and chromium were detected at concentrations above the laboratory report limits for each respective analyte but below the MDNR GTARC CALM in the groundwater samples

collected. No analytes were detected above the laboratory report limits for the FB (field blank) RCRA Metals sample.

- According to laboratory analytical results, the following VOCs were detected in the following groundwater samples at concentrations above the laboratory report limits for each respective analyte but below the MDNR GTARC CALM: TCE was detected in CAPE MW-X and GW-8; sec-butylbenzene and 1, 2-dichlorobenzene were detected in CAPE MW-6; 1, 2-dichloroethane (DCA), cis-DCE, and trans-1, 2-DCE were detected in GW-5; acetone, 2-butanone, cis-1, 2-DCE, and PCE were detected in FD-GW-3; acetone, 2-butanone, 1, 4-dichlorobenzene, cis-1, 2-DCE, and trans-1, 2-DCE were detected in GW-4; and 1, 2-dichloropropane was detected in GW-9 and FD-GW-9. No analytes were detected above the laboratory report limits for the TB and FB VOC samples.

- According to laboratory analytical results, the following VOCs were detected at concentrations above the MDNR GTARC CALM: PCA and TCE were detected in GW-3; PCA, PCE, 1, 1, 2-trichloroethane (TCA), and TCE were detected in GW-5; PCA, TCA, and TCE were detected in FD-GW-3; PCA, PCE, TCA, and TCE were detected in GW-4; and PCA and TCE were detected in GW-9 and FD-GW-9. Figures 8 through 11 depict the VOC analytical results detected above the MDNR GTARC CALM associated with each probe location sampled.

4.4.3 October 2002 Sampling Event – Analytical Results

A total of 20 groundwater samples were submitted to Test America, Inc. for analysis of VOCs using EPA Method 8260B. VOCs analyses were performed to determine if VOCs in groundwater (previously collected from the February and June/July sampling events) have reached the boundary of the subject site and to assess the horizontal extent of VOCs in groundwater samples on the site north, northeast, east, and southeast of the area associated with historic storage of clothing treatment/renovation chemicals.

Table 9 presents the VOC laboratory analytical results for the groundwater samples collected in October 2002. A copy of the Test America, Inc. analytical results report is included in the references (Reference 51). The laboratory analytical results were compared to the MDNR GTARC CALM, dated September 1, 2001, to determine potentially hazardous concentration levels of the analytes detected. The following summarizes the groundwater analytical results:

- According to laboratory analytical results, the following VOCs were detected in the following groundwater samples at concentrations above the laboratory report limits for each respective analyte but below the MDNR GTARC CALM: chloroform, cis-DCE, and trans-DCE were detected in GW-10; TCA was detected in GW-11; cis-DCE was detected in GW-12; acetone was detected in GW-14, GW-15, and GW-19; trans-DCE and TCE were detected in GW-16; cis-DCE and trans-DCE were detected in GW-17; acetone and cis-DCE were detected in GW-23; acetone and carbon disulfide were detected in GW-24; acetone and TCA were detected in GW-25; chloroform, cis-DCE, and trans-DCE were detected in GW-26; and cis-DCE was detected in GW-23D.

- According to laboratory analytical results, the following VOCs were detected in the following groundwater samples at concentrations above the MDNR GTARC CALM: PCA, PCE, TCA, and TCE were detected in GW-10, GW-23, GW-26, and GW-23D; PCA, PCE, and TCE

were detected in GW-11, GW-18, and GW-25; TCE was detected in GW-12, GW-13, GW-17, GW-19, GW-22, and GW-24; and cis-DCE was detected in GW-16. Figures 8 through 11 depict the VOC analytical results detected above the MDNR GTARC CALM associated with each probe location sampled.

- No VOCs were detected above the laboratory report limits for the TB and FB at 19 (field blank) samples.

4.5 Conclusions

Based on the analytical results from the three sampling events, VOCs such as PCA, PCE, TCA, TCE, and cis-DCE have been detected in the groundwater at the site at concentrations above the MDNR GTARC CALM. These VOC analytes can typically be associated with dry-cleaning agents and their degradation products. The location of these VOCs detected above the MDNR GTARC CALM indicates that the horizontal extent of VOCs in groundwater is toward the north, northeast, east, and southeast of the area formerly associated with storage of clothing treatment/renovation chemicals. Since these analytes have also been detected in probes advanced within approximately 25 feet of the north and east perimeter boundaries of the subject site, it appears that VOC contaminants have reached the boundary of the subject site, and may extend beyond the boundaries of the Hardesty Federal Complex to the north and east.

There are no drinking water intakes located within seven miles downstream of the site. The population within a four-mile radius of the Hardesty Federal Complex relies exclusively on municipal water taken from the Missouri River and its associated alluvial aquifer (Reference 25). The water from the Missouri River alluvial aquifer is pumped by 14 wells located at the Water Supply Division, approximately five miles northwest and topographically up-gradient of the Hardesty Federal Complex (Reference 25). Based on information provided by the Water Supply Division, there are no homes in the 4-mile radius of the Hardesty Federal Complex which use private wells as a source for drinking water.

5. SURFACE WATER PATHWAY

5.1 Hydrology

Overland drainage from the site flows toward the southeast into on-site storm water inlets (Reference 4). However, the groundwater gradient appears to flow toward the north-northeast based on current on-site characterization investigations associated with former petroleum USTs located at the site (References 23 and 24). The area of the Hardesty Federal Complex uses a combined sewer system in which both sanitary sewer and storm water runoff use the same sewer infrastructure. Both sanitary sewer and storm water runoff are treated in the water treatment plant at the Water Supply Division (Reference 25). During times of heavy precipitation, the water treatment plant is by-passed, and the sanitary and combined sewers discharge directly to the Big Blue River, located approximately one mile east of the Hardesty Federal Complex, and to the Missouri River, located approximately 2.5 miles northwest of the Hardesty Federal Complex (Reference 28). The subject site is not located in a flood plain (Reference 29).

5.2 Targets

There are no drinking water intakes located within seven miles downstream of the site. The residents are served by intakes along the Missouri River and 14 wells in the Missouri River alluvium located approximately five miles upstream of the Hardesty Federal Complex to the northwest at the Kansas City, Missouri, Water Supply Division (Water Works/Treatment Plant). Residents are not served by individual private wells (Reference 25). The City of Independence receives its drinking water from wells installed in the Missouri River alluvium at a well water plant east and west of Highway 291, and south of the Missouri River, in Independence, Missouri, approximately seven miles downstream of the Hardesty Federal Complex to the northeast (References 46 and 49). Additionally, wellheads for the City of Liberty, Missouri are located approximately 9.5 miles northeast and downstream of the Hardesty Federal Complex, northeast of Highways 210 and 291 and north of the Missouri River (Reference 49).

According to the Missouri Department of Conservation (MDC), Kansas City, Missouri, Regional Protection Division Office, there are no fish hatcheries in the Missouri River as it runs through the Kansas City metropolitan area. There is some commercial and recreational fishing in the Missouri River in the metropolitan area. According to the MDC, there is very little commercial or recreational fishing in the Blue River as it runs through the urban areas of Kansas City, Missouri, closer toward its confluence with the Missouri River (Reference 30).

There are numerous wetland areas located within 15 downstream miles of the site. The nearest wetland (approximately four acres, and approximately 800 frontage feet) is located approximately 400 feet topographically downstream from the site to the southeast, across the railroad tracks, according to the U.S. Fish and Wildlife Service National Wetland Inventory Map, dated 1994 (Reference 31). However, a wetland was not observed by Terracon in this area during the site visit on November 28, 2001. The area to the southeast now consists of a parking lot and the Percy Kent Bag Company (manufacturer of paper bags) (Reference 4). The next nearest water body is the Blue River located approximately 4,000 feet topographically downstream from the site to the east (References 28 and 31). Numerous wetlands are associated with the Blue River. The Missouri River, approximately 2.5 miles northwest and three miles to the north of the site, also has numerous associated wetlands (Reference 31).

A letter of inquiry was sent to the MDC to determine the presence of any known endangered or threatened species or critical habitat concerning the Hardesty Federal Complex, and within an approximate four-mile radius of the site. A four-mile search radius was requested since a possible release of CERCLA hazardous substances to soil and/or shallow groundwater from the former chemical holding tanks south of Building 6 may have occurred at the Hardesty Federal Complex. This search radius was based on the USEPA "1991 Guidance for Performing Preliminary Assessments Under CERCLA."

According to the MDC, the following public lands, sensitive species and/or communities are known to exist in Jackson County (Reference 32):

Scientific Name	Common Name	Status (Federal/State)	Topographic Location of Sensitive Species/Communities in Jackson County	Distance to the Sensitive Species/ Communities from the Hardesty Federal Complex*
Dryopteris goldiana	Goldie's Fern (plant)	No federal status/ Imperiled in the state	T50N, R32W, S9	Greater than 4 miles
Penstemon cobaea var cobaea	A Beard-Tongue (plant)	No federal status/ Critically imperiled in the state	T49N, R33W, S25	Greater than 4 miles
Mesic Forest	NA	NA	T50N, R32W, S9	Greater than 4 miles
Falco peregrinus	Peregrine Falcon (bird)	Federally endangered/ State endangered and critically imperiled in the state	T49N, R33W, S5	Approximately 2.8 miles west
Macrhybopsis gelida	Sturgeon Chub (fish)	Candidate for federal listing/rare and uncommon in the state	T50N, R33W, S15	Greater than 4 miles
Macrhybopsis storeriana	Silver Chub (fish)	No federal status/Rare and uncommon in the state	T50N, R32W, S17	Greater than 4 miles
Egretta caerulea	Little Blue Heron (bird)	No federal status/ Imperiled in the state	T49N, R33W, S20	Approximately 3.9 miles southwest
Scaphirhynchus albus	Pallid Sturgeon (fish)	Federally endangered/ State endangered and critically imperiled in the state	T50N, R33W, S27	Approximately 1.2 miles northwest

* = The distance to the sensitive species/communities from the Hardesty Federal Complex was determined based on the Township, Range, and Section information provided by the MDC, and based on the distance between the closest subject site boundary and the closest section line of the location of the sensitive species/communities to the subject site using topographic maps (Reference 28).

T = Township

R = Range

S = Section

NA = Not Applicable

N = North

W = West

According to the MDC, the Federally Threatened/State Endangered Bald Eagle (*Haliaeetus leucocephalus*) may occur as a winter resident in large river habitats and major lakes, and the Federally Endangered/State Endangered Indiana Bat (*Myotis sodalis*) roosts in riparian forests and upland forests near perennial streams (Reference 32).

The Hardesty Federal Complex is located in Township 49 North, Range 33 West, Section 2, which was not included in the MDC's list of locations of sensitive species and/or communities (References 28 and 32). No surface waters or vegetated areas (other than a small grassed/landscaped area south of Building 6) were observed at the site (Reference 4). Therefore, it is not anticipated that the sensitive species, or their habitats, listed in the above table, or the Bald Eagle or Indiana Bat, are located at the site. However, Mr. Charlie Creek, maintenance engineer at the Hardesty Federal Complex, stated that he has seen what he believes to be Peregrine Falcons perched on the top of the 12-story building located on the northwest-adjoining property of the subject site. Mr. Creek stated that the falcons feed on the pigeons that fly in and around the Hardesty Federal Complex buildings; however, he stated that he has never seen the falcons roosting on, or perched on, the buildings at the Hardesty Federal Complex. Peregrine Falcons were not observed at the subject site or on the northwest-adjoining property during the course of sampling activities during the SI visits. However, this does not preclude the potential presence of these falcons on the adjoining property at other times of the year.

A letter of inquiry was also sent to the U.S. Fish and Wildlife Service (FWS) in Columbia, Missouri to determine the presence of any known endangered or threatened species or critical habitat concerning the Hardesty Federal Complex, and within an approximate four-mile radius of the site. According to a letter received from the FWS, "the U.S. Fish and Wildlife Service has reviewed the subject project proposal and determined that no federally listed species or designated critical habitat occurs within the project area; consequently, this concludes Section 7 consultation and no further review of this project is necessary" (Reference 36).

5.3 Conclusions

There are no signs of a release of contaminants to surface water. Overland drainage from the site flows toward the southeast into on-site storm water inlets. No surface water bodies are located on the site (Reference 4). There are no drinking water intakes located within seven miles downstream of the site. The City of Independence receives its drinking water from wells installed in the Missouri River alluvium at a well water plant east and west of Highway 291, and south of the Missouri River, in Independence, Missouri, approximately seven miles downstream of the Hardesty Federal Complex to the northeast (References 46 and 49). Additionally, wellheads for the City of Liberty, Missouri are located approximately 9.5 miles northeast and downstream of the Hardesty Federal Complex, northeast of Highways 210 and 291 and north of the Missouri River (Reference 49).

A release to fisheries, wetlands, and/or threatened and endangered species is not suspected because there are no on-site or adjoining water bodies, or critical species habitats; there are no hazardous wastes/materials currently stored at the site; and there is no indication of past or present release of hazardous wastes/materials to any surface waters on site or in the vicinity of the site. Based on the above information, there appears to be no threat to the drinking water population, human food chain, or the environment via the surface water pathway. A sampling program for surface water collection and analysis was not conducted for this SI.

6. SOIL EXPOSURE AND AIR PATHWAYS

6.1 Physical Conditions

The total area of the Hardesty Federal Complex is approximately 18 acres. Seven buildings are currently located at the Hardesty Federal Complex: Buildings 3, 6, 7, 9, 10, 11, and 13. These buildings were empty at the time of the PA site visit, with the exception of Building 6 which was occupied by the FAA, who was in the process of moving out of Building 6 during the PA site visit. The perimeter of the property is fenced with a seven-foot chain-link fence. The fencing appears to be in good condition, and there is a locked entrance gate across the access driveway to the facility. Virtually all of the site is covered with buildings or paved areas, with the exception of a small grassed/landscaped area south of Building 6 (Reference 4).

The local geology at the Hardesty Federal Complex consists of backfill materials from the surface to approximately 4 feet bgs, silty clay from approximately 4 feet bgs to 12 feet bgs, fine clay from 12 feet bgs to approximately 24 feet bgs, and inorganic clays from 24 feet bgs to approximately 40 feet bgs, as determined from the boring logs associated with an on-site investigation of former USTs at the subject site (References 23 and 24).

Boring logs with soil descriptions and organic vapor monitor (OVM) readings were prepared for each of the five borings advanced at the site during the February 2002 SI sampling event (Appendix B). Soil descriptions and OVM readings were taken at 4-foot intervals from the surface down to approximately 20 feet bgs. According to the boring logs, generally dry to moist fat silty clay was encountered in the borings down to approximately 20 feet bgs. A slight apparent petroleum odor was observed at approximately 4 to 6 feet bgs, and at 8 feet bgs in Boring 4. A slight apparent petroleum odor was observed at approximately 3 feet bgs in Boring 5. However, OVM readings for all soil intervals in each boring were below 6.1 ppm.

6.2 Soil and Air Targets

There are no residents on site, and only one or two workers are on site for routine maintenance at any one time (References 4 and 13). The distance to the nearest residential area and daycare facility from the closest site boundaries were confirmed during the February 2002 SI visit with the use of a measuring wheel. The nearest residential area is approximately 38 feet west, across Hardesty Avenue, and the nearest daycare facility is located approximately 225 feet northwest of the site, across Hardesty Avenue. The nearest school is located approximately 0.25 mile west of the site. An abandoned commercial property is located adjacent to the site on the east. Other commercial properties are located approximately 100 feet north of the site, across Independence Avenue. Railroad tracks are located on the southeastern border of the site, with a vacant grass-covered field, parking area, church, and commercial property approximately 150 feet southeast from the site, across the railroad tracks (Reference 4). There are 6,262 residences within one mile of the site (Reference 33). Census information for a 0.25- mile and 0.5-mile radius from the site were not available from the Kansas City, Missouri Planning and Development Department (Reference 34). The total population within a 4-mile radius of the site is 116,338 as determined by census information provided by the Kansas City, Missouri Planning and Development Department (Reference 33).

The nearest water body is the Blue River located approximately 4,000 feet topographically downstream from the site to the east (Reference 28). Numerous wetlands are associated with the Blue River (Reference 31). The possibility exists that terrestrial sensitive environments of the Federally designated endangered/threatened Peregrine Falcon, Bald Eagle, and/or Indiana Bat habitats may be found in the wetland areas associated with the Blue River, as are known to inhabit Jackson County. Since the majority of the site is covered with buildings and paved areas, it is unlikely that terrestrial sensitive environments of Federally designated endangered species habitats are located at the site. However, Mr. Creek stated that he has seen what he believes to be Peregrine Falcons perched on the top of the 12-story building located on the northwest-adjoining property of the subject site, as discussed in Section 5.2. Mr. Creek stated that the falcons feed on the pigeons that fly in and around the Hardesty Federal Complex buildings; however, he stated that he has never seen the falcons roosting on, or perched on, the buildings at the Hardesty Federal Complex (Reference 4). Peregrine Falcons were not observed at the subject site or on the northwest-adjoining property during the course of sampling activities during the SI visits. However, this does not preclude the potential presence of these falcons on the adjoining property at other times of the year. A letter of inquiry was also sent to the FWS in Columbia, Missouri, to determine the presence of any known endangered or threatened species or critical habitat concerning the Hardesty Federal Complex, and within an approximate four-mile radius of the site. According to a letter received from the FWS, "the U.S. Fish and Wildlife Service has reviewed the subject project proposal and determined that no federally listed species or designated critical habitat occurs within the project area; consequently, this concludes Section 7 consultation and no further review of this project is necessary" (Reference 36).

Based on a review of current site petroleum UST characterization investigations, laboratory analytical results of subsurface soil samples collected at the Hardesty Federal Complex indicate levels of gasoline-range hydrocarbons, benzene, ethylbenzene, and xylene at levels above MDNR Cleanup Levels. These analytes appear to be associated with releases from former on-site USTs, and USTs abandoned in place, formerly containing diesel, gasoline, heating oil, and fuel oil in the vicinity of Buildings 7 and 3A (References 23 and 24). These hazardous substances appear to be associated with petroleum products which are excluded from regulation under CERCLA. Action concerning the release of petroleum products at the Hardesty Federal Complex may be warranted under environmental statutes other than CERCLA.

6.3 Soil Sample Locations

Except as otherwise noted herein, soil samples were collected in general accordance with the *Draft Site Inspection Workplan* dated February 4, 2002, Terracon Project No. 50017083. Terracon used a direct push Geoprobe® System to advance sampling probes into the subsurface at five locations at the site, four locations in the grass-covered area between Buildings 6 and 9 and one location in the up-gradient background location. This grass-covered area is the most likely area of release for the historic Building 6 activities. These subsurface soil sampling locations were the same locations as the groundwater sampling locations described in Section 4.3.1. Subsurface soil samples were collected from the area of former suspected sub-grade chemical tank storage associated with historical clothing chemical pretreatment activities at the site, as well as historic painting activities and circuit board manufacturing activities. These samples were tested to assess whether hazardous substances have been released to the subsurface soil.

A total of seven subsurface soil samples were collected: One background soil sample (SS-1B, collected from probe location identified as Boring-1B on Figure 6) was collected from the hydrologically up-gradient background boring to represent background subsurface soil conditions at the site. Four soil samples (SS-2, SS-3, SS-4, and SS-5, collected from probe locations identified as B-2, B-3, B-4, and B-5 on Figure 6) were collected from the grass-covered area between Buildings 6 and 9. One duplicate soil sample (SS-6D) was collected during sampling activities to test the reliability of sampling procedures and results. One field rinsate sample (SS-7R) was collected during subsurface soil sampling activities to test for possible cross-contamination, poor decontamination procedures, and potential contamination due to sampling devices. Subsurface soil samples were collected at approximately 12 to 16 feet bgs in an effort to collect native soil samples underneath fill material that may have been used during demolition to fill the former pits/pump houses, formerly located in the grass-covered area.

Table 1 presents sample numbers, locations, depth to groundwater, and objectives for the soil samples collected during the SI. Figures 2 and 6 show the boring locations at the site.

6.4 Soil Analytical Results

A total of seven subsurface soil samples were submitted to Test America, Inc. for analysis of RCRA Metals analysis using EPA Method 6010B, VOCs analysis using EPA Method 8260B, and SVOCs analysis using EPA Method 8270C. RCRA Metals, VOCs, and SVOCs analysis was performed to address the potential contamination that may be present due to historical clothing chemical pretreatment activities at the subject site, as well as the historic painting and circuit board manufacturing activities. Table 10 presents the laboratory analytical results for the subsurface soil samples. Only analytes that were detected in the laboratory analytical results are discussed below. A copy of the Test America, Inc. analytical results is included in the references (Reference 40). The laboratory analytical results were compared to the MDNR Soil Target Concentration (STARC) Scenario B CALM, dated September 1, 2001, to determine potentially hazardous concentration levels of the analytes detected. Scenario B refers to land use of the site. Scenario B represents limited site access and non-residential use (Reference 41). The following summarizes the subsurface soil analytical results:

- According to laboratory analytical results, the following RCRA Metals were detected in the following soil samples at concentrations above the laboratory report limits for each respective analyte but <u>below</u> the MDNR STARC CALM: arsenic, barium, chromium, and lead were detected in SS-1B, SS-2, SS-3, SS-4, SS-5, and SS-6D. RCRA Metals were not detected above the laboratory report limits in SS-7R (identified as GW-7R on the chain of custody).

- According to laboratory analytical results, VOCs were detected in the following soil samples at concentrations above the laboratory report limits for each respective analyte but <u>below</u> the MDNR STARC CALM: toluene was detected in SS-1B; toluene and 1,1,1-trichloroethane were detected in SS-2; 1,1-dichloroethene, PCA, PCE, 1,1,1-trichloroethane, and TCE were detected in SS-3; 1,1-dichloroethene and 1,1,1-trichloroethane were detected in SS-4; cis-DCE, PCA, PCE, 1,1,1-trichloroethane, and TCE were detected in SS-5; and 1,1-dichloroethene and 1,1,1-trichloroethane were detected in SS-6D. According to laboratory analytical results for SS-7R (identified as GW-7R on the chain of custody), trace levels of VOCs such as chloroform and bromodichloromethane were detected at concentrations of 0.0048 and 0.0028 mg/l, respectively.

However, no VOCs were detected in the Test America, Inc.-provided trip blank. The source for these VOCs may be from the distilled water used to prepare Terracon's rinsate sample.

- According to laboratory analytical results, SVOCs were not detected above the laboratory report limits in the soil samples collected or in SS-7R.

6.5 Air Monitoring

Portable air quality monitors (organic vapor analyzer and a four-gas meter) were carried on site during the SI. No measurements above background were detected. No formal air monitoring program was conducted for this SI.

6.6 Conclusions

No obvious indications of a spill or release of material to the soil surface was observed during the PA or SI site visits. Laboratory analytical results did not indicate the presence of VOCs, SVOCs, or RCRA Metals in subsurface soil samples at concentrations above the MDNR STARC CALM Scenario B. A spill of 78 one-gallon containers of paint thinner to the soil was previously reported at 619 Hardesty Avenue (the Building number for this address was not determined) on May 1, 1987 (References 22 and 35). However, no other records of this spill or information regarding the specific location of this spill were available from the GSA or MDNR for review.

There are no residents on site, and only one or two workers are on site for routine maintenance at any one time (References 4 and 13). The nearest residential area is approximately 38 feet west, across Hardesty Avenue, and the nearest daycare facility is located approximately 225 feet northwest of the site, across Hardesty Avenue. The total population within a 4-mile radius of the site is 116,338 as determined by census information provided by the Kansas City, Missouri Planning and Development Department (Reference 33).

There was no indication of a release to the air pathway since no emission sources were observed at the Hardesty Federal Complex.

7. SUMMARY AND CONCLUSIONS

The Hardesty Federal Complex SI was performed to attempt to gather data necessary to evaluate the site as a candidate for the NPL. Source and environmental samples were collected.

Sand samples collected from the bullet stop of the firing range, located in the basement of Building 9, were submitted to Test America, Inc. for TCLP lead analysis using EPA Method 6010B. TCLP analysis was performed for the purpose of determining proper disposal methods for the sand. According to laboratory analytical results, lead was detected in the sand samples at concentrations ranging from 554 mg/l to 610 mg/l (Table 2). The EPA TCLP regulatory level for lead is 5 mg/l. Based on these analytical results, the sand in the bullet stop is considered a characteristic hazardous substances.

Dust wipe samples collected from the floor and walls in the firing range were submitted to IATL for lead dust wipe analysis using ASTM D3335-85a. Lead analysis was performed for the purpose of determining lead concentrations of dust which had accumulated on the floors and walls during the room's use as a firing range. According to laboratory analytical results, lead was detected in the dust wipe samples collected from the floor at concentrations ranging from 2,400 ug/ft^2 to 92,000 ug/ft^2 (Table 3). According to laboratory analytical results, lead was detected in the dust wipe samples collected from the walls at concentrations ranging from 10 ug/ft^2 to 1,300 ug/ft^2. According to the MDNR CALM, Cleanup Levels for Surfaces and Building Interiors, Lead Abatement, Revised September 1998, "for lead abatement projects which occur within the confines of a building, the clearance criteria for dust wipe samples are as follows: Scenarios B and C: 200 micrograms of lead per square foot for floors." A clearance criteria for lead dust on walls was not provided. Scenarios B and C refer to land use scenarios of sites. Scenarios B and C represent limited site access and non-residential use which would apply to the site's current use (Reference 43).

Terracon has prepared a Lead Removal Work Plan concerning the removal of the sand in the bullet stop trap and cleaning of the bullet stop, trap, floors, walls, and ceiling of the firing range in Building 9. The *Lead Removal Work Plan, Indoor Firing Range, Building 9, Hardesty Federal Complex, Kansas City, Missouri*, Terracon Project No. 02027042, has been submitted to the GSA under separate cover (Reference 52).

Ash samples collected from the smokestack clean-out room, located in the basement of Building 3, were submitted to Test America, Inc. for TCLP RCRA Metals analysis using EPA Method 6010B. TCLP analysis was performed for the purpose of determining proper disposal methods for the ash. According to laboratory analytical results, arsenic, barium, cadmium, chromium, mercury, selenium, and silver were not detected above the laboratory report limits for each respective analyte for all of the ash samples (Table 4). Laboratory analytical results indicated that lead was detected in one of the ash samples at 0.830 mg/l. The EPA TCLP regulatory level for lead is 5 mg/l. Lead was not detected above the laboratory report limit in these ash samples. Based on these analytical results, the ash is not considered a hazardous waste.

Building 6 was originally constructed as a clothing treatment/renovation plant as part of the Chemical Warfare Service Project, operated by the Chemical Warfare Service. The purpose of the project was to treat new Army uniforms with "Impregnate I" to make them gas-resistant against chemicals such as "mustard gas." Old uniforms were to be laundered and then treated with "Impregnate I" (Reference 11). The following additional structures associated with the clothing treatment/renovation plant were formerly located south of Building 6, in an area currently grass-covered: a cooling tower, two pump houses, two storage tanks, and a recovery tank (Reference 11).

Groundwater and subsurface soil samples were submitted to Test America, Inc. for RCRA Metals analysis using EPA Method 6010B, VOCs analysis using EPA Method 8260B, and SVOCs analysis using EPA Method 8270C. RCRA Metals, VOCs, and SVOCs analyses were performed to address the potential contamination that may be present due to historical clothing chemical pretreatment activities, and storage of associated chemicals, at the subject site. Groundwater was collected from the site during three sampling events, February 2002, June/July 2002, and October 2002.

- February 2002 sampling event:

  - According to laboratory analytical results, SVOCs were not detected above the laboratory report limits in the groundwater or subsurface soil samples collected from the background boring or from the borings advanced in the grass-covered area (Tables 5 and 10). However, laboratory analytical results indicate that VOCs, such as TCE and PCA, and RCRA Metals, such as arsenic, barium, cadmium, chromium, and lead, were detected in groundwater at concentrations above the MDNR GTARC CALM from samples collected from the borings advanced in the grass-covered area. RCRA Metals such as arsenic, barium, cadmium, chromium, and lead, were detected in groundwater at concentrations above the MDNR GTARC CALM from samples collected from the background boring. According to laboratory analytical results, VOCs and RCRA Metals were not detected at concentrations above the MDNR STARC CALM for subsurface soil samples collected from the background boring or from the borings advanced in the grass-covered area.

- June/July 2002 sampling event:

  - According to groundwater laboratory analytical results, RCRA Metals were detected at concentrations above the laboratory report limits but below the MDNR GTARC CALM in the groundwater samples collected.

  - According to groundwater laboratory analytical results, VOCs such as PCA, TCA, PCE, and TCE were detected at concentrations above the MDNR GTARC CALM.

- October 2002 sampling event:

  - According to groundwater laboratory analytical results, VOCs such as PCA, PCE, TCA, TCE, and cis-DCE were detected at concentrations above the MDNR GTARC CALM.

The highest area of groundwater concentration of VOCs appears to be in the grass-covered area between Buildings 6 and 9, and toward the northeast, east, and southeast of the grass-covered area. Since VOCs have also been detected in probes advanced within approximately 25 feet of the north and east perimeter boundaries of the subject site, it appears that VOC contaminants have reached the boundary of the subject site, and may extend beyond the boundaries of the Hardesty Federal Complex to the north and east. VOCs above the MDNR GTARC CALM were not detected to the west of the grass-covered area.

Based on information obtained from Terracon's Phase I ESA report and Terracon's PA report of the site, it is possible that the source of the VOC contaminants may be associated with historical clothing chemical pretreatment activities that occurred at the site during World War II. VOC contaminants such as PCA, PCE, TCA, TCE, and cis-DCE can typically be associated with the use of dry-cleaning agents. The use of dry-cleaning agents was one of the functions of the Hardesty Federal Complex during its use a Quartermaster Depot. The treatment/renovation of new Army uniforms with "Impregnate I" to make them gas-resistant against chemicals such as "mustard gas," and the laundering of old uniforms, may have involved the use of dry-cleaning agents.

A release of potential CERCLA hazardous substances to the surface water, air, and/or soil pathways does not appear to have occurred, based on the following:

- Surface water: Overland drainage from the site flows toward the southeast into on-site storm water inlets. There are no on-site or adjoining water bodies, or state-listed or federally-listed critical species habitats. There are no hazardous wastes/materials currently stored at the site. There is no indication of past or present release of hazardous wastes/materials to any surface waters on site or in the vicinity of the site.

- Air: A release to the air is not suspected because there are no known activities or materials on site which appear to generate air emissions. In addition, during the site visit, no odors were detected and there was no indication of any smoke or blowing dust or soil. Portable air quality monitors (organic vapor analyzer and a four-gas meter) were carried on site during the SI. No measurements above background were detected.

- Soil Exposure: Laboratory analytical results do not indicate VOCs, SVOCs, or RCRA Metals at concentrations above the MDNR STARC CALM for soil samples collected at 12 to 16 feet below ground surface from the background boring or from the borings advanced in the grass-covered area between Buildings 6 and 9.

A release of potential CERCLA hazardous substances to shallow groundwater, possibly from the former on-site chemical holding tanks and clothing pre-treatment activities, appears to have occurred, based on the above-discussed laboratory analytical results of the groundwater samples. However, the groundwater in the area of the site is not potable (Reference 25) and is not relied on as a source of drinking water. There are no drinking water intakes located within seven miles downstream of the site. Although elevated levels of VOCs were detected in the groundwater samples collected from the site, it does not appear that there is a threat of contamination to drinking water supplies or an immediate threat to human health or the environment as defined in the USEPA "1991 Guidance for Performing Preliminary Assessments Under CERCLA."

8. REFERENCES

The references used in this report, as numbered below, are included as a separate binder attachment for both the PA and SI report texts. However, only the title page of general references and of large documents (such as References 21, 22, and 41) have been included in the attachment.

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3. National Oceanic and Atmosphere Administration, Normal Monthly Precipitation, compiled by the National Climatic Data Center, accessed December 17, 2001.

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5. Tracie Ragland, Terracon, Photodocumentation Log of the Hardesty Federal Complex Preliminary Assessment, November 28, 2001.

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7. Missouri Department of Natural Resources, Initial Site Screening, "Missouri Superfund Pre-CERCLIS Site Screening Form, Kansas City Records Center, Jackson County," September 11, 2000.

8. Terracon, Lenexa, Kansas, "Phase I Environmental Site Assessment, Hardesty Federal Center," Terracon Project No. 50997737, August 19, 1999.

9. Terracon, Lenexa, Kansas, "Phase II Environmental Audit for the Hardesty Complex," Terracon Project No. 50997097, November 11, 1999.

10. Quantem Laboratories, Oklahoma City, Oklahoma, "Environmental Chemistry Analysis Report," Hardesty Complex, Fly Ash, February 22, 2000.

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13. Art Gendreau, Assistant Director for the General Services Administration, and Tom Thomas, Maintenance Supervisor for the General Services Administration, personal interview with Tracie Ragland, Terracon, December 5, 2001. Re: Historic Operations at the Hardesty Federal Complex.

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15. James R. Macy, Regional Director, Missouri Department of Natural Resources, Division of Environmental Quality, Kansas City Regional Office, letter of correspondence to Jerry Groom, Federal Aviation Administration, March 16, 2001. Re: Notice of Violation #4974.

16. Thomas A. Curtis, Manager, Federal Aviation Administration, letter of correspondence to James R. Macy, Regional Director, Missouri Department of Natural Resources, Division of Environmental Quality, Kansas City Regional Office, April 19, 2001. Re: Response to Notice of Violation #4974.

17. Michael R. Miller, Environmental Specialist, Missouri Department of Natural Resources, Division of Environmental Quality, Kansas City Regional Office, letter of correspondence to Jerry Groom, Federal Aviation Administration, May 18, 2001. Re: Notice of Violation #4974.

18. Missouri Department of Natural Resources, Hazardous Waste Program, "Generator's Hazardous Waste Summary Report – Part I, 633 Hardesty Avenue," March 2, 1999 and July 7, 2000.

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20. General Services Administration, Public Buildings Service, Construction Management Division, Region 6, Kansas City, Missouri, "Master Plan, Federal Center, 607 Hardesty, Kansas City, Missouri," April 18, 1984.

21. United States Department of Agriculture, Soil Conservation Service, "Soil Survey of Jackson County, Missouri," September 1984.

22. Environmental Data Resources, Inc. (EDR), Southport, Connecticut, "The EDR Radius Atlas with Geocheck, 601 Hardesty Avenue," Inquiry No. 708022.1s, November 30, 2001.

23. Cape Environmental Management, Inc., Waukegan, Illinois, "Former Building 4 UST Closure Assessment Report, Federal Center, 607 Hardesty Avenue, Kansas City, Missouri," June 2000.

24. Cape Environmental Management, Inc., Waukegan, Illinois, "Former USTs Site Characterization Draft Report, Federal Center, 607 Hardesty Avenue, Kansas City, Missouri," April 2001.

25. John Reddy, City of Kansas City, Missouri, Water Supply Division, personal interview with Tracie Ragland, Terracon, December 5, 2001. Re: Kansas City Municipal Water Supply.

26. City of Kansas City, Missouri, Water Supply Division, "Schematic Layout of Pump Stations, Meters, Feeder Mains, and Reservoirs," May 13, 1994.

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APPENDIX A

Table 1: Sample Collection Data
Table 2: Analytical Results for Sand Samples, February 2002
Table 3: Analytical Results for Dust Wipe Samples, February 2002
Table 4: Analytical Results for Ash Samples, February 2002
Table 5: Analytical Results for Groundwater Samples, February 2002
Table 6: RCRA Metals Analytical Results for Groundwater Samples, June 2002
Table 7: VOC Analytical Results for Groundwater Samples, June 2002
Table 8: VOC Analytical Results for Groundwater Samples, July 2002
Table 9: VOC Analytical Results for Groundwater Samples, October 2002
Table 10: Analytical Results for Soil Samples, February 2002

HARDESTY FEDERAL COMPLEX
Table 1: Sample Collection Data

Media	Sample ID	Approximate Sample Location	Objective	Probe Depth (Feet bgs)	Depth To GW (Feet bgs)	Sampling Analysis	Date Collected	Time Collected
			February Sampling Event					
Source: Sand	Sand-1 (Left)	Building 9 firing range. Approximate equidistant location in bullet stop from other sampling points. 4 to 5 inches below the surface of the sand.	Determine lead concentration of sand in firing range bullet stop for disposal purposes.	NA	NA	TCLP Lead	2/19/02	1130
	Sand-2 (Center)	Building 9 firing range. Approximate equidistant location in bullet stop from other sampling points. 4 to 5 inches below the surface of the sand.	Determine lead concentration of sand in firing range bullet stop for disposal purposes.	NA	NA	TCLP Lead	2/19/02	1135
	Sand-3 (Right)	Building 9 firing range. Approximate equidistant location in bullet stop from other sampling points. 4 to 5 inches below the surface of the sand.	Determine lead concentration of sand in firing range bullet stop for disposal purposes.	NA	NA	TCLP Lead	2/19/02	1140
QA/QC	Sand-4F	Onsite.	Field blank (Distilled/Deionized Water).	NA	NA	TCLP Lead	2/19/02	1145
Source: Dust	1	Building 9 firing range. Floor. Southeast corner.	Determine lead concentration of dust on the walls and floor in firing range for cleanup/disposal purposes.	NA	NA	Lead Dust Wipe	2/19/02	1050
	2	Building 9 firing range. Floor. Southwest corner.	Determine lead concentration of dust on the walls and floor in firing range for cleanup/disposal purposes.	NA	NA	Lead Dust Wipe	2/19/02	1055
	3	Building 9 firing range. Floor. East central side.	Determine lead concentration of dust on the walls and floor in firing range for cleanup/disposal purposes.	NA	NA	Lead Dust Wipe	2/19/02	1100
	4	Building 9 firing range. Floor. Northeast corner.	Determine lead concentration of dust on the walls and floor in firing range for cleanup/disposal purposes.	NA	NA	Lead Dust Wipe	2/19/02	1105
	5	Building 9 firing range. Wall. Southeast side.	Determine lead concentration of dust on the walls and floor in firing range for cleanup/disposal purposes.	NA	NA	Lead Dust Wipe	2/19/02	1110
	6	Building 9 firing range. Wall. Southwest side.	Determine lead concentration of dust on the walls and floor in firing range for cleanup/disposal purposes.	NA	NA	Lead Dust Wipe	2/19/02	1115
	7	Building 9 firing range. Wall. Northeast side.	Determine lead concentration of dust on the walls and floor in firing range for cleanup/disposal purposes.	NA	NA	Lead Dust Wipe	2/19/02	1120
	8	Building 9 firing range. Wall. Northwest side.	Determine lead concentration of dust on the walls and floor in firing range for cleanup/disposal purposes.	NA	NA	Lead Dust Wipe	2/19/02	1125
Source: Ash	Ash-1 (North)	Building 3. Approximate equidistant location in clean-out room from other sampling points. 4 to 5 inches below the surface of the ash.	Determine types and concentrations of hazardous substances in ash in smokestack clean-out room for disposal purposes.	NA	NA	TCLP RCRA Metals	2/19/02	1000
	Ash-2 (East)	Building 3. Approximate equidistant location in clean-out room from other sampling points. 4 to 5 inches below the surface of the ash.	Determine types and concentrations of hazardous substances in ash in smokestack clean-out room for disposal purposes.	NA	NA	TCLP RCRA Metals	2/19/02	1010
	Ash-3 (West)	Building 3. Approximate equidistant location in clean-out room from other sampling points. 4 to 5 inches below the surface of the ash.	Determine types and concentrations of hazardous substances in ash in smokestack clean-out room for disposal purposes.	NA	NA	TCLP RCRA Metals	2/19/02	1015
QA/QC	Ash-4F	Onsite.	Field blank (Distilled/Deionized Water).	NA	NA	TCLP RCRA Metals	2/19/02	1030
Pathway: Groundwater	GW-1B	Approximately 100.00 feet south from the southwest corner of Building 10.	Groundwater to represent background conditions at the site (away from the suspected chemical storage area).	20.00	8.25	VOCs SVOCs RCRA Metals	2/20/02	0900
	GW-2	Approximately 62.00 feet east from the southwest corner of Building 6 and 18.00 feet south of Building 6.	Determine presence/absence of hazardous substances in the area of suspected chemical storage (former recovery tank).	50.00	49.00	VOCs SVOCs RCRA Metals	2/19/02	1300
	GW-3	Approximately 89.00 feet east from the southwest corner of Building 6 and 31.00 feet south of Building 6.	Determine presence/absence of hazardous substances in the area of suspected chemical storage (former pump house).	20.00	NA	VOCs SVOCs RCRA Metals	NC	NC
	GW-4	Approximately 105.00 feet east from the southwest corner of Building 6 and 50.00 feet south of Building 6.	Determine presence/absence of hazardous substances in the area of suspected chemical storage (former pit).	20.00	NA	VOCs SVOCs RCRA Metals	NC	NC
	GW-5	Approximately 132.00 feet east from the southwest corner of Building 6 and 36.00 feet south of Building 6.	Determine presence/absence of hazardous substances in the area of suspected chemical storage (former tank storage).	20.00	8.00	VOCs SVOCs RCRA Metals	2/20/02	1000
QA/QC	GW-6D	Approximately 132.00 feet east from the southwest corner of Building 6 and 36.00 feet south of Building 6.	Duplicate of GW-5.	20.00	8.00	VOCs SVOCs RCRA Metals	2/20/02	1030
	GW-7R	Approximately 105.00 feet east from the southwest corner of Building 6 and 50.00 feet south of Building 6.	Rinsate from GW-4.	NA	NA	VOCs SVOCs RCRA Metals	NC	NC
	GW-8T	Onsite.	Trip blank (Distilled/Deionized Water).	NA	NA	VOCs SVOCs RCRA Metals	2/20/02	1745

HARDESTY FEDERAL COMPLEX
Table 1: Sample Collection Data

Media	Sample ID	Approximate Sample Location	Objective	Probe Depth (Feet bgs)	Depth To GW (Feet bgs)	Sampling Analysis	Date Collected	Time Collected
February Sampling Event								
Pathway: Soil	SS-1B	Approximately 100.00 feet south from the southwest corner of Building 10. 12 to 16 feet bgs.	Native soil to represent background conditions at the site (away from the suspected chemical storage area).	20.00	NA	VOCs SVOCs RCRA Metals	2/19/02	1120
	SS-2	Approximately 62.00 feet east from the southwest corner of Building 6 and 18.00 feet south of Building 6. 12 to 16 feet bgs.	Determine presence/absence of hazardous substances in the area of suspected chemical storage (former recovery tank).	50.00	NA	VOCs SVOCs RCRA Metals	2/19/02	1200
	SS-3	Approximately 89.00 feet east from the southwest corner of Building 6 and 31.00 feet south of Building 6. 12 to 16 feet bgs.	Determine presence/absence of hazardous substances in the area of suspected chemical storage (former pump house).	20.00	NA	VOCs SVOCs RCRA Metals	2/20/02	1000
	SS-4	Approximately 105.00 feet east from the southwest corner of Building 6 and 50.00 feet south of Building 6. 12 to 16 feet bgs.	Determine presence/absence of hazardous substances in the area of suspected chemical storage (former pit).	20.00	NA	VOCs SVOCs RCRA Metals	2/20/02	1100
	SS-5	Approximately 132.00 feet east from the southwest corner of Building 6 and 36.00 feet south of Building 6. 12 to 16 feet bgs.	Determine presence/absence of hazardous substances in the area of suspected chemical storage (former tank storage).	20.00	NA	VOCs SVOCs RCRA Metals	2/19/02	1600
QA/QC	SS-6D	Approximately 105.00 feet east from the southwest corner of Building 6 and 50.00 feet south of Building 6. 12 to 16 feet bgs.	Duplicate of SS-4.	20.00	NA	VOCs SVOCs RCRA Metals	2/20/02	1130
	SS-7R*	Approximately 105.00 feet east from the southwest corner of Building 6 and 50.00 feet south of Building 6.	Rinsate from SS-4 (Distilled/Deionized Water).	NA	NA	VOCs SVOCs RCRA Metals	2/20/02	1230
June/July Sampling Event								
Pathway: Groundwater	GW-1	Approximately 70.00 feet south of Building 10 (asphalt-covered parking area).	Represent background conditions at the site.	18.62	13.75	VOCs only VOCs only	6/5/02 7/1/02	1240 1206
	GW-3	Approximately 50.00 feet northeast from the southeast corner of Building 6 (asphalt-covered parking area).	Assess the extent of VOCs and RCRA Metals.	47.80	33.15	VOCs and RCRA Metals	6/6/02	1725
	GW-4	Approximately 75.00 feet southeast from the northeast corner of Building 9 (asphalt-covered parking area).	Assess the extent of VOCs and RCRA Metals.	38.20	18.73	VOCs only	7/1/02	1145
	GW-5	Approximately 25.00 feet northwest from the northeast corner of Building 9 (grass-covered area).	Assess the source of VOCs and RCRA Metals.	45.75	30.50	VOCs and RCRA Metals	6/6/02	1740
	GW-8	Approximately 25.00 feet northeast from the northwest corner of Building 9 (grass-covered area).	Assess the source of VOCs and RCRA Metals.	18.37	13.75	VOCs only	7/1/02	1215
	GW-9	Approximately 200.00 feet northeast from the southeast corner of Building 6 (asphalt-covered parking area).	Assess the extent of VOCs and RCRA Metals.	38.41	19.35	VOCs only	7/1/02	1130
	Cape MW-4	Approximately 130.00 feet south of Cape MW-6 (asphalt-covered parking area).	Assess the extent of VOCs and RCRA Metals.	40.00	20.00	VOCs and RCRA Metals	6/5/02	1138
	Cape MW-6	Approximately 50.00 feet southwest from the southwest corner of Building 6 (asphalt-covered parking area).	Assess the extent of VOCs and RCRA Metals.	40.00	20.00	VOCs and RCRA Metals	6/5/02	1210
	Cape MW-X	Approximately 60.00 feet northwest from the southwest corner of Building 6 (asphalt-covered parking area).	Assess the extent of VOCs and RCRA Metals.	40.00	20.00	VOCs and RCRA Metals	6/5/02	1225
QA/QC	TB	Onsite.	Trip blank (Distilled/Deionized Water).	NA	NA	VOCs only VOCs only	6/5/02 7/1/02	NA
	FB	Onsite.	Field blank (Distilled/Deionized Water).	NA	NA	VOCs and RCRA Metals	6/6/02 7/1/02	NA
	FD-GW-3	Approximately 50.00 feet northeast from the southeast corner of Building 6 (asphalt-covered parking area).	Duplicate of GW-3.	47.80	33.15	VOCs and RCRA Metals	6/6/02	1725
	FD-GW-9	Approximately 200.00 feet northeast from the southeast corner of Building 6 (asphalt-covered parking area).	Duplicate of GW-9.	38.41	19.35	VOCs only	7/1/02	1130
October Sampling Event								
Pathway: Groundwater	GW-10	Approximately 25.00 feet south of north perimeter, 4.50 feet east of Building 6.	Determine if VOCs have reached the boundary of the subject site.	39.60	30.00	VOCs only	10/4/02	0935
	GW-11	Approximately 25.00 feet south of north perimeter, 231.58 feet east of Building 6.	Determine if VOCs have reached the boundary of the subject site.	39.40	27.30	VOCs only	10/4/02	1107
	GW-12	Approximately 41.25 feet south of north perimeter, 586.41 feet east of Building 6.	Determine if VOCs have reached the boundary of the subject site.	39.55	24.40	VOCs only	10/4/02	1150
	GW-13	Approximately 283.08 feet south of north perimeter, 489.41 feet east of Building 13.	Determine if VOCs have reached the boundary of the subject site.	44.60	19.10	VOCs only	10/4/02	1135
	GW-14	Approximately 575.58 feet south of north perimeter, 94.00 feet east of Building 9.	Determine if VOCs have reached the boundary of the subject site.	23.40	2.95	VOCs only	10/4/02	1244

HARDESTY FEDERAL COMPLEX
Table 1: Sample Collection Data

Media	Sample ID	Approximate Sample Location	Objective	Probe Depth (Feet bgs)	Depth To GW (Feet bgs)	Sampling Analysis	Date Collected	Time Collected
			October Sampling Event					
Pathway: Groundwater	GW-15	Approximately 436.33 feet south of north perimeter, 230.91 feet east of Building 9.	Determine if VOCs have reached the boundary of the subject site.	44.70	22.00	VOCs only	10/4/02	1233
	GW-16	Approximately 25.00 feet south of north perimeter, 392.41 feet east of Building 6.	Determine if VOCs have reached the boundary of the subject site.	39.30	29.60	VOCs only	10/4/02	1055
	GW-17	Approximately 125.00 feet south of north perimeter, 438.25 feet east of Building 6.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	40.16	22.37	VOCs only	10/4/02	1339
	GW-18	Approximately 122.00 feet south of north perimeter, 33.58 feet east of Building 6.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	44.60	15.20	VOCs only	10/4/02	0940
	GW-19	Approximately 122.33 feet south of north perimeter, 191.50 feet east of Building 6.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	39.60	12.00	VOCs only	10/4/02	1215
	GW-20	Approximately 278.33 feet south of north perimeter, 334.91 feet east of Building 13.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	44.20	21.85	VOCs only	10/4/02	1120
	GW-21	Approximately 504.83 feet south of north perimeter, 100.00 feet east of Building 9.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	44.32	17.48	VOCs only	10/4/02	1300
	GW-22	Approximately 387.41 feet south of north perimeter, 92.91 feet east of Building 9.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	44.40	38.25	VOCs only	10/4/02	1310
	GW-23	Approximately 274.33 feet south of north perimeter, 227.91 feet east of Building 13.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	44.40	15.00	VOCs only	10/4/02	1010
	GW-24	Approximately 175.00 feet south of north perimeter, 308.41 feet east of Building 6.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	39.58	37.83	VOCs only	10/4/02	1350
	GW-25	Approximately 182.50 feet south of north perimeter, 163.00 feet east of Building 6.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	34.60	17.75	VOCs only	10/4/02	1035
	GW-26	Approximately 188.00 feet south of north perimeter, 14.08 feet east of Building 6.	Assess horizontal extent of VOCs north, northeast, east, and southeast of suspected storage area of clothing treatment/renovation chemicals.	44.40	22.10	VOCs only	10/4/02	0947
QA/QC	GW-23D	Approximately 274.33 feet south of north perimeter, 227.91 feet east of Building 13.	Duplicate of GW-23.	44.40	15.00	VOCs only	10/4/02	1010
	FB at 19	Onsite at GW-19.	Field blank (Distilled/Deionized Water).	NA	NA	VOCs only	10/4/02	1215
	TB	Onsite.	Trip blank (Distilled/Deionized Water).	NA	NA	VOCs only	10/4/02	NA

B = Background
bgs = Below Ground Surface
D = Duplicate
F = Field Blank
FB = Field Blank
FD = Field Duplicate
GW = Groundwater
ID = Identification
MW = Monitoring Well
NA = Not Applicable
NC = Not Collected
QA/QC = Quality Assurance and Quality Control
R = Rinsate
RCRA = Resource Conservation and Recovery Act
SS = Soil Sample
SVOCs = Semi-Volatile Organic Compounds
T = Trip Blank

HARDESTY FEDERAL COMPLEX

Table 2: Analytical Results for Sand Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	EPA Regulatory Limit
SAND-1 LEFT	2/19/02	2/20/02	2/24/02	Lead	553.9	0.5	mg/l	6010B	5
SAND-1 LEFT	2/19/02	2/20/02	2/22/02	TCLP Extraction	Initiated			1311	
SAND-2 CENTER	2/19/02	2/20/02	2/24/02	Lead	610	0.5	mg/l	6010B	5
SAND-2 CENTER	2/19/02	2/20/02	2/22/02	TCLP Extraction	Initiated			1311	
SAND-3 RIGHT	2/19/02	2/20/02	2/24/02	Lead	603.8	0.5	mg/l	6010B	5
SAND-3 RIGHT	2/19/02	2/20/02	2/22/02	TCLP Extraction	Initiated			1311	
SAND-4F	2/19/02	2/20/02	2/22/02	Lead	< 0.5000	0.5	mg/l	6010B	

EPA = U.S. Environmental Protection Agency
F = Field Blank
ID = Identification
mg/l = milligrams per liter = parts per million (ppm)
TCLP = Toxicity Characteristic Leaching Procedure

Highlighted cells indicate laboratory analytical results for samples which exceed the EPA regulatory limit.

HARDESTY FEDERAL COMPLEX

Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-1B	2/20/02	2/21/02	2/25/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Ethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	2-Hexanone	< 0.01000	0.01	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Toluene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Xylenes (Total)	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/25/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-1B	2/20/02	2/21/02	2/22/02	Arsenic	0.34	0.005	mg/l	6010B	0.05
GW-1B	2/20/02	2/21/02	2/22/02	Barium	15.12	0.01	mg/l	6010B	2
GW-1B	2/20/02	2/21/02	2/22/02	Cadmium	0.036	0.001	mg/l	6010B	0.005
GW-1B	2/20/02	2/21/02	2/22/02	Chromium	1.352	0.005	mg/l	6010B	0.1
GW-1B	2/20/02	2/21/02	2/22/02	Lead	0.966	0.003	mg/l	6010B	0.015
GW-1B	2/20/02	2/21/02	2/22/02	Selenium	0.022	0.005	mg/l	6010B	0.05
GW-1B	2/20/02	2/21/02	2/22/02	Silver	< 0.0100	0.005	mg/l	6010B	
GW-1B	2/20/02	2/21/02	2/23/02	Mercury	0.0014	0.0002	mg/l	7470A	0.002
GW-2	2/20/02	2/21/02	2/24/02	Acenaphthene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Acenaphthylene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Anthracene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.0100	0.01	mg/l	8270C	

HARDESTY FEDERAL COMPLEX

Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-2	2/20/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	4-Bromophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Carbazole	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	4-Chloroaniline	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Bis(2-chloroethoxy)methane	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Bis(2-chloroethyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Bis(2-chloroisopropyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2-Chlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	4-Chlorophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Chrysene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Dibenzofuran	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Diethylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Dimethylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Di-n-Butylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Fluorene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Hexachloroethane	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Isophorone	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	3 and 4-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	3-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	4-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Nitrobenzene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	4-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	N-Nitroso-Di-n-Propylamine	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	N-Nitrosodiphenylamine	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Pentachlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Phenanthrene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Phenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Pyrene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-2	2/20/02	2/21/02	2/23/02	Acetone	< 0.05000	0.05	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Benzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	2-Butanone	< 0.05000	0.05	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-2	2/20/02	2/21/02	2/23/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Ethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	2-Hexanone	< 0.01000	0.01	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Toluene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Trichloroethene	0.0728	0.002	mg/l	8260B	0.005
GW-2	2/20/02	2/21/02	2/23/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Xylenes (Total)	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/20/02	2/21/02	2/23/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-2	2/19/02	2/21/02	2/22/02	Arsenic	0.622	0.005	mg/l	6010B	0.05
GW-2	2/19/02	2/21/02	2/22/02	Barium	3.76	0.01	mg/l	6010B	2
GW-2	2/19/02	2/21/02	2/22/02	Cadmium	0.034	0.001	mg/l	6010B	0.005
GW-2	2/19/02	2/21/02	2/22/02	Chromium	0.362	0.005	mg/l	6010B	0.1
GW-2	2/19/02	2/21/02	2/22/02	Lead	0.368	0.003	mg/l	6010B	0.015
GW-2	2/19/02	2/21/02	2/22/02	Selenium	0.042	0.005	mg/l	6010B	0.05
GW-2	2/19/02	2/21/02	2/22/02	Silver	< 0.0100	0.005	mg/l	6010B	
GW-2	2/19/02	2/21/02	2/23/02	Mercury	< 0.0002	0.0002	mg/l	7470A	
GW-5	2/20/02	2/21/02	2/24/02	Acenaphthene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Acenaphthylene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Anthracene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	4-Bromophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Carbazole	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	4-Chloroaniline	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Bis(2-chloroethoxy)methane	< 0.0100	0.01	mg/l	8270C	

HARDESTY FEDERAL COMPLEX
Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-5	2/20/02	2/21/02	2/24/02	Bis(2-chloroethyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Bis(2-chloroisopropyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2-Chlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	4-Chlorophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Chrysene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Dibenzofuran	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Diethylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Dimethylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Di-n-Butylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Fluorene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Hexachloroethane	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Isophorone	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	3 and 4-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	3-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	4-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Nitrobenzene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	4-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	N-Nitroso-Di-n-Propylamine	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	N-Nitrosodiphenylamine	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Pentachlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Phenanthrene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Phenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Pyrene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-5	2/20/02	2/21/02	2/23/02	Acetone	< 0.05000	0.05	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Benzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	2-Butanone	< 0.05000	0.05	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-5	2/20/02	2/21/02	2/23/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	cis-1,2-Dichloroethene	0.0542	0.002	mg/l	8260B	0.07
GW-5	2/20/02	2/21/02	2/23/02	trans-1,2-Dichloroethene	0.0038	0.002	mg/l	8260B	0.1
GW-5	2/20/02	2/21/02	2/23/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Ethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	2-Hexanone	< 0.01000	0.01	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,1,2,2-Tetrachloroethane	0.0023	0.002	mg/l	8260B	0.0003
GW-5	2/20/02	2/21/02	2/23/02	Tetrachloroethene	0.0032	0.002	mg/l	8260B	0.005
GW-5	2/20/02	2/21/02	2/23/02	Toluene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Trichloroethene	0.0515	0.002	mg/l	8260B	0.005
GW-5	2/20/02	2/21/02	2/23/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Xylenes (Total)	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/23/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-5	2/20/02	2/21/02	2/22/02	Arsenic	0.025	0.005	mg/l	6010B	0.05
GW-5	2/20/02	2/21/02	2/22/02	Barium	1	0.01	mg/l	6010B	2
GW-5	2/20/02	2/21/02	2/22/02	Cadmium	0.004	0.001	mg/l	6010B	0.005
GW-5	2/20/02	2/21/02	2/22/02	Chromium	0.062	0.005	mg/l	6010B	0.1
GW-5	2/20/02	2/21/02	2/22/02	Lead	0.109	0.003	mg/l	6010B	0.015
GW-5	2/20/02	2/21/02	2/22/02	Selenium	< 0.0050	0.005	mg/l	6010B	
GW-5	2/20/02	2/21/02	2/22/02	Silver	< 0.0050	0.005	mg/l	6010B	
GW-5	2/20/02	2/21/02	2/23/02	Mercury	0.0007	0.0002	mg/l	7470A	0.002
GW-6D	2/20/02	2/21/02	2/24/02	Acenaphthene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Acenaphthylene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Anthracene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	4-Bromophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Carbazole	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	4-Chloroaniline	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Bis(2-chloroethoxy)methane	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Bis(2-chloroethyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Bis(2-chloroisopropyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2-Chlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	4-Chlorophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Chrysene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Dibenzofuran	< 0.0100	0.01	mg/l	8270C	

HARDESTY FEDERAL COMPLEX

Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-6D	2/20/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Diethylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Dimethylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Di-n-Butylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Fluorene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Hexachloroethane	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Isophorone	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	3 and 4-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	3-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	4-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Nitrobenzene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	4-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	N-Nitroso-Di-n-Propylamine	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	N-Nitrosodiphenylamine	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Pentachlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Phenanthrene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Phenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Pyrene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-6D	2/20/02	2/21/02	2/23/02	Acetone	< 0.05000	0.05	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Benzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	2-Butanone	< 0.05000	0.05	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX
Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-6D	2/20/02	2/21/02	2/23/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	cis-1,2-Dichloroethene	0.0627	0.002	mg/l	8260B	0.07
GW-6D	2/20/02	2/21/02	2/23/02	trans-1,2-Dichloroethene	0.0049	0.002	mg/l	8260B	0.1
GW-6D	2/20/02	2/21/02	2/23/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Ethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	2-Hexanone	< 0.01000	0.01	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,1,2,2-Tetrachloroethane	0.0022	0.002	mg/l	8260B	0.0003
GW-6D	2/20/02	2/21/02	2/23/02	Tetrachloroethene	0.0038	0.002	mg/l	8260B	0.005
GW-6D	2/20/02	2/21/02	2/23/02	Toluene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Trichloroethene	0.0633	0.002	mg/l	8260B	0.005
GW-6D	2/20/02	2/21/02	2/23/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Xylenes (Total)	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/23/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-6D	2/20/02	2/21/02	2/22/02	Arsenic	0.028	0.005	mg/l	6010B	0.05
GW-6D	2/20/02	2/21/02	2/22/02	Barium	0.977	0.01	mg/l	6010B	2
GW-6D	2/20/02	2/21/02	2/22/02	Cadmium	0.004	0.001	mg/l	6010B	0.005
GW-6D	2/20/02	2/21/02	2/22/02	Chromium	0.059	0.005	mg/l	6010B	0.1
GW-6D	2/20/02	2/21/02	2/22/02	Lead	0.101	0.003	mg/l	6010B	0.015
GW-6D	2/20/02	2/21/02	2/22/02	Selenium	0.007	0.005	mg/l	6010B	0.05
GW-6D	2/20/02	2/21/02	2/22/02	Silver	< 0.0050	0.005	mg/l	6010B	
GW-6D	2/20/02	2/21/02	2/23/02	Mercury	0.0009	0.0002	mg/l	7470A	0.002
GW-8T	2/20/02	2/21/02	2/24/02	Acenaphthene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Acenaphthylene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Anthracene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	4-Bromophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Carbazole	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	4-Chloroaniline	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Bis(2-chloroethoxy)methane	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Bis(2-chloroethyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Bis(2-chloroisopropyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2-Chlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	4-Chlorophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Chrysene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Dibenzofuran	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Diethylphthalate	< 0.0100	0.01	mg/l	8270C	

HARDESTY FEDERAL COMPLEX
Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-8T	2/20/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Dimethylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Di-n-Butylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Fluorene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Hexachloroethane	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Isophorone	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	3 and 4-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	3-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	4-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Nitrobenzene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	4-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	N-Nitroso-Di-n-Propylamine	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	N-Nitrosodiphenylamine	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Pentachlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Phenanthrene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Phenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Pyrene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-8T	2/20/02	2/21/02	2/23/02	Acetone	< 0.05000	0.05	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Benzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	2-Butanone	< 0.05000	0.05	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Chloroform	0.0045	0.002	mg/l	8260B	0.08
GW-8T	2/20/02	2/21/02	2/23/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-8T	2/20/02	2/21/02	2/23/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Ethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	2-Hexanone	< 0.01000	0.01	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Toluene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Xylenes (Total)	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/23/02	Bromodichloromethane	0.0027	0.002	mg/l	8260B	0.08
GW-8T	2/20/02	2/21/02	2/23/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-8T	2/20/02	2/21/02	2/22/02	Arsenic	< 0.0050	0.005	mg/l	6010B	
GW-8T	2/20/02	2/21/02	2/22/02	Barium	< 0.0100	0.01	mg/l	6010B	
GW-8T	2/20/02	2/21/02	2/22/02	Cadmium	< 0.0010	0.001	mg/l	6010B	
GW-8T	2/20/02	2/21/02	2/22/02	Chromium	< 0.0050	0.005	mg/l	6010B	
GW-8T	2/20/02	2/21/02	2/22/02	Lead	< 0.0030	0.003	mg/l	6010B	
GW-8T	2/20/02	2/21/02	2/22/02	Selenium	< 0.0050	0.005	mg/l	6010B	
GW-8T	2/20/02	2/21/02	2/22/02	Silver	< 0.0050	0.005	mg/l	6010B	
GW-8T	2/20/02	2/21/02	2/23/02	Mercury	< 0.0002	0.0002	mg/l	7470A	
TB		2/21/02	2/23/02	Acetone	< 0.05000	0.05	mg/l	8260B	
TB		2/21/02	2/23/02	Benzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	2-Butanone	< 0.05000	0.05	mg/l	8260B	
TB		2/21/02	2/23/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/l	8260B	
TB		2/21/02	2/23/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX
Table 5: Analytical Results for Groundwater Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
TB		2/21/02	2/23/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Ethylbenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	2-Hexanone	< 0.01000	0.01	mg/l	8260B	
TB		2/21/02	2/23/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/l	8260B	
TB		2/21/02	2/23/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
TB		2/21/02	2/23/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
TB		2/21/02	2/23/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Styrene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Toluene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Xylenes (Total)	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
TB		2/21/02	2/23/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	

B = Background
CALM = Cleanup Levels for Missouri
D = Duplicate
GTARC = Groundwater Target Concentration
GW = Groundwater
ID = Identification
MDNR = Missouri Department of Natural Resources
mg/l = milligrams per liter = parts per million (ppm)
T = Terracon Trip Blank
TB = Test America Trip Blank

Highlighted cells indicate laboratory analytical results for samples which exceed the MDNR GTARC CALM.

HARDESTY FEDERAL COMPLEX

Table 6: RCRA Metals Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Lab Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
CAPE-4	6/ 5/02	6/ 7/02	6/ 8/02	Arsenic	< 0.0050	0.005	mg/l	6010B	
CAPE-4	6/ 5/02	6/ 7/02	6/ 8/02	Barium	0.048	0.01	mg/l	6010B	2
CAPE-4	6/ 5/02	6/ 7/02	6/ 8/02	Cadmium	< 0.0010	0.001	mg/l	6010B	
CAPE-4	6/ 5/02	6/ 7/02	6/ 8/02	Chromium	< 0.0050	0.005	mg/l	6010B	
CAPE-4	6/ 5/02	6/ 7/02	6/ 8/02	Lead	< 0.0030	0.003	mg/l	6010B	
CAPE-4	6/ 5/02	6/ 7/02	6/ 8/02	Selenium	< 0.0050	0.005	mg/l	6010B	
CAPE-4	6/ 5/02	6/ 7/02	6/ 8/02	Silver	< 0.0050	0.005	mg/l	6010B	
CAPE-4	6/ 5/02	6/ 7/02	6/10/02	Mercury	< 0.00020	0.0002	mg/l	7470A	
CAPE-X	6/ 5/02	6/ 7/02	6/ 8/02	Arsenic	< 0.0050	0.005	mg/l	6010B	
CAPE-X	6/ 5/02	6/ 7/02	6/ 8/02	Barium	0.079	0.01	mg/l	6010B	2
CAPE-X	6/ 5/02	6/ 7/02	6/ 8/02	Cadmium	< 0.0010	0.001	mg/l	6010B	
CAPE-X	6/ 5/02	6/ 7/02	6/ 8/02	Chromium	< 0.0050	0.005	mg/l	6010B	
CAPE-X	6/ 5/02	6/ 7/02	6/ 8/02	Lead	< 0.0030	0.003	mg/l	6010B	
CAPE-X	6/ 5/02	6/ 7/02	6/ 8/02	Selenium	< 0.0050	0.005	mg/l	6010B	
CAPE-X	6/ 5/02	6/ 7/02	6/ 8/02	Silver	< 0.0050	0.005	mg/l	6010B	
CAPE-X	6/ 5/02	6/ 7/02	6/10/02	Mercury	< 0.00020	0.0002	mg/l	7470A	
CAPE-6	6/ 5/02	6/ 7/02	6/ 8/02	Arsenic	0.034	0.005	mg/l	6010B	0.05
CAPE-6	6/ 5/02	6/ 7/02	6/ 8/02	Barium	0.751	0.01	mg/l	6010B	2
CAPE-6	6/ 5/02	6/ 7/02	6/ 8/02	Cadmium	0.004	0.001	mg/l	6010B	0.005
CAPE-6	6/ 5/02	6/ 7/02	6/ 8/02	Chromium	0.007	0.005	mg/l	6010B	0.1
CAPE-6	6/ 5/02	6/ 7/02	6/ 8/02	Lead	< 0.0030	0.003	mg/l	6010B	
CAPE-6	6/ 5/02	6/ 7/02	6/ 8/02	Selenium	< 0.0050	0.005	mg/l	6010B	
CAPE-6	6/ 5/02	6/ 7/02	6/ 8/02	Silver	< 0.0050	0.005	mg/l	6010B	
CAPE-6	6/ 5/02	6/ 7/02	6/10/02	Mercury	< 0.00020	0.0002	mg/l	7470A	
FB	6/ 6/02	6/ 7/02	6/ 8/02	Arsenic	< 0.0050	0.005	mg/l	6010B	
FB	6/ 6/02	6/ 7/02	6/ 8/02	Barium	< 0.0100	0.01	mg/l	6010B	
FB	6/ 6/02	6/ 7/02	6/ 8/02	Cadmium	< 0.0010	0.001	mg/l	6010B	
FB	6/ 6/02	6/ 7/02	6/ 8/02	Chromium	< 0.0050	0.005	mg/l	6010B	
FB	6/ 6/02	6/ 7/02	6/ 8/02	Lead	< 0.0030	0.003	mg/l	6010B	
FB	6/ 6/02	6/ 7/02	6/ 8/02	Selenium	< 0.0050	0.005	mg/l	6010B	
FB	6/ 6/02	6/ 7/02	6/ 8/02	Silver	< 0.0050	0.005	mg/l	6010B	
FB	6/ 6/02	6/ 7/02	6/10/02	Mercury	< 0.00020	0.0002	mg/l	7470A	
GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Arsenic	< 0.0050	0.005	mg/l	6010B	
GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Barium	0.315	0.01	mg/l	6010B	2
GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Cadmium	< 0.0010	0.001	mg/l	6010B	
GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Chromium	< 0.0050	0.005	mg/l	6010B	
GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Lead	< 0.0030	0.003	mg/l	6010B	
GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Selenium	< 0.0050	0.005	mg/l	6010B	
GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Silver	< 0.0050	0.005	mg/l	6010B	
GW-3	6/ 6/02	6/ 7/02	6/10/02	Mercury	< 0.00020	0.0002	mg/l	7470A	
FD-GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Arsenic	< 0.0050	0.005	mg/l	6010B	
FD-GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Barium	0.317	0.01	mg/l	6010B	2
FD-GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Cadmium	0.001	0.001	mg/l	6010B	0.005
FD-GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Chromium	< 0.0050	0.005	mg/l	6010B	
FD-GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Lead	< 0.0030	0.003	mg/l	6010B	
FD-GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Selenium	< 0.0050	0.005	mg/l	6010B	
FD-GW-3	6/ 6/02	6/ 7/02	6/ 8/02	Silver	< 0.0050	0.005	mg/l	6010B	
FD-GW-3	6/ 6/02	6/ 7/02	6/10/02	Mercury	< 0.00020	0.0002	mg/l	7470A	
GW-5	6/ 6/02	6/ 7/02	6/ 8/02	Arsenic	< 0.0050	0.005	mg/l	6010B	
GW-5	6/ 6/02	6/ 7/02	6/ 8/02	Barium	0.141	0.01	mg/l	6010B	2
GW-5	6/ 6/02	6/ 7/02	6/ 8/02	Cadmium	0.001	0.001	mg/l	6010B	0.005
GW-5	6/ 6/02	6/ 7/02	6/ 8/02	Chromium	< 0.0050	0.005	mg/l	6010B	
GW-5	6/ 6/02	6/ 7/02	6/ 8/02	Lead	< 0.0030	0.003	mg/l	6010B	
GW-5	6/ 6/02	6/ 7/02	6/ 8/02	Selenium	< 0.0050	0.005	mg/l	6010B	
GW-5	6/ 6/02	6/ 7/02	6/ 8/02	Silver	< 0.0050	0.005	mg/l	6010B	
GW-5	6/ 6/02	6/ 7/02	6/10/02	Mercury	< 0.00020	0.0002	mg/l	7470A	

CALM = Cleanup Levels for Missouri
FB = Field Blank
FD = Field Duplicate
GTARC = Groundwater Target Concentration
GW = Groundwater
ID = Identification
MDNR = Missouri Department of Natural Resources
mg/l = milligrams per liter = parts per million (ppm)
RCRA = Resource Conservation and Recovery Act

HARDESTY FEDERAL COMPLEX

Table 7: VOC Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-1	6/ 5/02	6/ 7/02	6/11/02	Acetone	< 0.0500	0.05	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	sec-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	cis-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	trans-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Styrene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,1,2,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Tetrachloroethene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,1,2-Trichlordethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Trichloroethene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
GW-1	6/ 5/02	6/ 7/02	6/11/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Acetone	< 0.0500	0.05	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Benzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	sec-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 7: VOC Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	cis-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	trans-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Styrene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,1,2,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Tetrachloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Toluene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,1,2-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Trichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-4	6/ 5/02	6/ 7/02	6/11/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Acetone	< 0.0500	0.05	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Benzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	sec-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 7: VOC Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	cis-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	trans-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Styrene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,1,2,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Tetrachloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Toluene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,1,2-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Trichloroethene	0.0032	0.002	mg/l	8260B	0.005
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-X	6/ 5/02	6/ 7/02	6/11/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Acetone	< 0.0500	0.05	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Benzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	sec-Butylbenzene	0.0067	0.002	mg/l	8260B	none
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichlorobenzene	0.0045	0.002	mg/l	8260B	0.6
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	cis-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	trans-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 7: VOC Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Styrene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,1,2,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Tetrachloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Toluene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,1,2-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Trichloroethene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
CAPE-6	6/ 5/02	6/ 7/02	6/11/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Acetone	< 0.0500	0.05	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Benzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	sec-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	cis-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	trans-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Styrene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,1,2,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 7: VOC Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
TB	6/ 5/02	6/ 7/02	6/11/02	Tetrachloroethene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Toluene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,1,2-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Trichloroethene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
TB	6/ 5/02	6/ 7/02	6/11/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Acetone	< 0.0500	0.05	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	sec-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	cis-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	trans-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Styrene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,1,2,2-Tetrachloroethane	0.0211	0.002	mg/l	8260B	0.0003
GW-3	6/ 6/02	6/ 7/02	6/11/02	Tetrachloroethene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,1,2-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Trichloroethene	0.0799	0.002	mg/l	8260B	0.005
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 7: VOC Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-3	6/ 6/02	6/ 7/02	6/11/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
GW-3	6/ 6/02	6/ 7/02	6/11/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Acetone	< 0.0500	0.05	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Benzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	sec-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	cis-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	trans-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Styrene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,1,2,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Tetrachloroethene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Toluene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,1,2-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Trichloroethene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
FB	6/ 6/02	6/ 7/02	6/11/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Acetone	< 0.0500	0.05	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	sec-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 7: VOC Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-5	6/ 6/02	6/ 7/02	6/11/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichloroethane	0.0028	0.002	mg/l	8260B	0.005
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	cis-1,2-Dichloroethene	0.0273	0.002	mg/l	8260B	0.07
GW-5	6/ 6/02	6/ 7/02	6/11/02	trans-1,2-Dichloroethene	0.0023	0.002	mg/l	8260B	0.1
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Styrene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/12/02	1,1,2,2-Tetrachloroethane	0.269	0.02	mg/l	8260B	0.0003
GW-5	6/ 6/02	6/ 7/02	6/11/02	Tetrachloroethene	0.0196	0.002	mg/l	8260B	0.005
GW-5	6/ 6/02	6/ 7/02	6/11/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,1,2-Trichloroethane	0.0112	0.002	mg/l	8260B	0.005
GW-5	6/ 6/02	6/ 7/02	6/12/02	Trichloroethene	2.07	0.2	mg/l	8260B	0.005
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
GW-5	6/ 6/02	6/ 7/02	6/11/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Acetone	0.0161	0.05	mg/l	8260B	none
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Benzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Bromobenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Bromochloromethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Bromoform	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Bromomethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	2-Butanone	0.0138	0.05	mg/l	8260B	none
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	n-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	sec-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	t-Butylbenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Carbon disulfide	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Carbon tetrachloride	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Chlorobenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Chloroethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Chloroform	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Chloromethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	2-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	4-Chlorotoluene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Dibromochloromethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2-Dibromoethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Dibromomethane	< 0.0020	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 7: VOC Analytical Results for Groundwater Samples, June 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,3-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,4-Dichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Dichlorodifluoromethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,1-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2-Dichloroethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,1-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	cis-1,2-Dichloroethene	0.0072	0.002	mg/l	8260B	0.07
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	trans-1,2-Dichloroethene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,3-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	2,2-Dichloropropane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,1-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	cis-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	trans-1,3-Dichloropropene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Hexachlorobutadiene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Isopropylbenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	4-Isopropyltoluene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Methylene chloride	< 0.0050	0.005	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Naphthalene	< 0.0050	0.005	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	n-Propylbenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Styrene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,1,1,2-Tetrachloroethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,1,2,2-Tetrachloroethane	0.166	0.002	mg/l	8260B	0.0003
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Tetrachloroethene	0.0013	0.002	mg/l	8260B	0.005
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Toluene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2,3-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2,4-Trichlorobenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,1,1-Trichloroethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,1,2-Trichloroethane	0.0084	0.002	mg/l	8260B	0.005
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Trichloroethene	0.239	0.02	mg/l	8260B	0.005
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2,3-Trichloropropane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	1,3,5-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Vinyl chloride	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Bromodichloromethane	< 0.0020	0.002	mg/l	8260B	
FD-GW-3	6/ 6/02	6/ 7/02	6/12/02	Trichlorofluoromethane	< 0.0020	0.002	mg/l	8260B	

CALM = Cleanup Levels for Missouri
FB = Field Blank
FD = Field Duplicate
GTARC = Groundwater Target Concentration
GW = Groundwater
ID = Identification
MDNR = Missouri Department of Natural Resources
mg/l = milligrams per liter = parts per million (ppm)
TB = Trip Blank
VOC = Volatile Organic Compounds

Highlighted cells indicate laboratory analytical results for samples which exceed the MDNR GTARC CALM.

HARDESTY FEDERAL COMPLEX

Table 8: VOC Analytical Results for Groundwater Samples, July 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Acetone	< 0.0500	0.05	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Benzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Bromobenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Bromochloromethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Bromoform	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Bromomethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	n-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	sec-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	t-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Carbon disulfide	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Carbon tetrachloride	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Chlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Chloroethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Chloroform	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Chloromethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	2-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	4-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Dibromochloromethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromoethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Dibromomethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,4-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Dichlorodifluoromethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	2,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Ethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Hexachlorobutadiene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Isopropylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	4-Isopropyltoluene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	n-Propylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Styrene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Tetrachloroethene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Toluene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Trichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	1,3,5-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Vinyl chloride	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Xylenes (Total)	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Bromodichloromethane	< 0.00100	0.001	mg/l	8260B	
GW-1	7/ 1/02	7/ 2/02	7/ 6/02	Trichlorofluoromethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Acetone	0.0154	0.05	mg/l	8260B	none
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Benzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Bromobenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Bromochloromethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Bromoform	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Bromomethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	2-Butanone	0.012	0.05	mg/l	8260B	none
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	n-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	sec-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	t-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Carbon disulfide	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Carbon tetrachloride	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Chlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Chloroethane	< 0.00100	0.001	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 8: VOC Analytical Results for Groundwater Samples, July 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Chloroform	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Chloromethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	2-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	4-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Dibromochloromethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromoethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Dibromomethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,4-Dichlorobenzene	0.0005	0.001	mg/l	8260B	0.075
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Dichlorodifluoromethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,2-Dichloroethene	0.039	0.001	mg/l	8260B	0.07
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,2-Dichloroethene	0.0056	0.001	mg/l	8260B	0.1
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	2,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Ethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Hexachlorobutadiene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Isopropylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	4-Isopropyltoluene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	n-Propylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Styrene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2,2-Tetrachloroethane	0.124	0.001	mg/l	8260B	0.0003
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Tetrachloroethene	0.0057	0.001	mg/l	8260B	0.005
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Toluene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2-Trichloroethane	0.0075	0.001	mg/l	8260B	0.005
GW-4	7/ 1/02	7/ 2/02	7/ 7/02	Trichloroethene	0.812	0.01	mg/l	8260B	0.005
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	1,3,5-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Vinyl chloride	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Xylenes (Total)	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Bromodichloromethane	< 0.00100	0.001	mg/l	8260B	
GW-4	7/ 1/02	7/ 2/02	7/ 6/02	Trichlorofluoromethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Acetone	< 0.0500	0.05	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Benzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Bromobenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Bromochloromethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Bromoform	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Bromomethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	n-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	sec-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	t-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Carbon disulfide	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Carbon tetrachloride	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Chlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Chloroethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Chloroform	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Chloromethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	2-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	4-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Dibromochloromethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2-Dibromoethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Dibromomethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,3-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,4-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Dichlorodifluoromethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,1-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2-Dichloroethane	< 0.00100	0.001	mg/l	8260B	

HARDESTY FEDERAL COMPLEX
Table 8: VOC Analytical Results for Groundwater Samples, July 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,1-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	cis-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	trans-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,3-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	2,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,1-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	cis-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	trans-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Ethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Hexachlorobutadiene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Isopropylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	4-Isopropyltoluene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	n-Propylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Styrene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,1,1,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,1,2,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Tetrachloroethene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Toluene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2,3-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2,4-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,1,1-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,1,2-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Trichloroethene	0.0011	0.001	mg/l	8260B	0.005
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2,3-Trichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,2,4-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	1,3,5-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Vinyl chloride	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Xylenes (Total)	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Bromodichloromethane	< 0.00100	0.001	mg/l	8260B	
GW-8	7/ 1/02	7/ 2/02	7/ 7/02	Trichlorofluoromethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Acetone	< 0.0500	0.05	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Benzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromobenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromochloromethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromoform	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromomethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	n-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	sec-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	t-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Carbon disulfide	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Carbon tetrachloride	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Chlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Chloroethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Chloroform	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Chloromethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	2-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	4-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Dibromochloromethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromoethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Dibromomethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,4-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Dichlorodifluoromethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloropropane	0.0008	0.001	mg/l	8260B	0.005
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	2,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Ethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Hexachlorobutadiene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Isopropylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	4-Isopropyltoluene	< 0.00100	0.001	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 8: VOC Analytical Results for Groundwater Samples, July 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	n-Propylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Styrene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2,2-Tetrachloroethane	0.001	0.001	mg/l	8260B	0.0003
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Tetrachloroethene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Toluene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Trichloroethene	0.0191	0.001	mg/l	8260B	0.005
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichloropropane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,3,5-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Vinyl chloride	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Xylenes (Total)	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromodichloromethane	< 0.00100	0.001	mg/l	8260B	
GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Trichlorofluoromethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Acetone	< 0.0500	0.05	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Benzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromobenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromochloromethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromoform	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromomethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	n-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	sec-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	t-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Carbon disulfide	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Carbon tetrachloride	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Chlorobenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Chloroethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Chloroform	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Chloromethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	2-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	4-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Dibromochloromethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromoethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Dibromomethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,4-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Dichlorodifluoromethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloropropane	0.0008	0.001	mg/l	8260B	0.005
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	2,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Ethylbenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Hexachlorobutadiene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Isopropylbenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	4-Isopropyltoluene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	n-Propylbenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Styrene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2,2-Tetrachloroethane	0.0011	0.001	mg/l	8260B	0.0003
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Tetrachloroethene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Toluene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Trichloroethene	0.0188	0.001	mg/l	8260B	0.005

HARDESTY FEDERAL COMPLEX
Table 8: VOC Analytical Results for Groundwater Samples, July 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichloropropane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	1,3,5-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Vinyl chloride	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Xylenes (Total)	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Bromodichloromethane	< 0.00100	0.001	mg/l	8260B	
FD,GW-9	7/ 1/02	7/ 2/02	7/ 6/02	Trichlorofluoromethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Acetone	< 0.0500	0.05	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Benzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Bromobenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Bromochloromethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Bromoform	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Bromomethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	n-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	sec-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	t-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Carbon disulfide	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Carbon tetrachloride	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Chlorobenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Chloroethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Chloroform	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Chloromethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	2-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	4-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Dibromochloromethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromoethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Dibromomethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,4-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Dichlorodifluoromethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	2,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Ethylbenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Hexachlorobutadiene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Isopropylbenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	4-Isopropyltoluene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	n-Propylbenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Styrene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Tetrachloroethene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Toluene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Trichloroethene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichloropropane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	1,3,5-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Vinyl chloride	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Xylenes (Total)	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Bromodichloromethane	< 0.00100	0.001	mg/l	8260B	
FB	7/ 1/02	7/ 2/02	7/ 6/02	Trichlorofluoromethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Acetone	< 0.0500	0.05	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Benzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Bromobenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Bromochloromethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Bromoform	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Bromomethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	2-Butanone	< 0.0500	0.05	mg/l	8260B	

HARDESTY FEDERAL COMPLEX
Table 8: VOC Analytical Results for Groundwater Samples, July 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
TB	7/ 1/02	7/ 2/02	7/ 6/02	n-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	sec-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	t-Butylbenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Carbon disulfide	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Carbon tetrachloride	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Chlorobenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Chloroethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Chloroform	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Chloromethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	2-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	4-Chlorotoluene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Dibromochloromethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dibromoethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Dibromomethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,4-Dichlorobenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Dichlorodifluoromethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloroethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,2-Dichloroethene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,3-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	2,2-Dichloropropane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,1-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	cis-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	trans-1,3-Dichloropropene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Ethylbenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Hexachlorobutadiene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Isopropylbenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	4-Isopropyltoluene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	n-Propylbenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Styrene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2,2-Tetrachloroethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Tetrachloroethene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Toluene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trichlorobenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,1,1-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,1,2-Trichloroethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Trichloroethene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2,3-Trichloropropane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,2,4-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	1,3,5-Trimethylbenzene	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Vinyl chloride	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Xylenes (Total)	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Bromodichloromethane	< 0.00100	0.001	mg/l	8260B	
TB	7/ 1/02	7/ 2/02	7/ 6/02	Trichlorofluoromethane	< 0.00100	0.001	mg/l	8260B	

CALM = Cleanup Levels for Missouri
FB = Field Blank
FD = Field Duplicate
GTARC = Groundwater Target Concentration
GW = Groundwater
ID = Identification
MDNR = Missouri Department of Natural Resources
mg/l = milligrams per liter = parts per million (ppm)
TB = Trip Blank
VOC = Volatile Organic Compounds

Highlighted cells indicate laboratory analytical results for samples which exceed the MDNR GTARC CALM.

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-10	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Chloroform	0.0034	0.002	mg/l	8260B	0.08
GW-10	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	0.0334	0.002	mg/l	8260B	0.07
GW-10	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	0.0081	0.002	mg/l	8260B	0.1
GW-10	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	3.11	0.2	mg/l	8260B	0.0003
GW-10	10/4/02	10/5/02	10/10/02	Tetrachloroethene	0.0434	0.002	mg/l	8260B	0.005
GW-10	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	0.0411	0.002	mg/l	8260B	0.005
GW-10	10/4/02	10/5/02	10/10/02	Trichloroethene	3.18	0.2	mg/l	8260B	0.005
GW-10	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-10	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-11	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	0.0374	0.002	mg/l	8260B	0.0003
GW-11	10/4/02	10/5/02	10/10/02	Tetrachloroethene	0.0055	0.002	mg/l	8260B	0.005
GW-11	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	0.0027	0.002	mg/l	8260B	0.005
GW-11	10/4/02	10/5/02	10/10/02	Trichloroethene	0.307	0.02	mg/l	8260B	0.005
GW-11	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-11	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-12	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	0.0204	0.002	mg/l	8260B	0.07
GW-12	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Trichloroethene	0.0901	0.002	mg/l	8260B	0.005
GW-12	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-12	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-13	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Trichloroethene	0.197	0.002	mg/l	8260B	0.005
GW-13	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-13	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Acetone	0.0227	0.01	mg/l	8260B	none
GW-14	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-14	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-14	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Acetone	0.0298	0.01	mg/l	8260B	none
GW-15	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-15	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-15	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	0.0973	0.002	mg/l	8260B	0.07
GW-16	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	0.0029	0.002	mg/l	8260B	0.1
GW-16	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-16	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Trichloroethene	0.0034	0.002	mg/l	8260B	0.005
GW-16	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-16	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	0.0176	0.002	mg/l	8260B	0.07
GW-17	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	0.0435	0.002	mg/l	8260B	0.1
GW-17	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Trichloroethene	0.169	0.002	mg/l	8260B	0.005

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-17	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-17	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	0.081	0.002	mg/l	8260B	0.0003
GW-18	10/4/02	10/5/02	10/10/02	Tetrachloroethene	0.0055	0.002	mg/l	8260B	0.005
GW-18	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Trichloroethene	0.298	0.02	mg/l	8260B	0.005
GW-18	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-18	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Acetone	0.0127	0.01	mg/l	8260B	none

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-19	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Trichloroethene	0.0442	0.002	mg/l	8260B	0.005
GW-19	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-19	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-20	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-20	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-21	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-21	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-22	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Trichloroethene	0.0128	0.002	mg/l	8260B	0.005
GW-22	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-22	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Acetone	0.0144	0.01	mg/l	8260B	none
GW-23	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	0.003	0.002	mg/l	8260B	0.07
GW-23	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-23	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	0.0424	0.002	mg/l	8260B	0.0003
GW-23	10/4/02	10/5/02	10/10/02	Tetrachloroethene	0.0121	0.002	mg/l	8260B	0.005
GW-23	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	0.009	0.002	mg/l	8260B	0.005
GW-23	10/4/02	10/5/02	10/11/02	Trichloroethene	1.26	0.1	mg/l	8260B	0.005
GW-23	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-23	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Acetone	0.0247	0.01	mg/l	8260B	none
GW-24	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Carbon disulfide	0.0053	0.002	mg/l	8260B	none
GW-24	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-24	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-25	10/4/02	10/5/02	10/10/02	Tetrachloroethene	0.0052	0.002	mg/l	8260B	0.005
GW-25	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	0.0042	0.002	mg/l	8260B	0.005
GW-25	10/4/02	10/5/02	10/12/02	Trichloroethene	0.526	0.02	mg/l	8260B	0.005
GW-25	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-25	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Chloroform	0.004	0.002	mg/l	8260B	0.08
GW-26	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	0.0187	0.002	mg/l	8260B	0.07
GW-26	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	0.0033	0.002	mg/l	8260B	0.1
GW-26	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/11/02	1,1,2,2-Tetrachloroethane	0.715	0.1	mg/l	8260B	0.0003
GW-26	10/4/02	10/5/02	10/10/02	Tetrachloroethene	0.0214	0.002	mg/l	8260B	0.005
GW-26	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	0.0445	0.002	mg/l	8260B	0.005
GW-26	10/4/02	10/5/02	10/11/02	Trichloroethene	2.88	0.1	mg/l	8260B	0.005
GW-26	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
GW-26	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-26	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	0.0032	0.002	mg/l	8260B	0.07
GW-23D	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	0.0519	0.002	mg/l	8260B	0.0003
GW-23D	10/4/02	10/5/02	10/10/02	Tetrachloroethene	0.0117	0.002	mg/l	8260B	0.005
GW-23D	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	0.0083	0.002	mg/l	8260B	0.005
GW-23D	10/4/02	10/5/02	10/11/02	Trichloroethene	1.26	0.1	mg/l	8260B	0.005
GW-23D	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
GW-23D	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX
Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
FB AT 19	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/12/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
FB AT 19	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Acetone	< 0.0100	0.01	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Benzene	< 0.0020	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	2-Butanone	< 0.0100	0.01	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 9: VOC Analytical Results for Groundwater Samples, October 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR GTARC CALM
TB	10/4/02	10/5/02	10/10/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Chloroform	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2-Dibromo-3-chloropropane	< 0.0100	0.01	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Ethylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	2-Hexanone	< 0.0100	0.01	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	4-Methyl-2-pentanone	< 0.0100	0.01	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Styrene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Toluene	< 0.0020	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/12/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,2,4-Trimethylbenzene	< 0.0020	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Xylenes (Total)	< 0.0020	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Bromodichloromethane	< 0.00200	0.002	mg/l	8260B	
TB	10/4/02	10/5/02	10/10/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	

CALM = Cleanup Levels for Missouri
D = Field Duplicate
FB = Field Blank
GTARC = Groundwater Target Concentration
GW = Groundwater
ID = Identification
MDNR = Missouri Department of Natural Resources
mg/l = milligrams per liter = parts per million (ppm)
TB = Trip Blank
VOC = Volatile Organic Compounds

Highlighted cells indicate laboratory analytical results for samples which exceed the MDNR GTARC CALM.

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-1B	2/19/02	2/21/02	2/24/02	Acenaphthene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Acenaphthylene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Anthracene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	4-Bromophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Carbazole	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	4-Chloroaniline	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	bis(2-Chloroethoxy)methane	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	bis(2-Chloroethyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	bis(2-Chloroisopropyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2-Chlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	4-Chlorophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Chrysene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Dibenzofuran	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Diethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Dimethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Di-n-butylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Fluorene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Hexachloroethane	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Isophorone	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	m,p-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Naphthalene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	3-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	4-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Nitrobenzene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	4-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	N-nitrosodi-n-propylamine	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	N-nitrosodiphenylamine	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Pentachlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Phenanthrene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Phenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Pyrene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-1B	2/19/02	2/21/02	2/21/02	Acetone	< 0.05000	0.05	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Benzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Bromobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Bromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Bromoform	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Bromomethane	< 0.00200	0.002	mg/kg	8260B	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-1B	2/19/02	2/21/02	2/21/02	2-Butanone	< 0.05000	0.05	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	n-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	sec-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	t-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Carbon disulfide	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Carbon tetrachloride	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Chlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Chloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Chloroform	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Chloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	2-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	4-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Dibromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,2-Dibromoethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Dibromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,1-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,2-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,1-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,3-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	2,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,1-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Ethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Hexachlorobutadiene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	2-Hexanone	< 0.01000	0.01	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Isopropylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	4-Isopropyltoluene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Methylene chloride	< 0.00500	0.005	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Naphthalene	< 0.00500	0.005	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	n-Propylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Styrene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Tetrachloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Toluene	0.005	0.002	mg/kg	8260B	650
SS-1B	2/19/02	2/21/02	2/21/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Trichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Vinyl chloride	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Xylenes (Total)	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Bromodichloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/21/02	Trichlorofluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-1B	2/19/02	2/21/02	2/22/02	Arsenic	8.108	0.965	mg/kg	6010B	11
SS-1B	2/19/02	2/21/02	2/22/02	Barium	227.799	0.965	mg/kg	6010B	20,000
SS-1B	2/19/02	2/21/02	2/22/02	Cadmium	< 0.965	0.965	mg/kg	6010B	
SS-1B	2/19/02	2/21/02	2/22/02	Chromium	19.112	0.965	mg/kg	6010B	3,000
SS-1B	2/19/02	2/21/02	2/22/02	Lead	8.687	0.965	mg/kg	6010B	660
SS-1B	2/19/02	2/21/02	2/22/02	Mercury	< 0.098	0.098	mg/kg	7471A	
SS-1B	2/19/02	2/21/02	2/22/02	Selenium	< 0.965	0.965	mg/kg	6010B	
SS-1B	2/19/02	2/21/02	2/22/02	Silver	< 0.965	0.965	mg/kg	6010B	
SS-2	2/19/02	2/21/02	2/24/02	Acenaphthene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Acenaphthylene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Anthracene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.330	0.33	mg/kg	8270C	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-2	2/19/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	4-Bromophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Carbazole	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	4-Chloroaniline	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	bis(2-Chloroethoxy)methane	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	bis(2-Chloroethyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	bis(2-Chloroisopropyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2-Chlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	4-Chlorophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Chrysene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Dibenzofuran	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Diethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Dimethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Di-n-butylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Fluorene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Hexachloroethane	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Isophorone	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	m,p-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Naphthalene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	3-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	4-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Nitrobenzene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	4-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	N-nitrosodi-n-propylamine	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	N-nitrosodiphenylamine	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Pentachlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Phenanthrene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Phenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Pyrene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-2	2/19/02	2/21/02	2/21/02	Acetone	< 0.05000	0.05	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Benzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Bromobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Bromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Bromoform	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Bromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	2-Butanone	< 0.05000	0.05	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	n-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	sec-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	t-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Carbon disulfide	< 0.00200	0.002	mg/kg	8260B	

HARDESTY FEDERAL COMPLEX
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Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-2	2/19/02	2/21/02	2/21/02	Carbon tetrachloride	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Chlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Chloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Chloroform	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Chloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	2-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	4-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Dibromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,2-Dibromoethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Dibromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,1-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,2-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,1-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,3-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	2,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,1-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Ethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Hexachlorobutadiene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	2-Hexanone	< 0.01000	0.01	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Isopropylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	4-Isopropyltoluene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Methylene chloride	< 0.00500	0.005	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Naphthalene	< 0.00500	0.005	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	n-Propylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Styrene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Tetrachloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Toluene	0.0051	0.002	mg/kg	8260B	650
SS-2	2/19/02	2/21/02	2/21/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,1,1-Trichloroethane	0.0059	0.002	mg/kg	8260B	1,200
SS-2	2/19/02	2/21/02	2/21/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Trichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Vinyl chloride	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Xylenes (Total)	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Bromodichloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/21/02	Trichlorofluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-2	2/19/02	2/21/02	2/22/02	Arsenic	6.175	0.996	mg/kg	6010B	11
SS-2	2/19/02	2/21/02	2/22/02	Barium	165.339	0.996	mg/kg	6010B	20,000
SS-2	2/19/02	2/21/02	2/22/02	Cadmium	< 0.996	0.996	mg/kg	6010B	
SS-2	2/19/02	2/21/02	2/22/02	Chromium	18.327	0.996	mg/kg	6010B	3,000
SS-2	2/19/02	2/21/02	2/22/02	Lead	8.964	0.996	mg/kg	6010B	660
SS-2	2/19/02	2/21/02	2/22/02	Mercury	< 0.101	0.1	mg/kg	7471A	
SS-2	2/19/02	2/21/02	2/22/02	Selenium	< 0.996	0.996	mg/kg	6010B	
SS-2	2/19/02	2/21/02	2/22/02	Silver	< 0.996	0.996	mg/kg	6010B	
SS-3	2/20/02	2/21/02	2/24/02	Acenaphthene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Acenaphthylene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Anthracene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	4-Bromophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.330	0.33	mg/kg	8270C	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-3	2/20/02	2/21/02	2/24/02	Carbazole	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	4-Chloroaniline	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	bis(2-Chloroethoxy)methane	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	bis(2-Chloroethyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	bis(2-Chloroisopropyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2-Chlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	4-Chlorophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Chrysene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Dibenzofuran	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Diethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Dimethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Di-n-butylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Fluorene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Hexachloroethane	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Isophorone	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	m,p-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	3-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	4-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Nitrobenzene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	4-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	N-nitrosodi-n-propylamine	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	N-nitrosodiphenylamine	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Pentachlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Phenanthrene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Phenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Pyrene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-3	2/20/02	2/21/02	2/22/02	Acetone	< 0.05000	0.05	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Benzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Bromobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Bromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Bromoform	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Bromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	2-Butanone	< 0.05000	0.05	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	n-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	sec-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	t-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Carbon disulfide	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Carbon tetrachloride	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Chlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Chloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Chloroform	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Chloromethane	< 0.00200	0.002	mg/kg	8260B	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-3	2/20/02	2/21/02	2/22/02	2-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	4-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Dibromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,2-Dibromoethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Dibromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,1-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,2-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,1-Dichloroethene	0.116	0.002	mg/kg	8260B	0.6
SS-3	2/20/02	2/21/02	2/22/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,3-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	2,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,1-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Ethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Hexachlorobutadiene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	2-Hexanone	< 0.01000	0.01	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Isopropylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	4-Isopropyltoluene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Methylene chloride	< 0.00500	0.005	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Naphthalene	< 0.00500	0.005	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	n-Propylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Styrene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,1,2,2-Tetrachloroethane	0.0064	0.002	mg/kg	8260B	2
SS-3	2/20/02	2/21/02	2/22/02	Tetrachloroethene	0.002	0.002	mg/kg	8260B	55
SS-3	2/20/02	2/21/02	2/22/02	Toluene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/24/02	1,1,1-Trichloroethane	2.03	0.002	mg/kg	8260B	1,200
SS-3	2/20/02	2/21/02	2/22/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Trichloroethene	0.0085	0.002	mg/kg	8260B	56
SS-3	2/20/02	2/21/02	2/22/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Vinyl chloride	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Xylenes (Total)	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Bromodichloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Trichlorofluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-3	2/20/02	2/21/02	2/22/02	Arsenic	7.171	0.996	mg/kg	6010B	11
SS-3	2/20/02	2/21/02	2/22/02	Barium	152.988	0.996	mg/kg	6010B	20,000
SS-3	2/20/02	2/21/02	2/22/02	Cadmium	< 0.996	0.996	mg/kg	6010B	
SS-3	2/20/02	2/21/02	2/22/02	Chromium	18.725	0.996	mg/kg	6010B	3,000
SS-3	2/20/02	2/21/02	2/22/02	Lead	8.367	0.996	mg/kg	6010B	660
SS-3	2/20/02	2/21/02	2/22/02	Mercury	< 0.100	0.1	mg/kg	7471A	
SS-3	2/20/02	2/21/02	2/22/02	Selenium	< 0.996	0.996	mg/kg	6010B	
SS-3	2/20/02	2/21/02	2/22/02	Silver	< 0.996	0.996	mg/kg	6010B	
SS-4	2/20/02	2/21/02	2/24/02	Acenaphthene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Acenaphthylene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Anthracene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	4-Bromophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Carbazole	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	4-Chloroaniline	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	bis(2-Chloroethoxy)methane	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	bis(2-Chloroethyl)ether	< 0.330	0.33	mg/kg	8270C	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-4	2/20/02	2/21/02	2/24/02	bis(2-Chloroisopropyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2-Chlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	4-Chlorophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Chrysene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Dibenzofuran	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Diethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Dimethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Di-n-butylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Fluorene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Hexachloroethane	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Isophorone	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	m,p-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	3-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	4-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Nitrobenzene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	4-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	N-nitrosodi-n-propylamine	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	N-nitrosodiphenylamine	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Pentachlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Phenanthrene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Phenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Pyrene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-4	2/20/02	2/21/02	2/24/02	Acetone	< 0.05000	0.05	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Benzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Bromobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Bromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Bromoform	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Bromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	2-Butanone	< 0.05000	0.05	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	n-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	sec-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	t-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Carbon disulfide	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Carbon tetrachloride	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Chlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Chloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Chloroform	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Chloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	2-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	4-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Dibromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2-Dibromoethane	< 0.00200	0.002	mg/kg	8260B	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-4	2/20/02	2/21/02	2/24/02	Dibromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,1-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,1-Dichloroethene	0.003	0.002	mg/kg	8260B	0.6
SS-4	2/20/02	2/21/02	2/24/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,3-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	2,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,1-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Ethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	2-Hexanone	< 0.01000	0.01	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Isopropylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	4-Isopropyltoluene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Methylene chloride	< 0.00500	0.005	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.00500	0.005	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	n-Propylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Styrene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Tetrachloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Toluene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,1,1-Trichloroethane	0.04	0.002	mg/kg	8260B	1,200
SS-4	2/20/02	2/21/02	2/24/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Trichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Vinyl chloride	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Xylenes (Total)	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Bromodichloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/24/02	Trichlorofluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-4	2/20/02	2/21/02	2/22/02	Arsenic	8.077	0.962	mg/kg	6010B	11
SS-4	2/20/02	2/21/02	2/22/02	Barium	149.423	0.962	mg/kg	6010B	20,000
SS-4	2/20/02	2/21/02	2/22/02	Cadmium	< 0.962	0.962	mg/kg	6010B	
SS-4	2/20/02	2/21/02	2/22/02	Chromium	18.077	0.962	mg/kg	6010B	3,000
SS-4	2/20/02	2/21/02	2/22/02	Lead	9.038	0.962	mg/kg	6010B	660
SS-4	2/20/02	2/21/02	2/22/02	Mercury	< 0.099	0.099	mg/kg	7471A	
SS-4	2/20/02	2/21/02	2/22/02	Selenium	< 0.962	0.962	mg/kg	6010B	
SS-4	2/20/02	2/21/02	2/22/02	Silver	< 0.962	0.962	mg/kg	6010B	
SS-5	2/19/02	2/21/02	2/24/02	Acenaphthene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Acenaphthylene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Anthracene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	4-Bromophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Carbazole	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	4-Chloroaniline	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	bis(2-Chloroethoxy)methane	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	bis(2-Chloroethyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	bis(2-Chloroisopropyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2-Chlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	4-Chlorophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Chrysene	< 0.330	0.33	mg/kg	8270C	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-5	2/19/02	2/21/02	2/24/02	Dibenzofuran	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Diethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Dimethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Di-n-butylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Fluorene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Hexachloroethane	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Isophorone	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	m,p-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Naphthalene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	3-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	4-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Nitrobenzene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	4-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	N-nitrosodi-n-propylamine	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	N-nitrosodiphenylamine	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Pentachlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Phenanthrene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Phenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Pyrene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-5	2/19/02	2/21/02	2/24/02	Acetone	< 0.05000	0.05	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Benzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Bromobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Bromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Bromoform	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Bromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	2-Butanone	< 0.05000	0.05	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	n-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	sec-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	t-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Carbon disulfide	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Carbon tetrachloride	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Chlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Chloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Chloroform	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Chloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	2-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	4-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Dibromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,2-Dibromoethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Dibromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/kg	8260B	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-5	2/19/02	2/21/02	2/24/02	1,1-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,2-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,1-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	cis-1,2-Dichloroethene	0.0474	0.002	mg/kg	8260B	1,200
SS-5	2/19/02	2/21/02	2/24/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,3-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	2,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,1-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Ethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	2-Hexanone	< 0.01000	0.01	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Isopropylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	4-Isopropyltoluene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Methylene chloride	< 0.00500	0.005	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Naphthalene	< 0.00500	0.005	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	n-Propylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Styrene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,1,2,2-Tetrachloroethane	0.0293	0.002	mg/kg	8260B	2
SS-5	2/19/02	2/21/02	2/24/02	Tetrachloroethene	0.0074	0.002	mg/kg	8260B	55
SS-5	2/19/02	2/21/02	2/24/02	Toluene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,1,1-Trichloroethane	0.009	0.002	mg/kg	8260B	1,200
SS-5	2/19/02	2/21/02	2/24/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Trichloroethene	0.044	0.002	mg/kg	8260B	56
SS-5	2/19/02	2/21/02	2/24/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Vinyl chloride	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Xylenes (Total)	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Bromodichloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/24/02	Trichlorofluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-5	2/19/02	2/21/02	2/22/02	Arsenic	6.87	0.954	mg/kg	6010B	11
SS-5	2/19/02	2/21/02	2/22/02	Barium	179.008	0.954	mg/kg	6010B	20,000
SS-5	2/19/02	2/21/02	2/22/02	Cadmium	< 0.954	0.954	mg/kg	6010B	
SS-5	2/19/02	2/21/02	2/22/02	Chromium	13.168	0.954	mg/kg	6010B	3,000
SS-5	2/19/02	2/21/02	2/22/02	Lead	9.16	0.954	mg/kg	6010B	660
SS-5	2/19/02	2/21/02	2/22/02	Mercury	< 0.100	0.1	mg/kg	7471A	
SS-5	2/19/02	2/21/02	2/22/02	Selenium	< 0.954	0.954	mg/kg	6010B	
SS-5	2/19/02	2/21/02	2/22/02	Silver	< 0.954	0.954	mg/kg	6010B	
SS-6D	2/20/02	2/21/02	2/24/02	Acenaphthene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Acenaphthylene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Anthracene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	4-Bromophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Carbazole	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	4-Chloroaniline	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	bis(2-Chloroethoxy)methane	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	bis(2-Chloroethyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	bis(2-Chloroisopropyl)ether	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2-Chlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	4-Chlorophenylphenylether	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Chrysene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Dibenzofuran	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.330	0.33	mg/kg	8270C	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-6D	2/20/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Diethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Dimethylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Di-n-butylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Fluoranthene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Fluorene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Hexachloroethane	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Isophorone	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	m,p-Methylphenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	3-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	4-Nitroaniline	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Nitrobenzene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	4-Nitrophenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	N-nitrosodi-n-propylamine	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	N-nitrosodiphenylamine	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Pentachlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Phenanthrene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Phenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Pyrene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.330	0.33	mg/kg	8270C	
SS-6D	2/20/02	2/21/02	2/22/02	Acetone	< 0.05000	0.05	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Benzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Bromobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Bromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Bromoform	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Bromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	2-Butanone	< 0.05000	0.05	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	n-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	sec-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	t-Butylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Carbon disulfide	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Carbon tetrachloride	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Chlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Chloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Chloroform	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Chloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	2-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	4-Chlorotoluene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Dibromochloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,2-Dibromoethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Dibromomethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,1-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,2-Dichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,1-Dichloroethene	0.0036	0.002	mg/kg	8260B	0.6
SS-6D	2/20/02	2/21/02	2/22/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/kg	8260B	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
SS-6D	2/20/02	2/21/02	2/22/02	1,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,3-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	2,2-Dichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,1-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Ethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Hexachlorobutadiene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	2-Hexanone	< 0.01000	0.01	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Isopropylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	4-Isopropyltoluene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Methylene chloride	< 0.00500	0.005	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Naphthalene	< 0.00500	0.005	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	n-Propylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Styrene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Tetrachloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Toluene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,1,1-Trichloroethane	0.0523	0.002	mg/kg	8260B	1,200
SS-6D	2/20/02	2/21/02	2/22/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Trichloroethene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Vinyl chloride	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Xylenes (Total)	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Bromodichloromethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Trichlorofluoromethane	< 0.00200	0.002	mg/kg	8260B	
SS-6D	2/20/02	2/21/02	2/22/02	Arsenic	7.045	0.978	mg/kg	6010B	11
SS-6D	2/20/02	2/21/02	2/22/02	Barium	154.403	0.978	mg/kg	6010B	20,000
SS-6D	2/20/02	2/21/02	2/22/02	Cadmium	< 0.978	0.978	mg/kg	6010B	
SS-6D	2/20/02	2/21/02	2/22/02	Chromium	13.699	0.978	mg/kg	6010B	3,000
SS-6D	2/20/02	2/21/02	2/22/02	Lead	9.198	0.978	mg/kg	6010B	660
SS-6D	2/20/02	2/21/02	2/22/02	Mercury	< 0.100	0.1	mg/kg	7471A	
SS-6D	2/20/02	2/21/02	2/22/02	Selenium	< 0.978	0.978	mg/kg	6010B	
SS-6D	2/20/02	2/21/02	2/22/02	Silver	< 0.978	0.978	mg/kg	6010B	
GW-7R	2/20/02	2/21/02	2/24/02	Acenaphthene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Acenaphthylene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Anthracene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Benzo(a)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Benzo(a)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Benzo(b)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Benzo(g,h,i)perylene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Benzo(k)fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	4-Bromophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Butylbenzylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Carbazole	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	4-Chloro-3-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	4-Chloroaniline	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Bis(2-chloroethoxy)methane	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Bis(2-chloroethyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Bis(2-chloroisopropyl)ether	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2-Chloronaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2-Chlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	4-Chlorophenyl-phenylether	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Chrysene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Dibenzofuran	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Dibenz(a,h)anthracene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	1,2-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	1,3-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	1,4-Dichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	3,3'-Dichlorobenzidine	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2,4-Dichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Diethylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2,4-Dimethylphenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Dimethylphthalate	< 0.0100	0.01	mg/l	8270C	

HARDESTY FEDERAL COMPLEX
Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
GW-7R	2/20/02	2/21/02	2/24/02	Di-n-Butylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	4,6-Dinitro-2-methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2,4-Dinitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2,4-dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2,6-Dinitrotoluene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Di-n-octylphthalate	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Fluoranthene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Fluorene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Hexachlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Hexachlorobutadiene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Hexachlorocyclopentadiene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Hexachloroethane	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Indeno(1,2,3-cd)pyrene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Isophorone	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2-Methylnaphthalene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	3 and 4-Methylphenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Naphthalene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	3-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	4-Nitroaniline	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Nitrobenzene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	4-Nitrophenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	N-Nitroso-Di-n-Propylamine	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	N-Nitrosodiphenylamine	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Pentachlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Phenanthrene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Phenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Pyrene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	Bis(2-ethylhexyl)phthalate	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	1,2,4-Trichlorobenzene	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2,4,5-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/24/02	2,4,6-Trichlorophenol	< 0.0100	0.01	mg/l	8270C	
GW-7R	2/20/02	2/21/02	2/23/02	Acetone	< 0.05000	0.05	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Benzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Bromobenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Bromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Bromoform	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Bromomethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	2-Butanone	< 0.05000	0.05	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	n-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	sec-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	t-Butylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Carbon disulfide	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Carbon tetrachloride	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Chlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Chloroethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Chloroform	0.0048	0.002	mg/l	8260B	0.08*
GW-7R	2/20/02	2/21/02	2/23/02	Chloromethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	2-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	4-Chlorotoluene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2-Dibromo-3-chloropropane	< 0.01000	0.01	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Dibromochloromethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2-Dibromoethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Dibromomethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,3-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,4-Dichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Dichlorodifluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,1-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2-Dichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,1-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	cis-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	trans-1,2-Dichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,3-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	2,2-Dichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,1-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	cis-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	

HARDESTY FEDERAL COMPLEX

Table 10: Analytical Results for Soil Samples, February 2002

Sample ID	Date Collected	Date Received	Date Analyzed	Analyte	Result	Report Limit	Units	Method	MDNR Scenario B STARC CALM
GW-7R	2/20/02	2/21/02	2/23/02	trans-1,3-Dichloropropene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Ethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Hexachlorobutadiene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	2-Hexanone	< 0.01000	0.01	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Isopropylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	4-Isopropyltoluene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	4-Methyl-2-pentanone	< 0.01000	0.01	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Methylene chloride	< 0.00500	0.005	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Naphthalene	< 0.00500	0.005	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	n-Propylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Styrene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,1,1,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,1,2,2-Tetrachloroethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Tetrachloroethene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Toluene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2,3-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2,4-Trichlorobenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,1,1-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,1,2-Trichloroethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Trichloroethene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2,3-Trichloropropane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,2,4-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	1,3,5-Trimethylbenzene	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Vinyl chloride	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Xylenes (Total)	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/23/02	Bromodichloromethane	0.0028	0.002	mg/l	8260B	0.08*
GW-7R	2/20/02	2/21/02	2/23/02	Trichlorofluoromethane	< 0.00200	0.002	mg/l	8260B	
GW-7R	2/20/02	2/21/02	2/22/02	Arsenic	< 0.0050	0.005	mg/l	6010B	
GW-7R	2/20/02	2/21/02	2/22/02	Barium	< 0.0100	0.01	mg/l	6010B	
GW-7R	2/20/02	2/21/02	2/22/02	Cadmium	< 0.0010	0.001	mg/l	6010B	
GW-7R	2/20/02	2/21/02	2/22/02	Chromium	< 0.0050	0.005	mg/l	6010B	
GW-7R	2/20/02	2/21/02	2/22/02	Lead	< 0.0030	0.003	mg/l	6010B	
GW-7R	2/20/02	2/21/02	2/22/02	Selenium	< 0.0050	0.005	mg/l	6010B	
GW-7R	2/20/02	2/21/02	2/22/02	Silver	< 0.0050	0.005	mg/l	6010B	
GW-7R	2/20/02	2/21/02	2/23/02	Mercury	< 0.0002	0.0002	mg/l	7470A	

B = Background
CALM = Cleanup Levels for Missouri
D = Duplicate
GW = Groundwater
GW-7R is the same as SS-7R
ID = Identification
mg/kg = milligrams per kilogram = parts per million (ppm)
mg/l = milligrams per liter = parts per million (ppm)
MDNR = Missouri Department of Natural Resources
R = Rinsate
SS = Soil Sample
STARC = Soil Target Concentration
* = MDNR Groundwater Target Concentration (GTARC) CALM

APPENDIX B

Soil Boring Logs

HARDESTY FEDERAL COMPLEX
Soil Boring Logs

Boring No.	Sample ID	Interval Depth (feet bgs)	Depth of Water (feet bgs)	Surface Cover	% Recovery	Soil Description / Comments	OVM Results (ppm)
1	NC	0 to 4		asphalt	75	brown, trace dark brown, olive-green, fat clay, trace silt, highly weathered limestone, moderately firm, moist	3.8
1	NC	4 to 8	8.25		50	brown, trace dark brown, olive-green, fat clay, trace silt, moderately firm, moist	2.1
1	NC	8 to 12			30	brown, trace dark brown, trace yellow-brown, olive-green, fat clay, trace silt, moderately firm, moist	3.2
1	**SS-1B**	12 to 16			75	brown, trace dark brown, yellow-brown, red-brown, green, fat clay, trace silt, soft, wet	*
1	NC	16 to 20			75	brown, trace gray, red-brown, dark brown, fat clay, gravel, moist	3.2
2	NC	0 to 4		grass	75	brown, trace dark brown, fat clay, trace silt, topsoil, firm, dry	3.8
2	NC	4 to 8			75	brown, trace yellow-brown, dark brown, fat clay, trace silt, firm, dry	3.8
2	NC	8 to 12			100	brown to yellow-brown, fat clay, trace silt, firm, slightly moist	1.0
2	**SS-2**	12 to 16			100	brown, trace dark brown, fat clay, trace silt, firm, moist	1.0
2	NC	16 to 20			95	brown, trace dark brown, fat clay, trace silt, firm, moist	1.6
2	NC	20 to 24			98	brown, trace dark brown, fat clay, trace silt, firm to soft, moist	3.2
2	NC	24 to 28	49		100	brown, dark brown, silty fat clay, firm, moist	4.3
3	NC	0 to 4		grass	100	brown, dark brown mottles, silty clay, trace brick at 4 feet, moist	0.0
3	NC	4 to 8			100	brown with red nodules silty clay, very firm, moist	1.0
3	NC	8 to 12			100	brown with dark brown mottles, silty clay, trace brick, firm, moist	1.0
3	**SS-3**	12 to 16			100	brown, trace black mottles, red and gray mottles, silty clay, medium firm, moist	1.0
3	NC	16 to 20			100	brown, red and black mottles, silty clay, medium firm, moist	0.0
4	NC	0 to 4		grass	75	brown with yellow mottles, clayey silt, trace gravel and concrete at 4 feet, moist	6.0
4	NC	4 to 8			100	black dark brown, red mottles, silty clay, stiff, slight apparent odor at 4 to 6 feet, 2 small pieces of metal encountered at 4 feet	0.0
4	NC	8 to 12			100	brown silty clay, gray, medium firm, very moist, slight apparent odor at 8 feet, trace gravel	0.0
4	**SS-4**	12 to 16			100	brown with red/gray mottles, firm, gravel at 14 feet, very moist at 14 feet	0.0
4	NC	16 to 20			0	NA	NA
5	NC	0 to 4		grass	75	gravel at 1 foot, weathered limestone, brown, trace dark brown, trace gray, green, fat clay, trace silt, sand, slight apparent odor at 3 feet, firm, moist	2.7
5	NC	4 to 8	8		5	gravel, trace fat clay	2.1
5	NC	8 to 12			70	brown silty fat clay, firm, moist	1.0
5	**SS-5**	12 to 16			100	brown silty fat clay, gravel, soft to firm, wet/moist	1.6
5	NC	16 to 20			100	brown silty fat clay, trace dark gray, silty fat clay, trace gravel, medium firm, moist	2.7

B = Background, bgs = Below ground surface, ID = Identification, NA = Not applicable, NC = No soil sample collected for analysis, OVM = Organic vapor monitor, ppm = parts per million, SS = Soil Sample, * = Not enough sample to take OVM reading

APPENDIX C

Figure 1: Topographic Map
Figure 2: Site Layout Map
Figure 3: Source Sampling Locations – Sand
Figure 4: Source Sampling Locations – Dust Wipes
Figure 5: Source Sampling Locations – Ash
Figure 6: Probe Locations, February, June, and July 2002
Figure 7: Probe Locations, October 2002
Figure 8: Groundwater PCA Analytical Results Above Action Levels
Figure 9: Groundwater TCA Analytical Results Above Action Levels
Figure 10: Groundwater PCE Analytical Results Above Action Levels
Figure 11: Groundwater TCE Analytical Results Above Action Levels
Figure 12: Groundwater DCE Analytical Results Above Action Levels

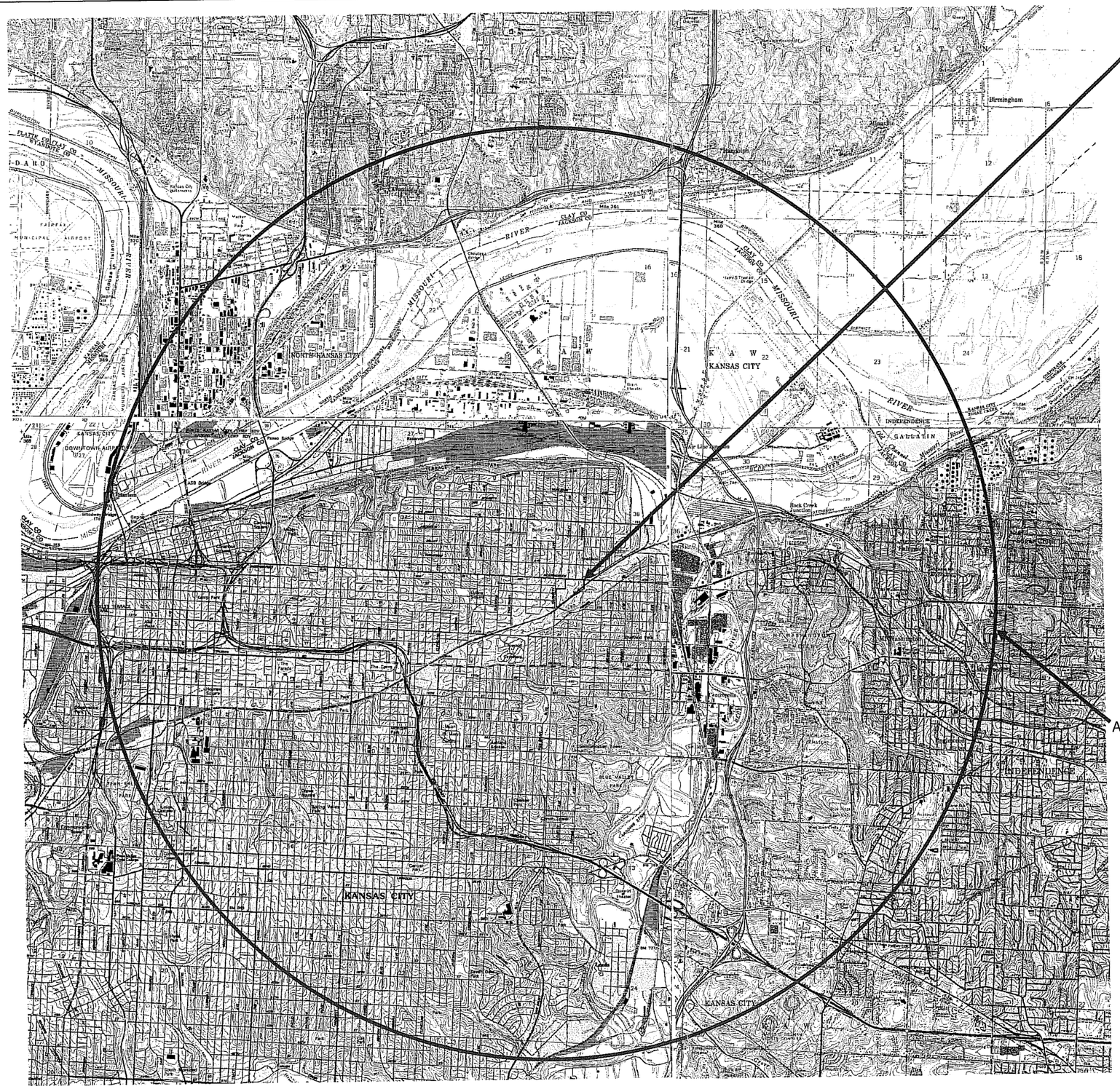


FIGURE 1 - TOPOGRAPHIC MAP
HARDESTY FEDERAL COMPLEX
601-607 HARDESTY AVENUE
KANSAS CITY, MISSOURI

Proj. Mngr: TAR	Terracon	Proj. # 02027042
Designed by: TAR	13910 West 96th Terrace Lenexa, Kansas 66215	FN: Figure 1.ppt
Drawn by: TAR		Date: 12/3/01

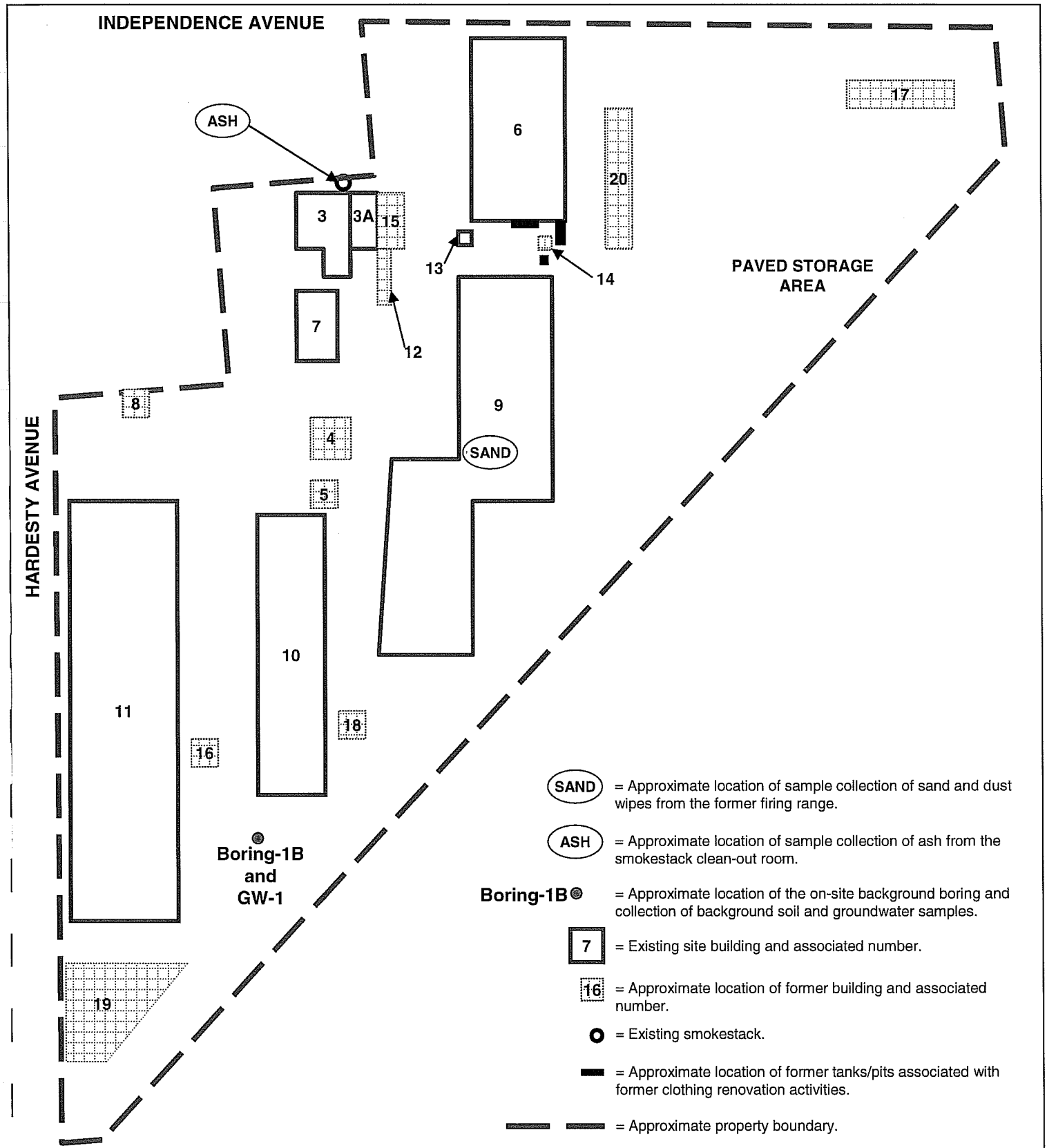
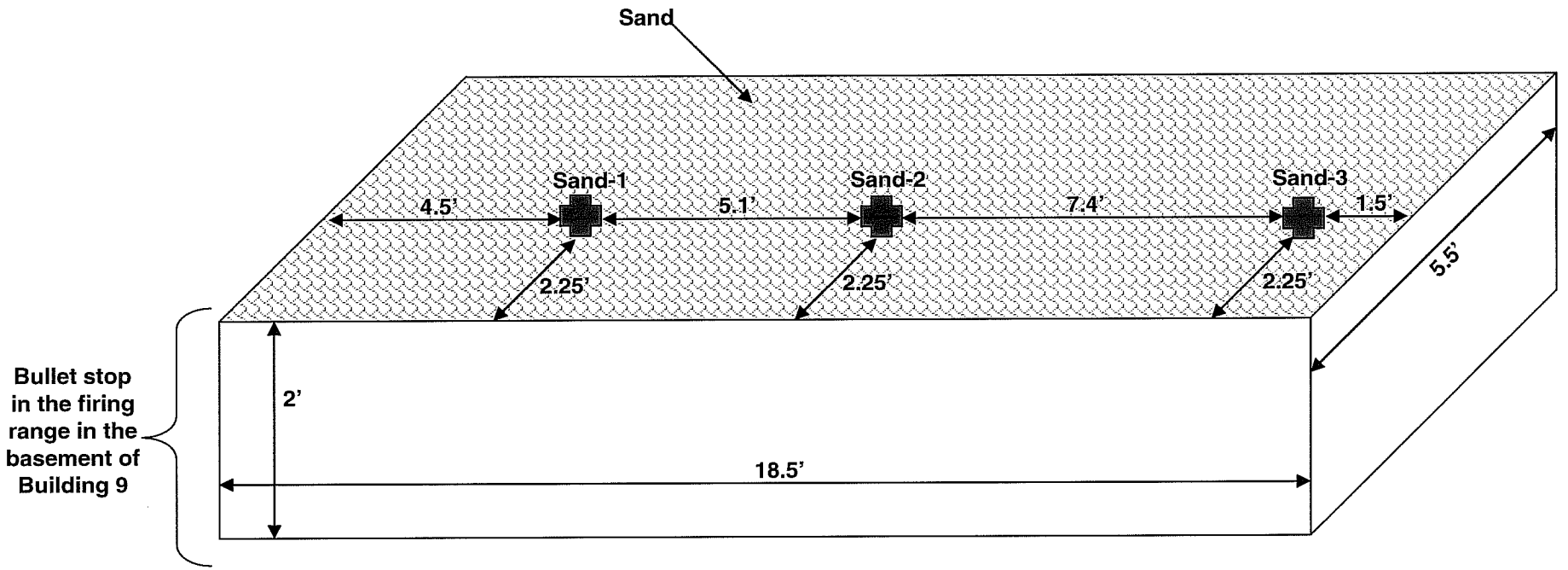


FIGURE 2 - SITE LAYOUT MAP
HARDESTY FEDERAL COMPLEX
601-607 HARDESTY AVENUE
KANSAS CITY, MISSOURI

Proj. Mngr: TAR	Terracon	Proj. # 02027042
Designed by: TAR	15950 College Blvd	FN: Figure 2.ppt
Drawn by: TAR	Lenexa, Kansas 66219	Date: 3/4/02

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES. NOT TO SCALE.



= Approximate Sampling Location

North

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES. NOT TO SCALE.

FIGURE 3 - SOURCE SAMPLING LOCATIONS – SAND
HARDESTY FEDERAL COMPLEX
601-607 HARDESTY AVENUE
KANSAS CITY, MISSOURI

Proj. Mngr: TAR	Terracon	Proj. # 02027042
Designed by: TAR	15950 College Blvd	FN: Figure 3.ppt
Drawn by: TAR	Lenexa, Kansas 66219	Date: 3/3/02

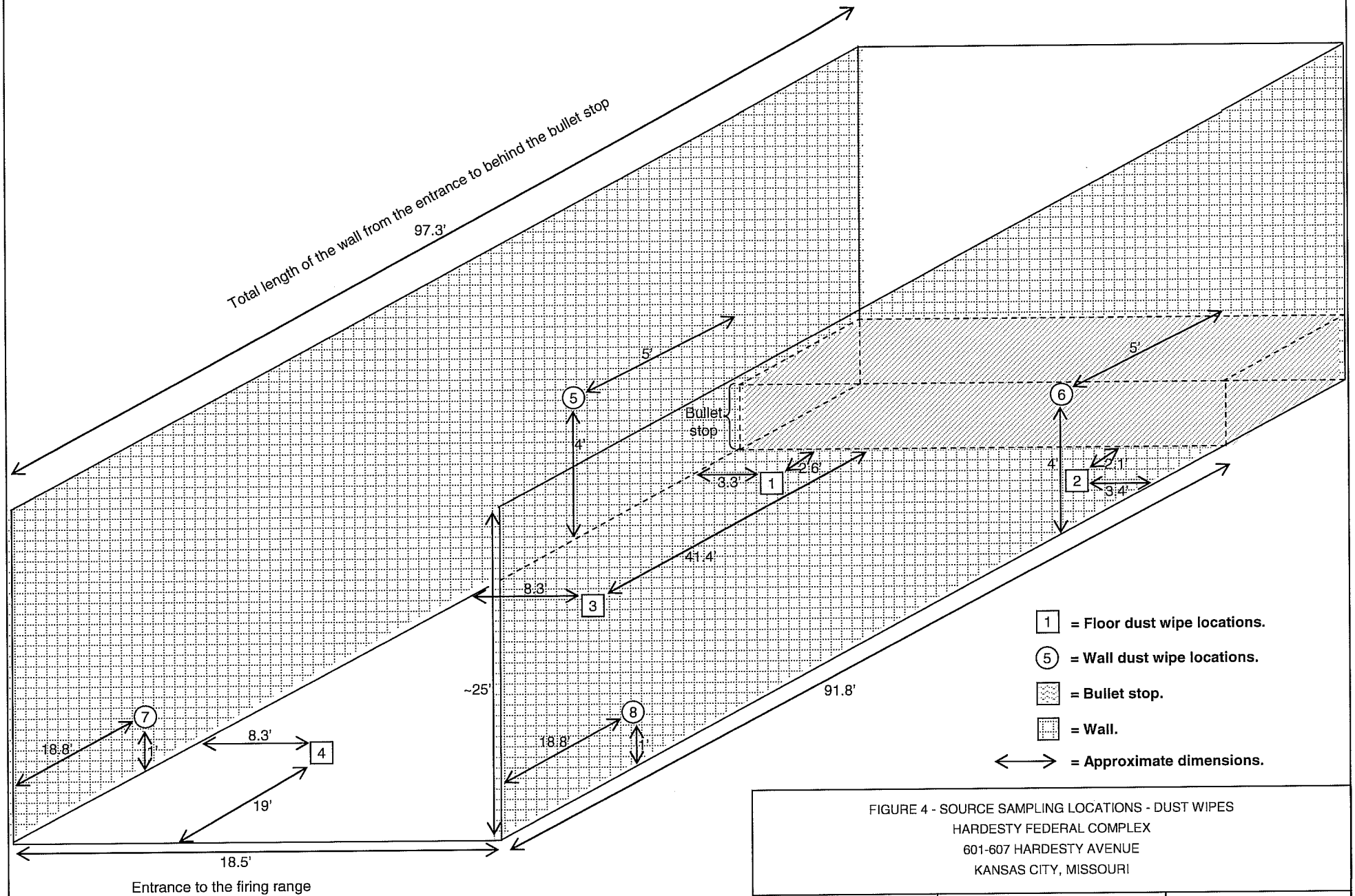
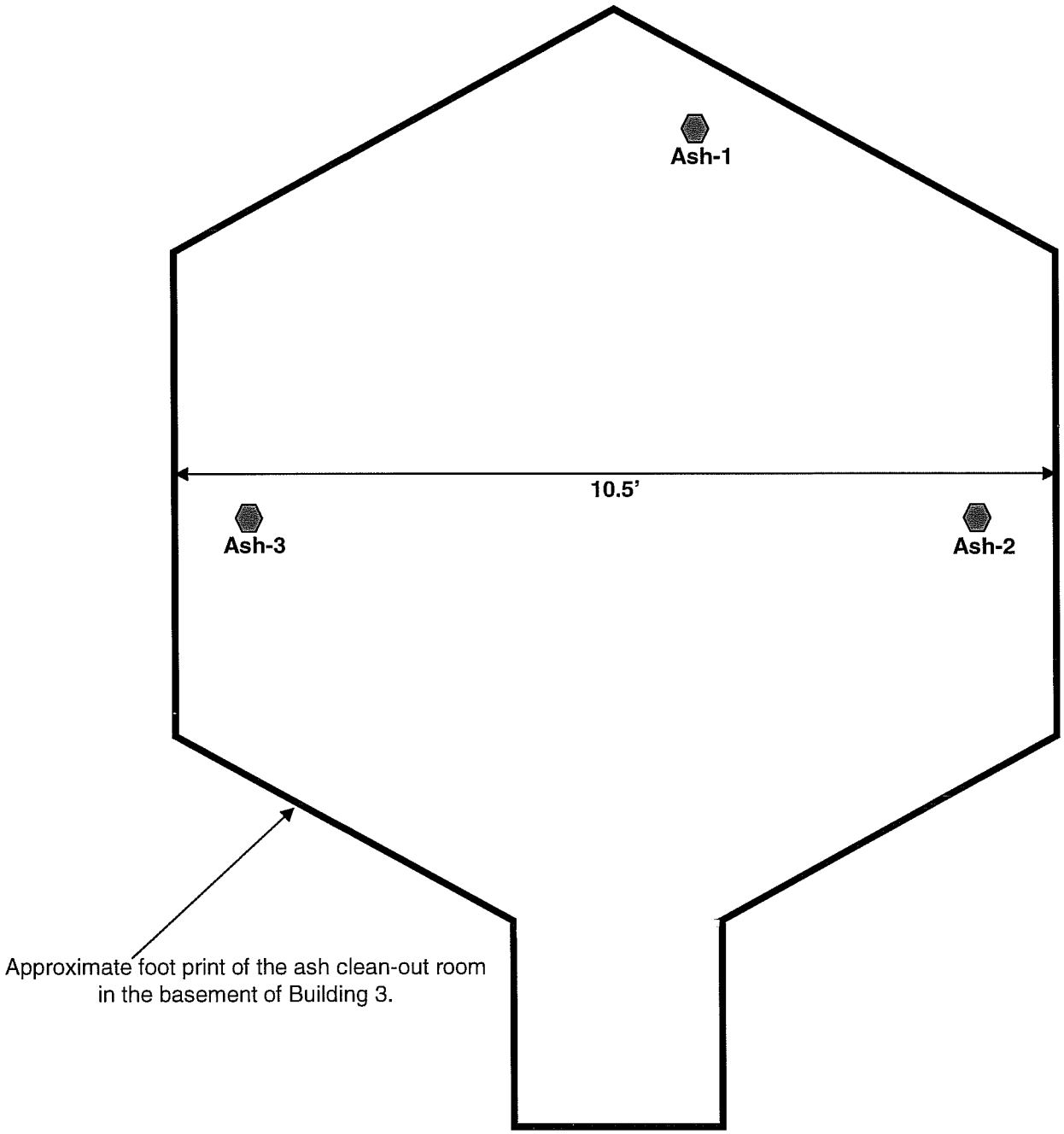


FIGURE 4 - SOURCE SAMPLING LOCATIONS - DUST WIPES
HARDESTY FEDERAL COMPLEX
601-607 HARDESTY AVENUE
KANSAS CITY, MISSOURI

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES. NOT TO SCALE.

Proj. Mngr: TAR	Terracon	Proj. # 02027042
Designed by: TAR	15950 College Blvd	FN: Figure 4.ppt
Drawn by: TAR	Lenexa, Kansas 66219	Date: 3/3/02



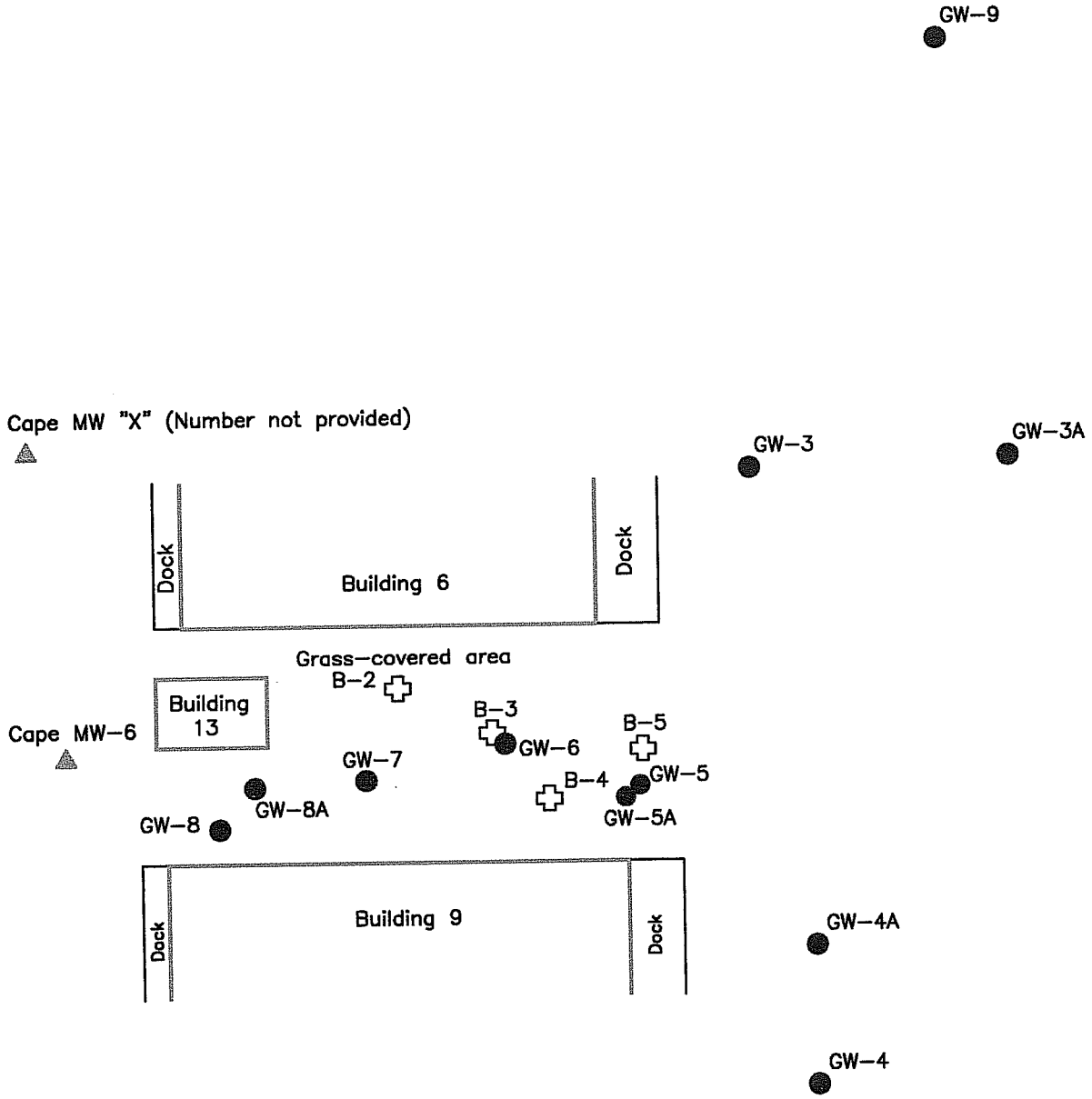
N

= Approximate sampling location

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES. NOT TO SCALE.

FIGURE 5 - SOURCE SAMPLING LOCATIONS – ASH
HARDESTY FEDERAL COMPLEX
601-607 HARDESTY AVENUE
KANSAS CITY, MISSOURI

Proj. Mngr: TAR	Terracon	Proj. # 02027042
Designed by: TAR	15950 College Blvd	FN: Figure 5.ppt
Drawn by: TAR	Lenexa, Kansas 66219	Date: 3/4/02



N

Approximate location of previous sample borings (B-) advanced during the initial SI.

Approximate location of existing monitoring wells (MW) (installed by Cape).

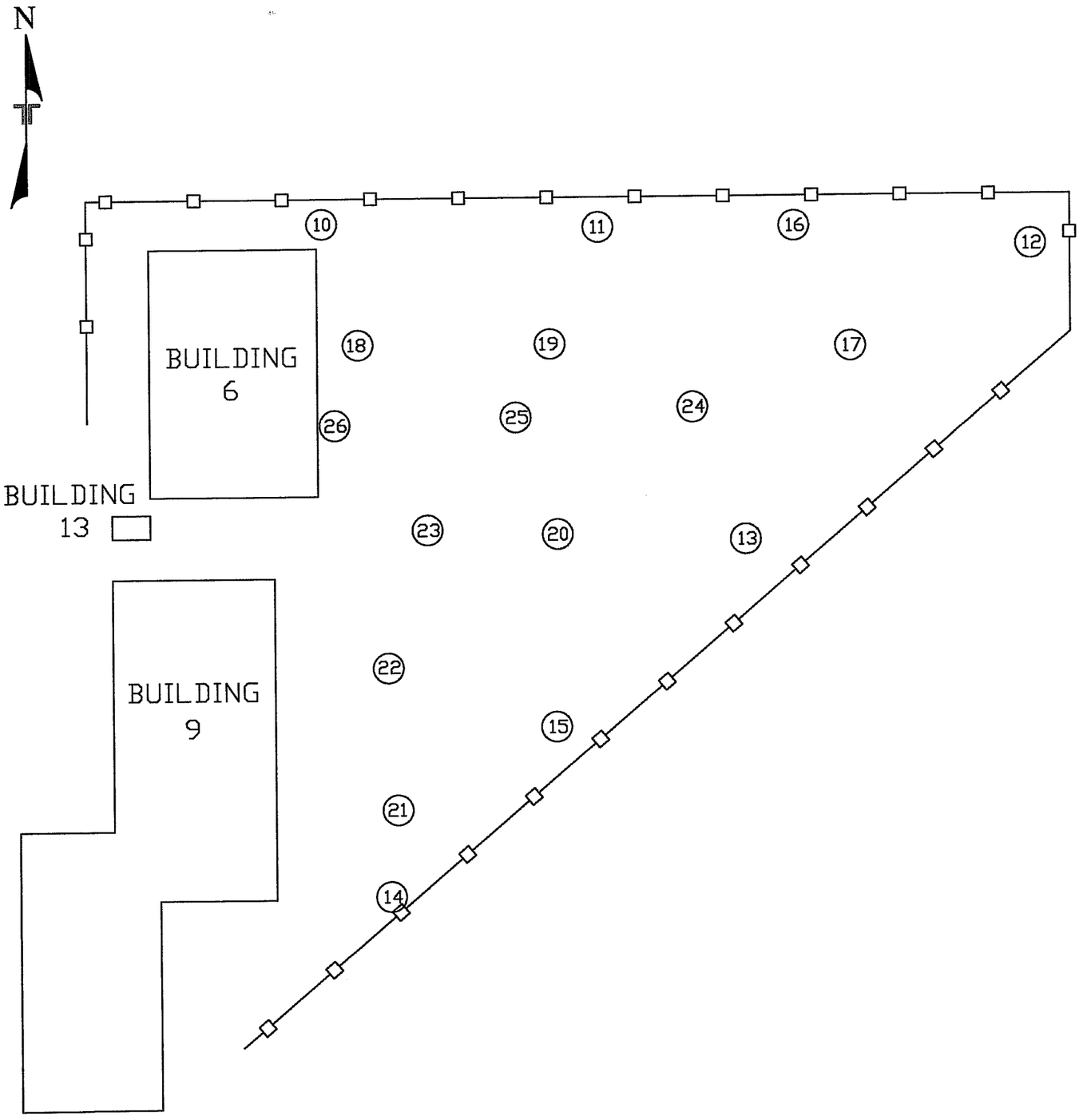
Approximate location of temporary monitoring wells installed by Terracon (GW-).

0' 50' 100'

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

FIGURE 6 – PROBE LOCATIONS, FEBRUARY, JUNE & JULY 2002
HARDESTY FEDERAL COMPLEX
601-607 HARDESTY AVENUE
KANSAS CITY, MISSOURI

Project Mngr:	TAR	Terracon	Project No.	02027042
Designed By:	BTW		Scale:	1"=50'
Checked By:	TAR	13910 WEST 96th TERRACE LENEXA, KANSAS 66215	Date:	7-3-02
Approved By:	TAR		Drawn By:	BTW
File Name:	FIGURE_6.DWG		Figure No.	6



LEGEND

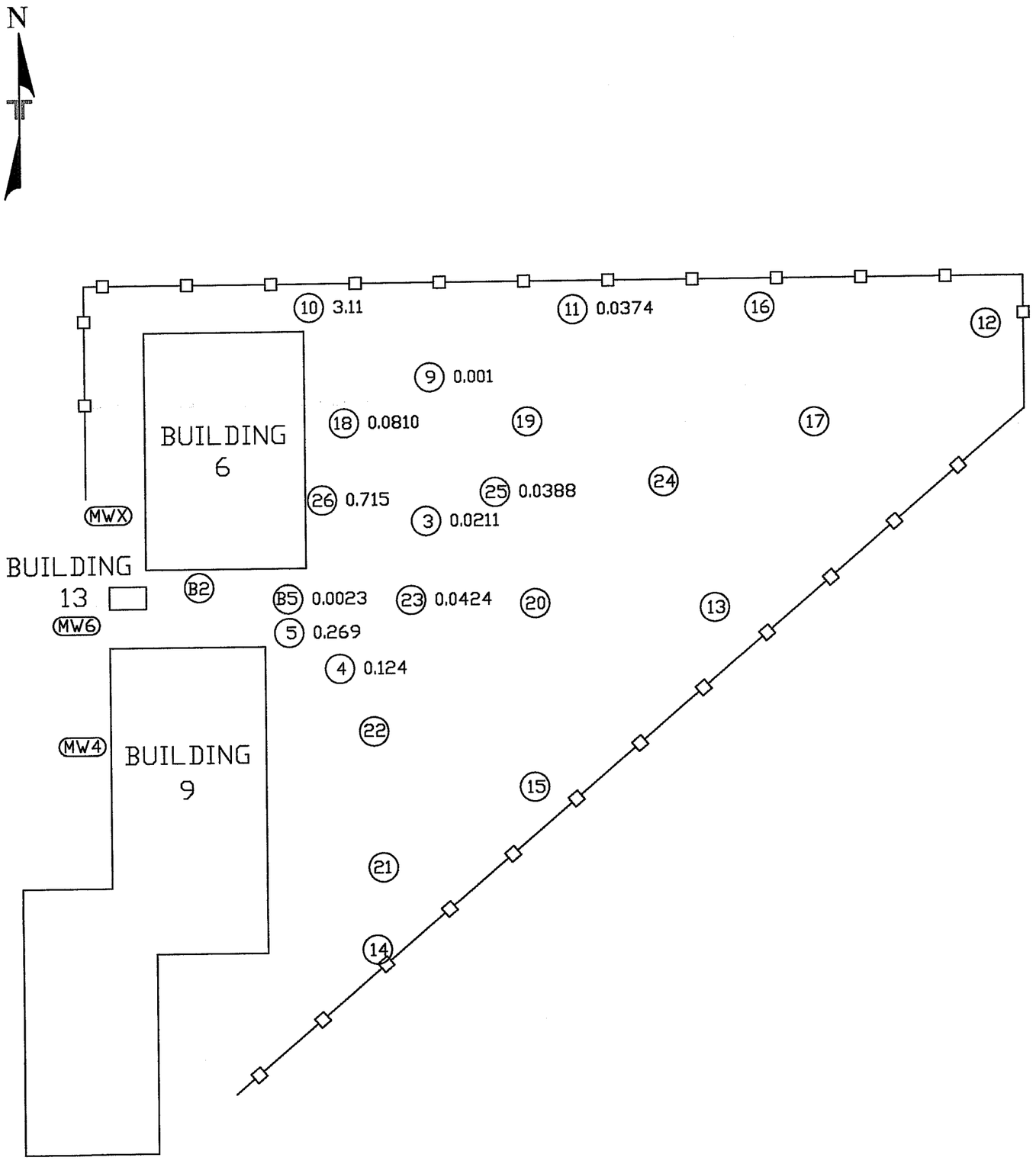
FENCING

(10) PROBE LOCATION

100 0 25 50 75 100

FIGURE 7 – PROBE LOCATIONS
OCTOBER 2002
HARDESTY FEDERAL COMPLEX
KANSAS CITY, MISSOURI

Project Mngr: TAR	Terracon	Project No.	02027042
Designed By:		Scale:	1"=100'
Checked By: TAR	13910 WEST 96th TERRACE LENEXA, KANSAS 66215	Date:	10-23-02
Approved By: TAR		Drawn By:	SLJ
File Name:	FIGURE_7.DWG	Figure No.	7



LEGEND

FENCING

(10) PROBE LOCATION

PCA = 1,1,2,2-TETRACHLOROETHANE

ANALYTICAL RESULTS IN MILLIGRAMS PER LITER (mg/l)

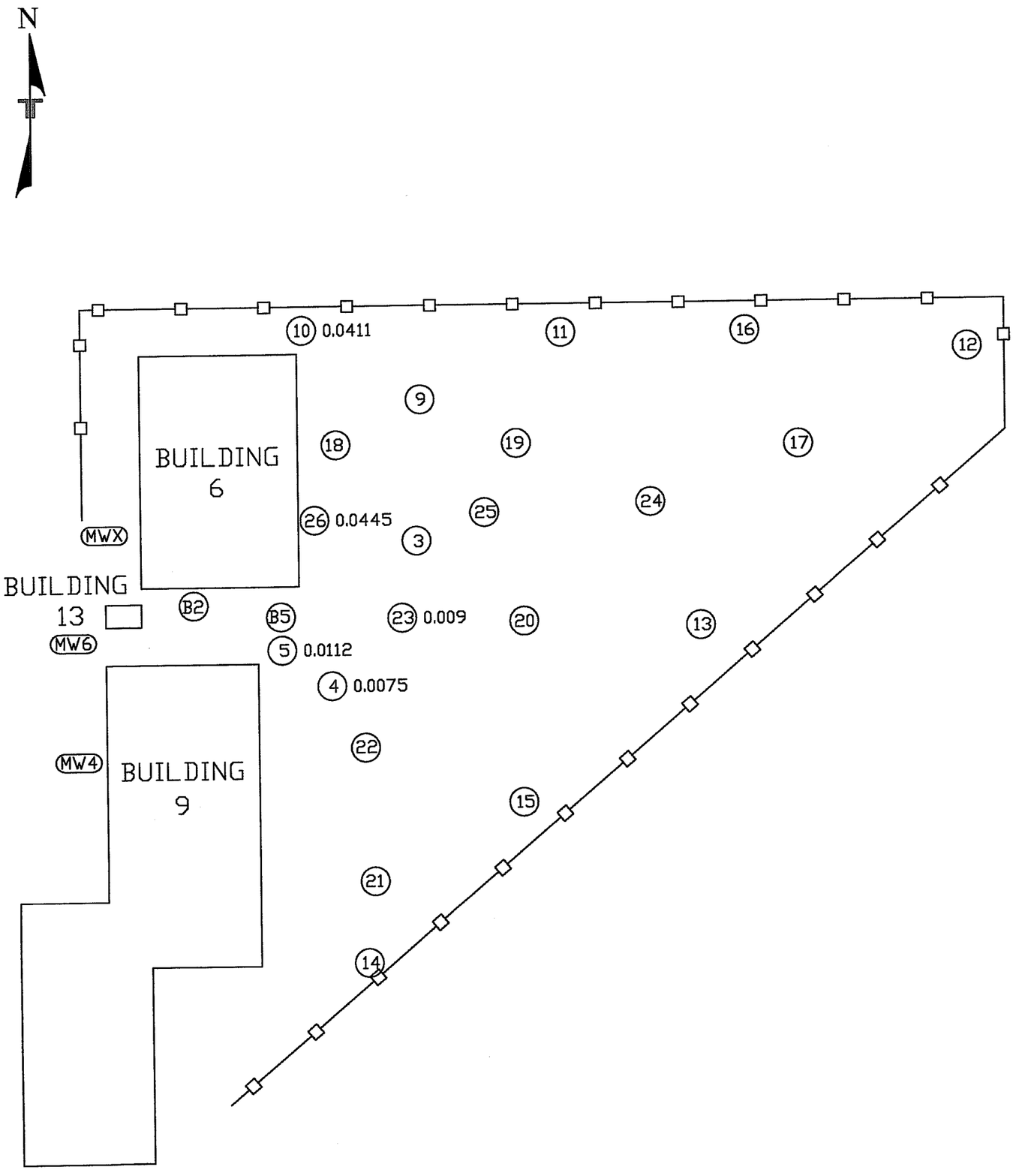
MDNR CALM FOR PCA = 0.0003mg/l

MW = CAPE ENVIRONMENTAL MANGEMENT, INC. MONITORING WELL

100 0 25 50 75 100

FIGURE 8 - GROUNDWATER PCA ANALYTICAL RESULTS ABOVE ACTION LEVELS
HARDESTY FEDERAL COMPLEX
KANSAS CITY, MISSOURI

Project Mngr:	TAR	Terracon	Project No.	02027042
Designed By:			Scale:	1"=100'
Checked By:	TAR	13910 WEST 96th TERRACE LENEXA, KANSAS 66215	Date:	10-21-02
Approved By:	TAR		Drawn By:	SLJ
File Name:	FIGURE_8.DWG		Figure No.	8



LEGEND

FENCING

(10) PROBE LOCATION

TCA = 1,1,2-TRICHLOROETHANE

ANALYTICAL RESULTS IN MILLIGRAMS PER LITER (mg/l)

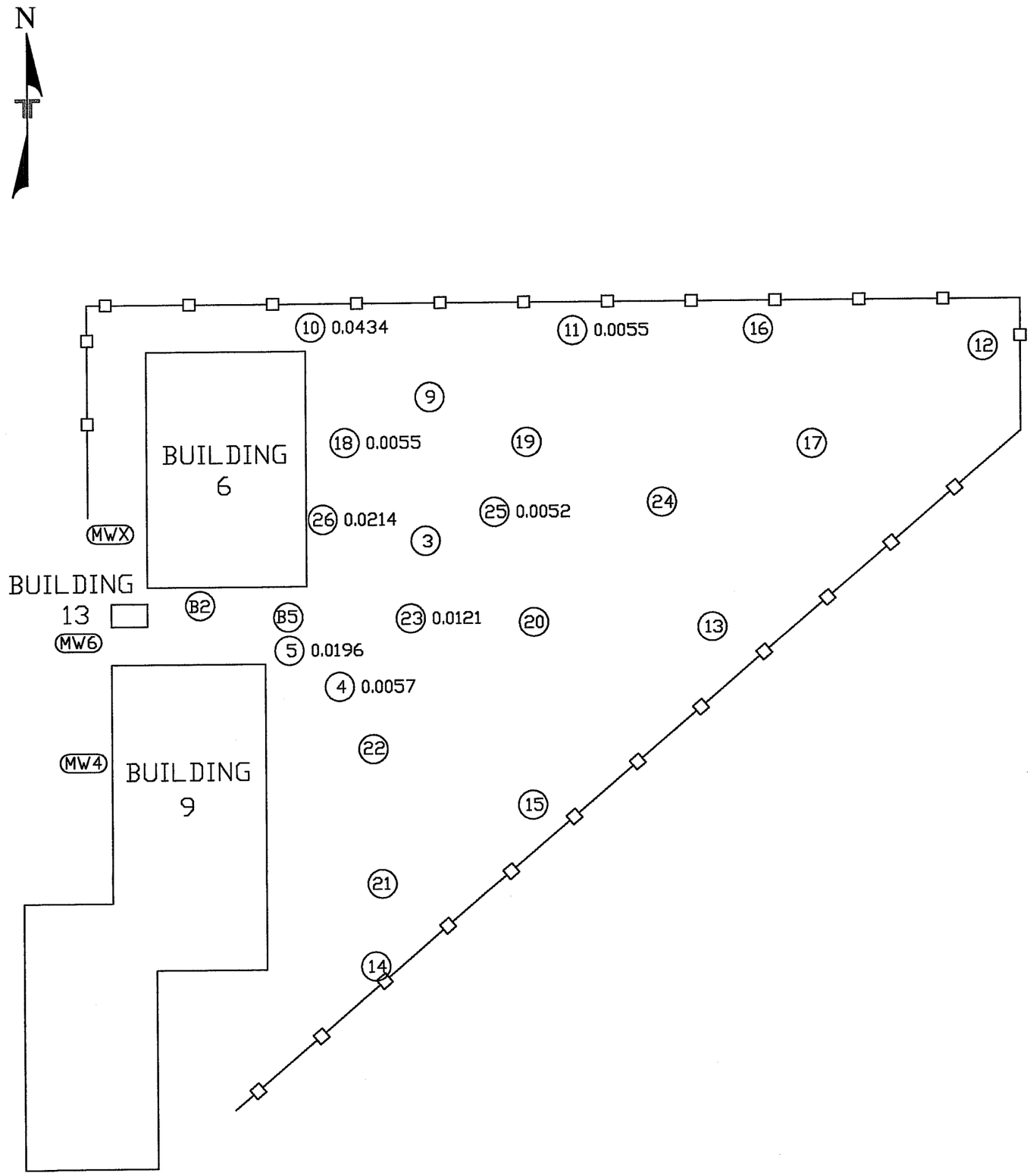
MDNR CALM FOR TCA = 0.005mg/l

MW = CAPE ENVIRONMENTAL MANGEMENT, INC. MONITORING WELL

100 0 25 50 75 100

FIGURE 9 – GROUNDWATER TCA ANALYTICAL RESULTS ABOVE ACTION LEVELS
HARDESTY FEDERAL COMPLEX
KANSAS CITY, MISSOURI

Project Mngr: TAR	Terracon	Project No.	02027042
Designed By:		Scale:	1"=100'
Checked By: TAR	13910 WEST 96th TERRACE LENEXA, KANSAS 66215	Date:	10-21-02
Approved By: TAR		Drawn By:	SLJ
File Name:	FIGURE_9.DWG	Figure No.	9



LEGEND

FENCING

(10) PROBE LOCATION

PCE = TETRACHLOROETHENE

ANALYTICAL RESULTS IN MILLIGRAMS PER LITER (mg/l)

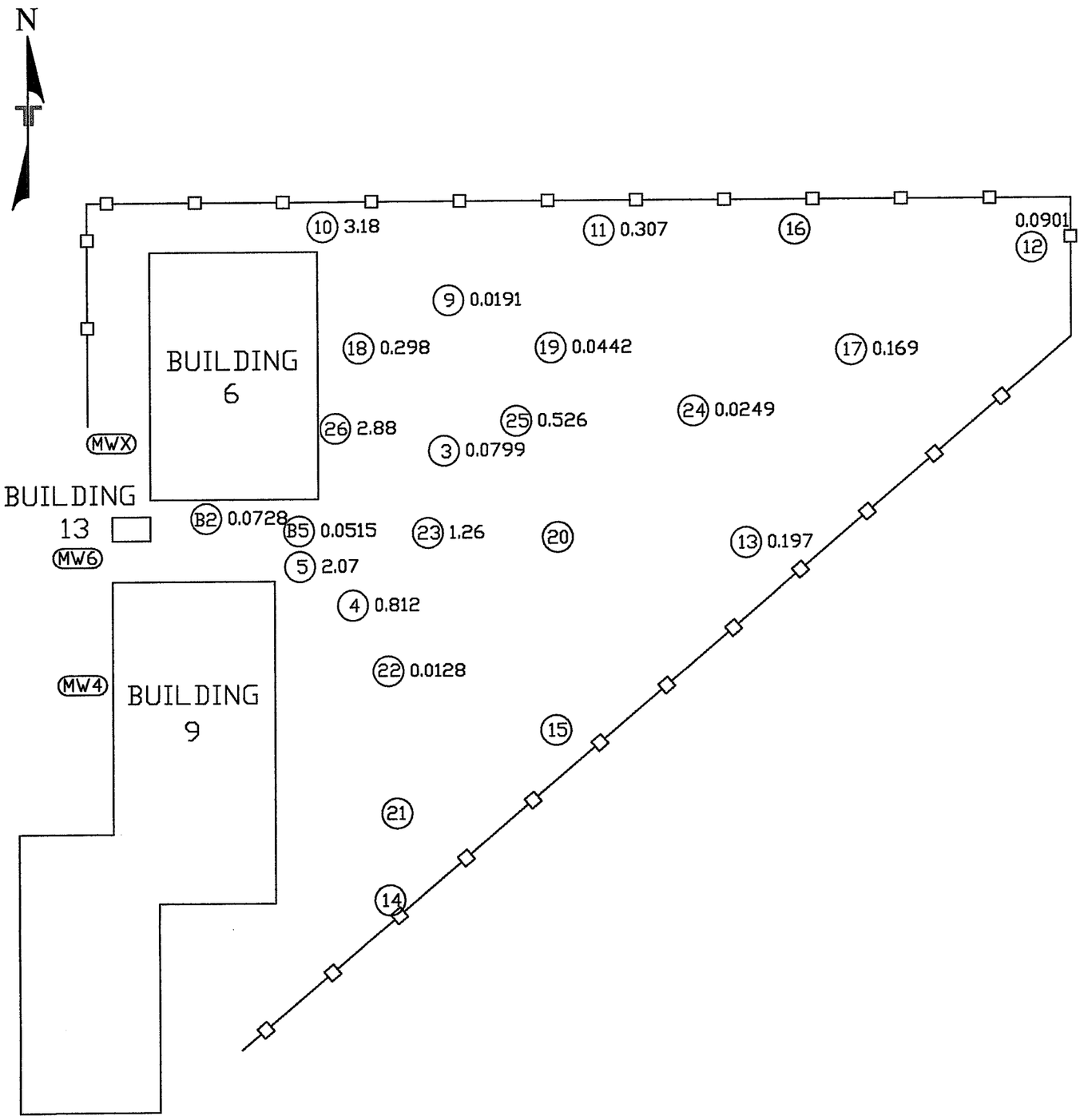
MDNR CALM FOR PCE = 0.005mg/l

MW = CAPE ENVIRONMENTAL MANGEMENT, INC. MONITORING WELL

100 0 25 50 75 100

FIGURE 10 – GROUNDWATER PCE ANALYTICAL RESULTS ABOVE ACTION LEVELS
HARDESTY FEDERAL COMPLEX
KANSAS CITY, MISSOURI

Project Mngr: TAR	Terracon	Project No.	02027042
Designed By:		Scale:	1"=100'
Checked By: TAR	13910 WEST 96th TERRACE LENEXA, KANSAS 66215	Date:	10-21-02
Approved By: TAR		Drawn By:	SLJ
File Name:	FIGURE_10.DWG	Figure No.	10



LEGEND

FENCING

(10) PROBE LOCATION

TCE = TRICHLOROETHENE

ANALYTICAL RESULTS IN MILLIGRAMS PER LITER (mg/l)

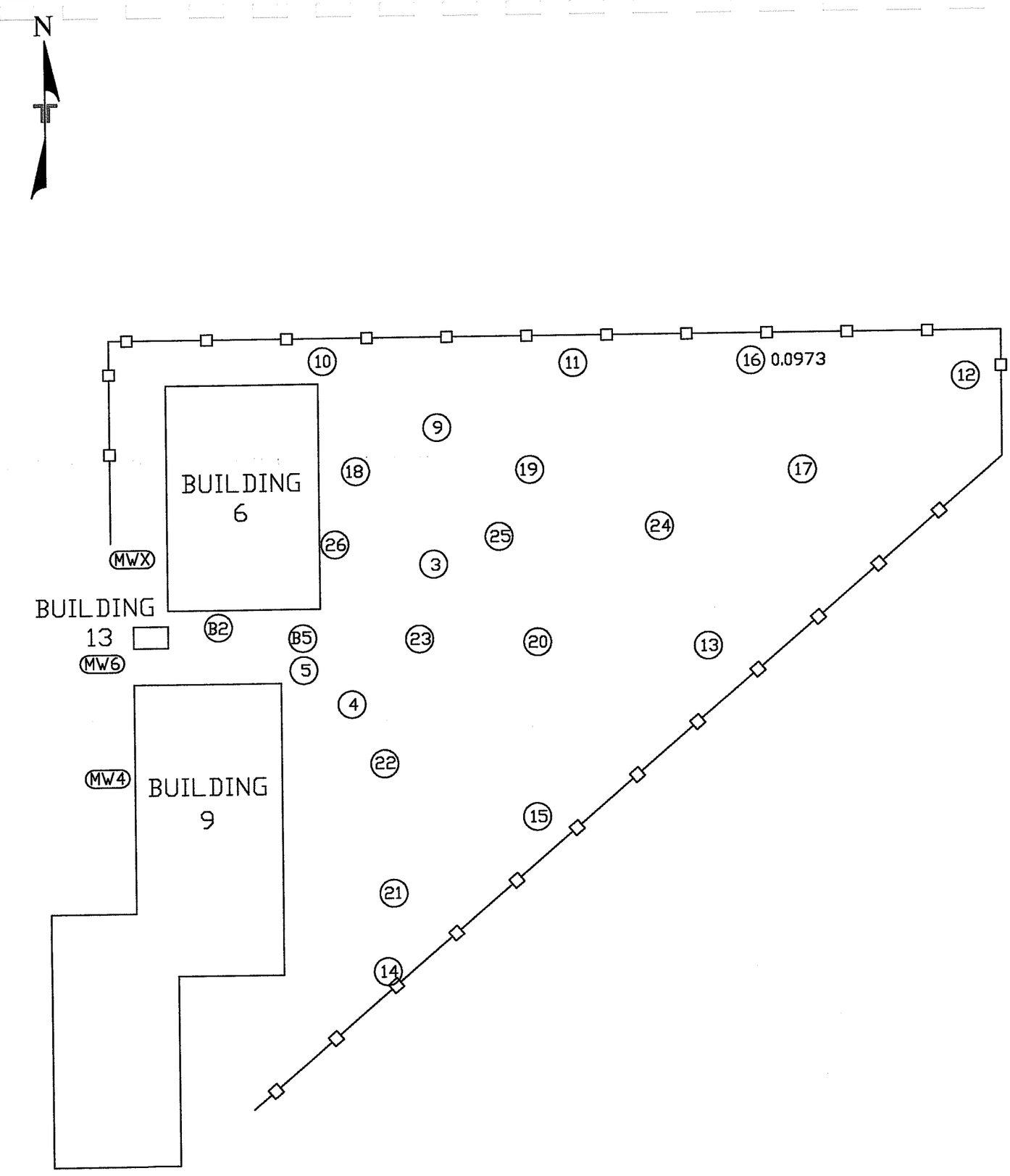
MDNR CALM FOR TCE = 0.005mg/l

MW = CAPE ENVIRONMENTAL MANGEMENT, INC. MONITORING WELL

100 0 25 50 75 100

FIGURE 11 – GROUNDWATER TCE ANALYTICAL RESULTS ABOVE ACTION LEVELS
HARDESTY FEDERAL COMPLEX
KANSAS CITY, MISSOURI

Project Mngr: TAR	Terracon	Project No.	02027042
Designed By:		Scale:	1"=100'
Checked By: TAR	13910 WEST 96th TERRACE LENEXA, KANSAS 66215	Date:	10-21-02
Approved By: TAR		Drawn By:	SLJ
File Name:	FIGURE_11.DWG	Figure No.	11



LEGEND

FENCING

(10) PROBE LOCATION

DCE = CIS-1,2-DICHLOROETHENE

ANALYTICAL RESULTS IN MILLIGRAMS PER LITER (mg/l)

MDNR CALM FOR DCE = 0.07mg/l

MW = CAPE ENVIRONMENTAL MANGEMENT, INC. MONITORING WELL

100 0 25 50 75 100

FIGURE 12 – GROUNDWATER DCE ANALYTICAL RESULTS ABOVE ACTION LEVELS
HARDESTY FEDERAL COMPLEX
KANSAS CITY, MISSOURI

Project Mngr: TAR	Terracon	Project No.	02027042
Designed By:		Scale:	1"=100'
Checked By: TAR	13910 WEST 96th TERRACE LENEXA, KANSAS 66215	Date:	10-21-02
Approved By: TAR		Drawn By:	SLJ
File Name: FIGURE_12.DWG		Figure No.	12

APPENDIX D

Reference Documents

LATITUDE AND LONGITUDE CALCULATION WORKSHEET #2
LI USING ENGINEER'S SCALE (1/60)

SITE NAME: Hardesty Federal Complex CERCLIS #: MON000703320

AKA: Quartermaster Depot SSID: _____

ADDRESS: 601-607 Hardesty Avenue

CITY: Kansas City STATE: Missouri ZIP CODE: 64116

SITE REFERENCE POINT: NE corner of Building 11

USGS QUAD MAP NAME: Kansas City, MO-KS TOWNSHIP: 49 (N)/S RANGE: 33 E/(W)

SCALE: (1:24,000) MAP DATE: 1964 Photorevised 1970 + 1975 SECTION: — 1/4 NE 1/4 NE 1/4 of 2

MAP DATUM: (1927) 1983 (CIRCLE ONE) MERIDIAN: _____

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 7.5' MAP (attach photocopy):

LONGITUDE: 94 ° 30 ' 00 " LATITUDE: 39 ° 00 ' 00 "

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 2.5' GRID CELL:

LONGITUDE: 94 ° 30 ' 00 " LATITUDE: 39 ° 05 ' 00 "

CALCULATIONS: LATITUDE (7.5' QUADRANGLE MAP)

A) NUMBER OF RULER GRADUATIONS FROM LATITUDE GRID LINE TO SITE REF POINT: 221

B) MULTIPLY (A) BY 0.3304 TO CONVERT TO SECONDS:

A x 0.3304 = 73 . 01 "

C) EXPRESS IN MINUTES AND SECONDS (1'= 60"): 01 ' 13 . 01 "

D) ADD TO STARTING LATITUDE: 39 ° 05 ' 00 . 00 " + 01 ' 13 . 01 =

SITE LATITUDE: 39 ° 06 ' 13 . 01 "

CALCULATIONS: LONGITUDE (7.5' QUADRANGLE MAP)

A) NUMBER OF RULER GRADUATIONS FROM RIGHT LONGITUDE LINE TO SITE REF POINT: 198

B) MULTIPLY (A) BY 0.3304 TO CONVERT TO SECONDS:

A x 0.3304 = 65 . 41 "

C) EXPRESS IN MINUTES AND SECONDS (1'= 60"): 01 ' 05 . 41 "

D) ADD TO STARTING LONGITUDE: 94 ° 30 ' 00 . 00 " + 01 ' 05 . 41 =

SITE LONGITUDE: 94 ° 31 ' 05 . 41 "

INVESTIGATOR: Travis A. Rayland DATE: 1-7-02

APPENDIX E

STANDARD OPERATING PROCEDURE TO DETERMINE SITE LATITUDE AND LONGITUDE COORDINATES

HAZARDOUS SITE EVALUATION DIVISION
SITE ASSESSMENT BRANCH
U.S ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C.

September 1991

KANSAS CITY/MUNICIPAL ARPT,

Located at *about* 39.11°N 94.60°W. Height *about* 228m / 748 feet above sea level.

Average Temperature

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
°C	-1.2	0.7	6.6	13.1	18.8	23.9	26.6	25.8	21.3	15.1	7.2	0.9	13.3
°F	29.8	33.3	43.9	55.6	65.8	75.0	79.9	78.4	70.3	59.2	45.0	33.6	55.9

Source: derived from GHCN 2 Beta. 1126 months between 1893 and 1993

For **current** weather conditions, weather maps and forecasts, see Weather Site dot com.

Map of this area from tiger.census.gov.
Locations outside the continental US are not mapped.

See this location marked on a 5° square map from the Xerox Parc Map Server.

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Frequently Asked Questions. DISCLAIMER.

KANSAS CITY/MUNICIPAL ARPT,

Located at *about* 39.11°N 94.60°W. Height *about* 228m / 748 feet above sea level.

Average Minimum Temperature

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
°C	-5.9	-4.2	1.1	7.6	13.5	18.7	21.4	20.5	15.9	9.5	2.1	-3.5	8.1
°F	21.4	24.4	34.0	45.7	56.3	65.7	70.5	68.9	60.6	49.1	35.8	25.7	46.6

Source: derived from GHCN 2 Beta. 1127 months between 1893 and 1993

For **current** weather conditions, weather maps and forecasts, see Weather Site dot com.

Map of this area from tiger.census.gov.
Locations outside the continental US are not mapped.

See this location marked on a 5° square map from the Xerox Parc Map Server.

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Frequently Asked Questions. DISCLAIMER.

KANSAS CITY/MUNICIPAL ARPT,

Located at *about* 39.11°N 94.60°W. Height *about* 228m / 748 feet above sea level.

Average Maximum Temperature

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
°C	3.5	5.6	12.0	18.6	24.0	29.0	31.8	31.0	26.7	20.6	12.1	5.3	18.4
°F	38.3	42.1	53.6	65.5	75.2	84.2	89.2	87.8	80.1	69.1	53.8	41.5	65.1

Source: derived from GHCN 2 Beta. 1127 months between 1893 and 1993

For **current** weather conditions, weather maps and forecasts, see Weather Site dot com.

Map of this area from tiger.census.gov.
Locations outside the continental US are not mapped.

See this location marked on a 5° square map from the Xerox Parc Map Server.

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Normal Monthly Precipitation (Inches)

NORMALS 1961-90	YRS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
BIRMINGHAM AP,AL	30	5.10	4.72	6.19	4.96	4.85	3.73	5.25	3.59	3.93	2.81	4.33	5.12	54.58
HUNTSVILLE, AL	30	5.17	4.87	6.62	4.93	5.08	4.13	4.85	3.47	4.08	3.25	4.86	5.87	57.18
MOBILE, AL	30	4.76	5.46	6.41	4.48	5.74	5.04	6.85	6.96	5.91	2.94	4.10	5.31	63.96
MONTGOMERY, AL	30	4.68	5.48	6.26	4.49	3.92	3.90	5.19	3.69	4.09	2.45	4.08	5.20	53.43
ANCHORAGE, AK	30	0.79	0.78	0.69	0.67	0.73	1.14	1.71	2.44	2.70	2.03	1.11	1.12	15.91
ANNETTE, AK	30	10.07	8.79	7.89	7.79	6.03	4.67	4.27	6.15	9.28	15.47	11.67	11.20	103.28
BARROW, AK	30	0.17	0.15	0.17	0.20	0.16	0.28	0.94	0.96	0.60	0.45	0.25	0.16	4.49
BETHEL, AK	30	0.58	0.43	0.59	0.70	0.78	1.44	1.98	2.91	2.04	1.45	1.07	1.02	14.99
BETTLES,AK	30	0.69	0.64	0.68	0.64	0.61	1.44	1.94	2.38	1.72	1.20	0.90	0.90	13.74
BIG DELTA,AK	30	0.33	0.28	0.25	0.29	0.92	2.56	2.72	1.92	1.06	0.71	0.52	0.40	11.96
COLD BAY,AK	30	2.84	2.27	2.16	1.97	2.29	2.10	2.52	3.24	4.41	4.34	4.19	3.67	36.00
FAIRBANKS, AK	30	0.47	0.40	0.37	0.32	0.61	1.37	1.87	1.96	0.95	0.90	0.80	0.85	10.87
GULKANA,AK	30	0.45	0.53	0.36	0.24	0.61	1.60	1.78	1.50	1.38	0.89	0.61	0.92	10.87
HOMER, AK	30	2.40	2.13	1.70	1.28	1.15	1.03	1.49	2.24	3.29	3.24	2.62	2.82	25.39
JUNEAU, AK	30	4.54	3.75	3.28	2.77	3.42	3.15	4.16	5.32	6.73	7.84	4.91	4.44	54.31
KING SALMON, AK	30	1.05	0.81	1.07	1.13	1.34	1.58	2.23	2.95	2.74	2.07	1.48	1.37	19.82
KODIAK, AK	30	7.38	5.28	4.63	4.20	5.52	4.78	3.70	5.15	6.99	7.18	5.96	6.81	67.58
KOTZEBUE, AK	30	0.43	0.32	0.35	0.37	0.33	0.52	1.46	1.78	1.58	0.73	0.59	0.52	8.98
MCGRATH, AK	30	0.75	0.66	0.80	0.82	0.87	1.47	2.05	2.47	1.98	1.40	1.29	1.40	15.96
NOME, AK	30	0.79	0.60	0.54	0.68	0.62	1.12	2.17	2.71	2.43	1.35	1.04	0.83	14.88
ST. PAUL ISLAND, AK	30	1.85	1.33	1.22	1.34	1.28	1.23	1.90	2.75	2.59	2.81	2.80	2.22	23.32
TALKEETNA, AK	30	1.30	1.44	1.46	1.59	1.67	2.63	3.63	4.52	4.23	3.10	1.73	1.91	29.21
UNALAKLEET, AK	30	0.69	0.51	0.70	0.63	0.87	1.35	2.28	3.04	2.28	1.24	1.09	0.91	15.59
VALDEZ, AK	30	5.60	5.13	4.70	3.16	3.83	3.08	3.84	5.96	8.37	8.07	5.50	6.80	64.04
YAKUTAT, AK	30	12.18	10.67	10.72	9.92	9.66	7.30	8.18	11.54	18.65	22.97	14.52	14.94	151.25
FLAGSTAFF, AZ	30	2.04	2.09	2.55	1.48	0.72	0.40	2.78	2.75	2.03	1.61	1.95	2.40	22.80
PHOENIX, AZ	30	0.67	0.68	0.88	0.22	0.12	0.13	0.83	0.96	0.86	0.65	0.66	1.00	7.66
TUCSON, AZ	30	0.87	0.70	0.72	0.30	0.18	0.20	2.37	2.19	1.67	1.06	0.67	1.07	12.00
WINSLOW, AZ	30	0.45	0.52	0.55	0.26	0.31	0.31	1.20	1.39	0.91	0.91	0.57	0.66	8.04
YUMA, AZ	30	0.35	0.22	0.21	0.14	0.04	0.02	0.26	0.64	0.31	0.29	0.24	0.45	3.17
FORT SMITH, AR	30	1.90	2.60	3.95	3.97	5.24	3.39	2.99	2.92	3.24	3.68	3.99	3.03	40.90
LITTLE ROCK, AR	30	3.42	3.61	4.91	5.49	5.17	3.57	3.60	3.26	4.05	3.75	5.20	4.83	50.86
NORTH LITTLE ROCK, AR	30	3.21	3.53	4.97	5.08	5.24	3.26	3.31	3.10	4.08	3.62	5.16	4.69	49.25
BAKERSFIELD, CA	30	0.86	1.06	1.04	0.57	0.20	0.10	0.01	0.09	0.17	0.29	0.70	0.63	5.72
BISHOP, CA	30	1.11	0.95	0.39	0.26	0.29	0.18	0.23	0.18	0.24	0.13	0.57	0.84	5.37
EUREKA, CA.	30	6.00	4.73	5.32	2.88	1.44	0.51	0.13	0.48	0.89	2.67	6.44	6.04	37.53
FRESNO, CA	30	1.96	1.80	1.89	0.97	0.30	0.08	0.01	0.03	0.24	0.53	1.37	1.42	10.60
LONG BEACH, CA	30	2.47	2.47	1.96	0.68	0.17	0.04	0.01	0.11	0.29	0.27	1.65	1.68	11.80
LOS ANGELES AP, CA	30	2.40	2.51	1.98	0.72	0.14	0.03	0.01	0.15	0.31	0.34	1.76	1.66	12.01
LOS ANGELES C.O., CA	30	2.92	3.07	2.61	1.03	0.19	0.03	0.01	0.14	0.45	0.31	1.98	2.03	14.77
REDDING, CA	30	6.06	4.45	4.38	2.08	1.27	0.56	0.17	0.46	0.91	2.24	5.21	5.51	33.30
SACRAMENTO, CA	30	3.73	2.87	2.57	1.16	0.27	0.12	0.05	0.07	0.37	1.08	2.72	2.51	17.52
SAN DIEGO, CA	30	1.80	1.53	1.77	0.79	0.19	0.07	0.02	0.10	0.24	0.37	1.45	1.57	9.90
SAN FRANCISCO AP, CA	30	4.35	3.17	3.06	1.37	0.19	0.11	0.03	0.05	0.20	1.22	2.86	3.09	19.70
SAN FRANCISCO C.O., CA	30	4.06	2.95	3.07	1.29	0.25	0.15	0.04	0.07	0.26	1.26	3.21	3.10	19.71
SANTA BARBARA, CA	30	3.21	3.61	2.84	1.06	0.16	0.04	0.02	0.11	0.45	0.52	2.03	2.20	16.25
SANTA MARIA, CA	30	2.16	2.62	2.27	0.99	0.20	0.03	0.01	0.05	0.30	0.49	1.46	1.78	12.36
STOCKTON, CA	30	2.84	1.97	2.17	1.08	0.26	0.08	0.06	0.07	0.35	0.79	2.17	2.11	13.95
ALAMOSA, CO	30	0.26	0.29	0.45	0.49	0.64	0.67	1.19	1.12	0.89	0.70	0.43	0.44	7.57
COLORADO SPRINGS, CO	30	0.29	0.40	0.94	1.19	2.15	2.25	2.90	3.02	1.33	0.84	0.47	0.46	16.24
DENVER, CO	30	0.50	0.57	1.28	1.71	2.40	1.79	1.91	1.51	1.24	0.98	0.87	0.64	15.40
GRAND JUNCTION, CO	30	0.56	0.48	0.90	0.75	0.87	0.50	0.65	0.81	0.82	0.98	0.71	0.61	8.64
PUEBLO, CO	30	0.32	0.31	0.78	0.88	1.25	1.25	2.09	1.99	0.90	0.57	0.43	0.42	11.19

REFERENCE 3

BRIDGEPORT, CT	30	3.24	3.01	3.75	3.75	3.93	3.46	3.78	3.25	3.07	3.11	3.81	3.50	41.66
HARTFORD, CT	30	3.41	3.23	3.63	3.85	4.12	3.75	3.19	3.65	3.79	3.57	4.04	3.91	44.14
WILMINGTON, DE	30	3.03	2.91	3.43	3.39	3.84	3.55	4.23	3.40	3.43	2.88	3.27	3.48	40.84
WASHINGTON DULLES AP, D.C.	30	2.70	2.81	3.17	3.11	4.02	3.92	3.49	3.94	3.36	3.20	3.30	3.22	40.24
WASHINGTON NAT'L AP, D.C.	30	2.72	2.71	3.17	2.71	3.66	3.38	3.80	3.91	3.31	3.02	3.12	3.12	38.63
APALACHICOLA, FL	30	3.90	3.79	4.25	2.72	2.67	4.55	7.35	7.50	7.54	3.40	3.20	4.08	54.95
DAYTONA BEACH, FL	30	2.75	3.11	2.90	2.23	3.45	5.99	5.40	6.16	6.34	4.13	2.84	2.59	47.89
FORT MYERS, FL	30	1.84	2.23	3.07	1.06	3.87	9.52	8.26	9.66	7.82	2.94	1.57	1.53	53.37
GAINESVILLE, FL	30	3.35	4.21	3.65	2.64	3.76	6.77	6.80	8.01	5.27	1.82	2.26	3.27	51.81
JACKSONVILLE, FL	30	3.31	3.93	3.68	2.77	3.55	5.69	5.60	7.93	7.05	2.90	2.19	2.72	51.32
KEY WEST, FL	30	2.01	1.80	1.71	1.75	3.46	5.09	3.61	5.03	5.85	4.42	2.84	2.02	39.59
MIAMI, FL	30	2.01	2.08	2.39	2.85	6.21	9.33	5.70	7.58	7.63	5.64	2.66	1.83	55.91
ORLANDO, FL	30	2.30	3.02	3.21	1.80	3.55	7.32	7.25	6.78	6.01	2.42	2.30	2.15	48.11
PENSACOLA, FL	30	4.68	5.40	5.63	3.77	4.20	6.40	7.42	7.39	5.32	4.21	3.54	4.29	62.25
TALLAHASSEE, FL	30	4.77	5.56	6.21	3.74	4.75	6.93	8.82	7.53	5.58	2.92	3.87	5.03	65.71
TAMPA, FL	30	1.99	3.08	3.01	1.15	3.10	5.48	6.58	7.61	5.98	2.02	1.77	2.15	43.92
VERO BEACH, FL	30	2.14	2.91	3.09	1.90	4.36	6.46	6.09	6.10	7.15	5.52	3.27	2.17	51.16
WEST PALM BEACH, FL	30	2.80	2.69	3.66	2.91	6.13	8.09	6.14	6.02	8.53	6.60	4.69	2.49	60.75
ATHENS, GA	30	4.60	4.42	5.46	3.99	4.37	3.93	4.88	3.70	3.36	3.28	3.66	4.09	49.74
ATLANTA, GA	30	4.75	4.81	5.77	4.26	4.29	3.56	5.01	3.66	3.42	3.05	3.86	4.33	50.77
AUGUSTA,GA	30	4.05	4.27	4.65	3.31	3.77	4.13	4.24	4.50	3.02	2.84	2.48	3.40	44.66
COLUMBUS, GA	30	4.59	4.85	5.77	4.30	4.17	4.07	5.54	3.73	3.23	2.22	3.56	4.97	51.00
MACON, GA	30	4.56	4.74	4.79	3.46	3.57	3.58	4.30	3.63	2.78	2.18	2.73	4.31	44.63
SAVANNAH, GA	30	3.59	3.22	3.78	3.03	4.09	5.66	6.38	7.46	4.47	2.39	2.19	2.96	49.22
HILO, HI	30	9.88	10.29	13.92	15.26	9.91	6.20	9.71	9.34	8.53	9.60	14.51	12.04	129.19
HONOLULU,HI	30	3.55	2.21	2.20	1.54	1.13	0.50	0.59	0.44	0.78	2.28	3.00	3.80	22.02
KAHULUI, HI	30	4.14	2.87	2.72	1.84	0.77	0.27	0.38	0.49	0.35	1.23	2.59	3.27	20.92
LIHUE, HI	30	5.89	3.33	4.17	3.50	3.15	1.69	2.13	1.76	2.37	4.41	5.45	5.15	43.00
BOISE, ID	30	1.45	1.07	1.29	1.24	1.08	0.81	0.35	0.43	0.80	0.75	1.48	1.36	12.11
LEWISTON, ID	30	1.28	0.89	1.09	1.13	1.31	1.25	0.67	0.78	0.78	0.90	1.15	1.20	12.43
POCATELLO, ID	30	1.04	0.92	1.26	1.20	1.35	1.02	0.65	0.67	0.85	0.91	1.16	1.11	12.14
CHICAGO,IL	30	1.53	1.36	2.69	3.64	3.32	3.78	3.66	4.22	3.82	2.41	2.92	2.47	35.82
MOLINE, IL	30	1.54	1.23	2.98	3.90	4.30	4.27	4.95	4.22	4.02	2.93	2.51	2.23	39.08
PEORIA, IL	30	1.51	1.42	2.91	3.77	3.70	3.99	4.20	3.10	3.87	2.65	2.69	2.44	36.25
ROCKFORD, IL	30	1.28	1.14	2.46	3.65	3.66	4.52	4.12	4.15	3.80	2.88	2.57	2.05	36.28
SPRINGFIELD, IL	30	1.51	1.77	3.24	3.68	3.62	3.43	3.52	3.29	3.33	2.60	2.53	2.73	35.25
EVANSVILLE, IN	30	2.66	3.12	4.71	4.02	4.75	3.49	4.04	3.11	2.97	2.87	3.73	3.67	43.14
FORT WAYNE, IN	30	1.87	1.91	2.90	3.38	3.44	3.59	3.45	3.37	2.67	2.49	2.79	2.89	34.75
INDIANAPOLIS, IN	30	2.32	2.46	3.79	3.70	4.00	3.49	4.47	3.64	2.87	2.63	3.23	3.34	39.94
SOUTH BEND, IN	30	2.23	1.90	3.10	3.82	3.22	4.11	3.82	3.67	3.62	3.08	3.27	3.30	39.14
DES MOINES, IA	30	0.96	1.11	2.33	3.36	3.66	4.46	3.78	4.20	3.53	2.62	1.79	1.32	33.12
DUBUQUE,IA	30	1.26	1.32	2.89	3.72	4.26	4.13	4.02	4.69	4.67	2.73	2.71	1.96	38.36
SIOUX CITY, IA	30	0.55	0.71	1.96	2.34	3.67	3.71	3.27	2.97	2.88	1.94	1.08	0.78	25.86
WATERLOO, IA	30	0.80	1.08	2.30	3.30	4.08	4.47	4.83	3.64	3.51	2.57	1.82	1.30	33.70
CONCORDIA, KS	30	0.58	0.75	2.20	2.31	4.29	4.49	3.65	3.54	3.01	1.99	1.13	0.84	28.78
DODGE CITY, KS	30	0.49	0.62	1.56	2.05	3.03	3.10	3.24	2.73	1.91	1.28	0.83	0.65	21.49
GOODLAND, KS	30	0.41	0.39	1.18	1.30	3.49	3.19	2.87	1.80	1.57	0.90	0.69	0.41	18.20
TOPEKA, KS	30	0.95	1.04	2.46	3.08	4.45	5.54	3.59	3.89	3.81	3.06	1.93	1.43	35.23
WICHITA, KS	30	0.79	0.96	2.43	2.38	3.81	4.31	3.13	3.02	3.49	2.22	1.59	1.20	29.33
GREATER CINCINNATI AP	30	2.59	2.69	4.24	3.75	4.28	3.84	4.24	3.35	2.88	2.86	3.46	3.15	41.33
JACKSON, KY	30	3.76	3.82	4.77	3.95	4.63	4.25	5.14	3.91	3.66	3.20	4.20	4.38	49.67
LEXINGTON, KY	30	2.86	3.21	4.40	3.88	4.47	3.66	5.00	3.93	3.20	2.57	3.39	3.98	44.55
LOUISVILLE, KY	30	2.86	3.30	4.66	4.23	4.62	3.46	4.51	3.54	3.16	2.71	3.70	3.64	44.39
PADUCAH KY	30	3.27	3.90	4.92	5.01	4.94	4.05	4.19	3.34	3.69	3.00	4.32	4.68	49.31
BATON ROUGE, LA	30	4.91	5.52	4.81	5.37	4.89	4.48	6.74	6.00	4.85	3.48	4.31	5.53	60.89
LAKE CHARLES, LA	30	4.52	3.59	3.29	3.33	5.67	4.96	5.20	5.33	5.69	3.95	4.26	5.05	54.84
NEW ORLEANS, LA	30	5.05	6.01	4.90	4.50	4.56	5.84	6.12	6.17	5.51	3.05	4.42	5.75	61.88
SHREVEPORT, LA	30	3.88	3.92	3.59	3.75	5.18	4.29	3.67	2.43	3.12	3.73	4.45	4.10	46.11
CARIBOU, ME	30	2.42	1.92	2.43	2.45	3.07	2.91	4.01	4.07	3.45	3.10	3.55	3.22	36.60
PORTLAND, ME	30	3.53	3.33	3.67	4.08	3.62	3.44	3.09	2.87	3.09	3.90	5.17	4.55	44.34
BALTIMORE, MD	30	3.05	3.12	3.38	3.09	3.72	3.67	3.69	3.92	3.41	2.98	3.32	3.41	40.76
BLUE HILL, MA	30	4.15	4.31	4.41	4.05	3.80	3.43	3.49	3.92	3.82	3.94	4.92	4.71	48.95
BOSTON, MA	30	3.59	3.62	3.69	3.60	3.25	3.09	2.84	3.24	3.06	3.30	4.22	4.01	41.51

WORCESTER, MA	30	3.68	3.46	3.95	3.91	4.33	3.88	3.85	3.82	4.01	4.32	4.49	4.05	47.75
ALPENA, MI	30	1.64	1.29	2.11	2.25	2.74	3.04	2.92	3.40	3.11	2.10	2.20	2.03	28.83
DETROIT, MI	30	1.76	1.74	2.55	2.95	2.92	3.61	3.18	3.43	2.89	2.10	2.67	2.82	32.62
FLINT, MI	30	1.39	1.28	2.16	2.94	2.65	3.21	2.71	3.49	3.56	2.18	2.60	2.11	30.28
GRAND RAPIDS, MI	30	1.83	1.42	2.63	3.37	3.13	3.68	3.19	3.57	4.24	2.81	3.32	2.85	36.04
HOUGHTON LAKE, MI	30	1.50	1.16	2.02	2.22	2.57	3.02	2.58	3.37	3.41	2.18	2.27	1.95	28.25
LANSING, MI	30	1.49	1.36	2.30	2.81	2.61	3.71	2.52	3.20	3.56	2.10	2.63	2.33	30.62
MARQUETTE, MI	30	2.17	1.73	2.77	2.64	3.03	3.48	2.88	3.41	4.08	3.61	2.89	2.61	35.30
MUSKEGON, MI	30	2.34	1.49	2.51	2.90	2.60	2.35	2.10	3.41	3.88	2.80	3.15	3.03	32.56
SAULT STE. MARIE, MI	30	2.42	1.74	2.30	2.35	2.71	3.14	2.71	3.61	3.69	3.23	3.45	2.88	34.23
DULUTH, MN	30	1.22	0.80	1.91	2.25	3.03	3.82	3.61	3.99	3.84	2.49	1.80	1.24	30.00
INTERNATIONAL FALLS, MN	30	0.88	0.63	1.06	1.58	2.47	3.93	3.59	3.11	3.15	1.97	1.15	0.84	24.36
MINNEAPOLIS-ST.PAUL, MN	30	0.95	0.88	1.94	2.42	3.39	4.05	3.53	3.62	2.72	2.19	1.55	1.08	28.32
ROCHESTER, MN	30	0.78	0.74	1.78	2.73	3.40	3.72	4.20	3.88	3.47	2.32	1.61	1.03	29.66
SAINT CLOUD, MN	30	0.74	0.63	1.41	2.35	3.16	4.60	3.11	3.96	3.16	2.21	1.27	0.83	27.43
JACKSON, MS	30	5.24	4.70	5.82	5.57	5.05	3.18	4.51	3.77	3.55	3.26	4.81	5.91	55.37
MERIDIAN, MS	30	5.15	5.43	6.75	5.46	4.42	3.63	5.15	3.58	3.52	3.06	4.49	6.07	56.71
TUPELO, MS	30	4.89	4.72	6.07	5.25	5.72	3.84	4.30	3.05	3.60	3.42	4.85	6.16	55.87
COLUMBIA, MO	30	1.45	1.84	3.17	3.83	5.01	4.32	3.67	3.28	3.86	3.22	2.93	2.47	39.05
KANSAS CITY, MO	30	1.09	1.10	2.51	3.12	5.04	4.72	4.38	4.01	4.86	3.29	1.92	1.58	37.62
ST. LOUIS, MO	30	1.81	2.12	3.58	3.50	3.97	3.72	3.85	2.85	3.12	2.68	3.28	3.03	37.51
SPRINGFIELD, MO	30	1.79	2.17	3.89	4.18	4.38	5.09	2.92	3.51	4.62	3.58	3.75	3.16	43.04
BILLINGS, MT	30	0.90	0.64	1.16	1.74	2.57	1.99	0.94	1.01	1.36	1.14	0.84	0.79	15.08
GLASGOW, MT	30	0.37	0.27	0.41	0.69	1.77	2.11	1.72	1.35	1.00	0.61	0.28	0.38	10.96
GREAT FALLS, MT	30	0.91	0.57	1.10	1.41	2.52	2.39	1.24	1.54	1.24	0.78	0.66	0.85	15.21
HELENA, MT	30	0.63	0.41	0.73	0.97	1.78	1.87	1.10	1.29	1.15	0.60	0.48	0.59	11.60
KALISPELL, MT	30	1.53	1.10	1.02	1.10	1.87	2.21	1.12	1.40	1.26	0.87	1.30	1.73	16.51
MISSOULA, MT	30	1.24	0.79	0.97	0.96	1.78	1.78	0.91	1.20	1.12	0.74	0.81	1.16	13.46
GRAND ISLAND, NE	30	0.46	0.72	1.89	2.50	3.82	3.91	2.83	2.82	2.85	1.35	1.04	0.71	24.90
LINCOLN, NE	30	0.54	0.72	2.09	2.76	3.90	3.89	3.20	3.41	3.48	2.12	1.27	0.88	28.26
NORFOLK, NE	30	0.52	0.77	1.86	2.29	3.68	4.46	3.22	2.55	2.45	1.60	1.01	0.74	25.15
NORTH PLATTE, NE	30	0.36	0.43	1.20	1.99	3.43	3.37	3.06	1.74	1.61	0.98	0.66	0.47	19.30
OMAHA EPPLEY AP, NE	30	0.74	0.77	2.04	2.66	4.52	3.87	3.51	3.24	3.72	2.28	1.49	1.02	29.86
OMAHA (NORTH), NE	30	0.65	0.78	2.13	2.74	4.36	3.90	3.27	3.22	3.65	2.41	1.35	0.93	29.39
SCOTTSBLUFF, NE	30	0.50	0.47	1.09	1.58	2.77	2.64	2.06	1.07	1.10	0.81	0.62	0.56	15.27
VALENTINE, NE	30	0.29	0.43	1.04	1.67	3.16	2.89	3.06	2.28	1.53	0.91	0.60	0.37	18.23
ELKO, NV	30	0.98	0.80	0.96	0.82	1.00	0.91	0.33	0.65	0.62	0.65	1.11	1.10	9.93
ELY, NV	30	0.70	0.65	0.96	1.00	1.15	0.88	0.69	0.83	1.01	0.89	0.67	0.70	10.13
LAS VEGAS, NV	30	0.48	0.48	0.42	0.21	0.28	0.12	0.35	0.49	0.28	0.21	0.43	0.38	4.13
RENO, NV	30	1.07	0.99	0.71	0.38	0.69	0.46	0.28	0.32	0.39	0.38	0.87	0.99	7.53
WINNEMUCCA, NV	30	0.74	0.62	0.78	0.84	0.83	0.86	0.27	0.45	0.40	0.62	0.94	0.88	8.23
CONCORD, NH	30	2.51	2.53	2.72	2.91	3.14	3.15	3.23	3.32	2.81	3.23	3.66	3.16	36.37
MT. WASHINGTON, NH	30	7.94	8.56	8.97	8.17	7.51	7.82	7.08	8.24	7.38	7.19	10.38	9.72	98.96
ATLANTIC CITY AP, NJ	30	3.46	3.06	3.62	3.56	3.33	2.64	3.83	4.14	2.93	2.82	3.58	3.32	40.29
ATLANTIC CITY C.O.,NJ	30	3.27	3.02	3.36	3.25	2.96	2.56	3.31	3.84	2.65	2.40	3.19	3.29	37.10
NEWARK, NJ	30	3.39	3.04	3.87	3.84	4.13	3.22	4.50	3.91	3.66	3.05	3.91	3.45	43.97
ALBUQUERQUE, NM	30	0.44	0.46	0.54	0.52	0.50	0.59	1.37	1.64	1.00	0.89	0.43	0.50	8.88
CLAYTON, NM	30	0.24	0.31	0.55	0.94	1.99	2.27	2.70	2.61	1.77	0.90	0.52	0.29	15.09
ROSWELL, NM	30	0.35	0.46	0.33	0.46	1.04	1.61	1.71	2.58	2.02	1.05	0.52	0.45	12.58
ALBANY, NY	30	2.36	2.27	2.93	2.99	3.41	3.62	3.18	3.47	2.95	2.83	3.23	2.93	36.17
BINGHAMTON, NY	30	2.40	2.33	2.82	3.13	3.36	3.60	3.50	3.36	3.32	2.89	3.28	3.00	36.99
BUFFALO, NY	30	2.70	2.31	2.68	2.87	3.14	3.55	3.08	4.17	3.49	3.05	3.83	3.67	38.58
ISLIP, NY	30	3.69	3.48	4.10	4.23	3.94	3.82	3.46	4.04	3.48	3.55	4.23	4.05	46.07
NEW YORK C.PARK, NY	30	3.42	3.27	4.08	4.20	4.42	3.67	4.35	4.01	3.89	3.56	4.47	3.91	47.25
NEW YORK (JFK AP), NY	30	3.17	3.02	3.59	3.90	3.80	3.65	3.80	3.41	3.30	2.88	3.65	3.42	41.59
NEW YORK (LAGUARDIA AP), NY	30	3.04	2.86	3.60	3.79	3.82	3.57	4.07	3.75	3.39	3.02	3.81	3.40	42.12
ROCHESTER, NY	30	2.08	2.10	2.28	2.61	2.72	3.00	2.71	3.40	2.97	2.44	2.92	2.73	31.96
SYRACUSE, NY	30	2.34	2.15	2.77	3.33	3.28	3.79	3.81	3.51	3.79	3.24	3.72	3.20	38.93
ASHEVILLE, NC	30	3.25	3.91	4.63	3.36	4.43	4.23	4.52	4.69	3.87	3.59	3.59	3.52	47.59
CAPE HATTERAS, NC	30	5.30	4.12	4.29	3.53	4.00	4.11	4.98	6.00	5.27	4.98	4.97	4.54	56.09
CHARLOTTE, NC	30	3.71	3.84	4.43	2.68	3.82	3.39	3.92	3.73	3.50	3.36	3.23	3.48	43.09
GREENSBORO-WNSTN-SALM-HGHPT,NC	30	3.17	3.32	3.72	2.84	4.02	3.81	4.51	3.88	3.52	3.50	2.97	3.36	42.62
RALEIGH, NC	30	3.48	3.69	3.77	2.59	3.92	3.68	4.01	4.02	3.19	2.86	2.98	3.24	41.43

WILMINGTON, NC	30	3.87	3.70	3.88	2.87	4.43	5.98	8.13	6.94	5.04	2.69	3.11	3.63	54.27
BISMARCK, ND	30	0.45	0.43	0.77	1.67	2.18	2.72	2.14	1.72	1.49	0.90	0.49	0.51	15.47
FARGO, ND	30	0.67	0.45	1.06	1.82	2.45	2.82	2.70	2.43	1.99	1.68	0.73	0.65	19.45
WILLISTON, ND	30	0.53	0.42	0.69	1.28	1.99	2.28	2.10	1.25	1.33	0.77	0.45	0.58	13.67
AKRON, OH	30	2.16	2.23	3.33	3.16	3.73	3.18	4.08	3.32	3.32	2.35	3.01	2.95	36.82
CLEVELAND, OH	30	2.04	2.19	2.91	3.14	3.49	3.70	3.52	3.40	3.44	2.54	3.17	3.09	36.63
COLUMBUS, OH	30	2.18	2.24	3.27	3.21	3.93	4.04	4.31	3.72	2.96	2.15	3.22	2.86	38.09
DAYTON, OH	30	2.13	2.17	3.42	3.46	3.88	3.82	3.54	3.20	2.54	2.48	3.07	2.93	36.64
MANSFIELD, OH	30	1.98	2.02	3.30	3.64	4.35	3.95	4.04	4.08	3.38	2.34	3.51	3.07	39.66
TOLEDO, OH	30	1.75	1.73	2.66	2.96	2.91	3.75	3.27	3.25	2.85	2.10	2.81	2.93	32.97
YOUNGSTOWN, OH	30	2.13	2.03	3.11	3.06	3.52	3.94	4.07	3.32	3.48	2.62	3.11	2.93	37.32
OKLAHOMA CITY, OK	30	1.13	1.56	2.71	2.77	5.22	4.31	2.61	2.60	3.84	3.23	1.98	1.40	33.36
TULSA, OK	30	1.54	1.97	3.46	3.72	5.60	4.44	3.09	3.12	4.70	3.66	3.13	2.16	40.59
ASTORIA, OR	30	10.00	7.59	7.07	4.60	3.02	2.40	1.15	1.33	2.91	5.73	10.05	10.55	66.40
BURNS,OR	30	0.99	0.76	1.01	0.65	0.98	0.83	0.40	0.66	0.56	0.72	1.25	1.15	9.96
EUGENE, OR	30	7.91	5.64	5.52	3.11	2.16	1.43	0.51	1.08	1.67	3.41	8.32	8.61	49.37
MEDFORD, OR	30	2.69	1.93	1.82	1.16	1.00	0.58	0.26	0.52	0.86	1.49	3.23	3.32	18.86
PENDLETON, OR	30	1.51	1.14	1.16	1.04	0.99	0.64	0.35	0.53	0.59	0.86	1.58	1.63	12.02
PORTLAND, OR	30	5.35	3.85	3.56	2.39	2.06	1.48	0.63	1.09	1.75	2.67	5.34	6.13	36.30
SALEM, OR	30	5.92	4.50	4.17	2.42	1.88	1.34	0.56	0.76	1.55	2.98	6.28	6.80	39.16
GUAM, PC	30	5.55	5.11	4.45	4.71	7.10	6.49	11.78	14.59	15.02	12.74	9.06	6.44	103.04
KOROR, PC	30	10.70	9.12	8.20	8.67	11.99	17.27	18.04	14.95	11.86	13.87	11.32	11.98	147.97
KWAJALEIN, MARSHALL IS., PC	30	4.56	3.23	4.10	7.55	9.98	9.62	10.44	10.11	11.83	11.91	10.66	8.10	102.09
MAJURO, MARSHALL IS, PC	30	8.43	6.15	8.28	10.28	11.18	11.59	13.00	11.52	12.42	13.84	12.80	11.85	131.34
PAGO PAGO, AMER SAMOA, PC	30	12.59	12.76	11.26	12.04	9.92	7.38	6.28	6.71	6.69	10.79	10.84	14.54	121.80
POHNPEI, CAROLINE IS., PC	30	12.07	10.80	13.54	16.44	19.12	17.14	18.39	16.53	16.06	16.71	15.74	15.22	187.76
CHUUK, E. CAROLINE IS., PC	30	8.98	6.42	9.05	11.46	13.94	11.84	14.37	13.77	12.07	14.23	11.10	11.55	138.78
WAKE ISLAND, PC	30	1.16	1.60	2.23	2.51	1.74	2.29	4.02	6.16	5.07	4.33	2.79	1.78	35.68
YAP, W CAROLINE IS., PC	30	7.33	5.98	5.96	5.76	9.06	12.69	14.54	15.20	13.51	11.97	9.07	8.99	120.06
ALLENTOWN, PA	30	3.16	2.95	3.28	3.52	4.20	3.75	4.14	4.28	3.93	2.94	3.88	3.49	43.52
ERIE, PA.	30	2.22	2.28	3.00	3.24	3.44	4.09	3.43	4.06	4.39	3.77	4.02	3.59	41.53
MIDDLETOWN/HARRISBURG INTL APT	30	2.84	2.93	3.28	3.24	4.26	3.85	3.59	3.31	3.51	2.93	3.52	3.24	40.50
PHILADELPHIA, PA	30	3.21	2.79	3.46	3.62	3.75	3.74	4.28	3.80	3.42	2.62	3.34	3.38	41.41
PITTSBURGH, PA	30	2.54	2.39	3.41	3.15	3.59	3.71	3.75	3.21	2.97	2.36	2.85	2.92	36.85
AVOCA, PA	30	2.10	2.15	2.55	2.97	3.65	3.98	3.79	3.32	3.31	2.79	3.06	2.51	36.18
WILLIAMSPORT, PA	30	2.54	2.76	3.19	3.23	3.86	4.32	3.98	3.39	3.39	3.30	3.73	3.03	40.72
PROVIDENCE, RI	30	3.88	3.61	4.05	4.11	3.76	3.33	3.18	3.63	3.48	3.69	4.43	4.38	45.53
CHARLESTON AP,SC	30	3.45	3.30	4.34	2.67	4.01	6.43	6.84	7.22	4.73	2.90	2.49	3.15	51.53
CHARLESTON C.O.,SC	30	3.36	3.06	4.30	2.44	3.53	5.83	6.05	7.31	4.67	2.78	2.29	2.90	48.52
COLUMBIA, SC	30	4.42	4.12	4.82	3.28	3.68	4.80	5.50	6.09	3.67	3.04	2.90	3.59	49.91
GREENVILLE-SPARTANBURG AP, SC	30	4.10	4.41	5.39	3.86	4.42	4.77	4.63	3.95	3.96	3.99	3.65	4.14	51.27
ABERDEEN, SD	30	0.37	0.47	1.34	1.95	2.41	3.15	2.75	2.13	1.86	1.12	0.59	0.41	18.55
HURON, SD	30	0.41	0.68	1.66	2.09	2.87	3.35	2.67	1.97	1.72	1.47	0.72	0.47	20.08
RAPID CITY, SD	30	0.39	0.52	1.03	1.89	2.68	3.06	2.04	1.67	1.23	1.10	0.56	0.47	16.64
SIOUX FALLS, SD	30	0.51	0.64	1.64	2.52	3.03	3.40	2.68	2.85	3.02	1.78	1.09	0.70	23.86
BRISTOL-JHNSN CTY-KNGSPRT,TN	30	3.23	3.44	3.70	3.30	3.84	3.54	4.32	3.17	3.26	2.59	2.94	3.39	40.72
CHATTANOOGA, TN	30	4.89	4.81	6.03	4.31	4.37	3.52	4.85	3.53	4.15	3.22	4.61	5.17	53.46
KNOXVILLE, TN	30	4.17	4.06	5.09	3.72	4.13	3.97	4.67	3.13	3.07	2.84	3.75	4.54	47.14
MEMPHIS, TN	30	3.73	4.35	5.41	5.46	4.98	3.57	3.79	3.43	3.53	3.01	5.10	5.74	52.10
NASHVILLE, TN	30	3.58	3.81	4.85	4.37	4.88	3.57	3.97	3.46	3.46	2.62	4.12	4.61	47.30
OAK RIDGE,TN	30	4.57	4.34	5.68	4.08	4.68	4.34	5.45	3.70	3.86	3.18	4.59	5.30	53.77
ABILENE, TX	30	1.03	1.16	1.36	1.90	2.97	2.86	2.09	2.80	3.21	2.51	1.48	1.03	24.40
AMARILLO, TX	30	0.50	0.61	0.96	0.99	2.48	3.70	2.62	3.22	1.99	1.37	0.69	0.43	19.56
AUSTIN, TX	30	1.71	2.17	1.87	2.56	4.78	3.72	2.04	2.05	3.30	3.43	2.37	1.88	31.88
BROWNSVILLE, TX	30	1.56	1.06	0.53	1.56	2.94	2.73	1.90	2.77	6.00	2.80	1.51	1.25	26.61
CORPUS CHRISTI, TX	30	1.71	1.96	0.94	1.72	3.33	3.38	2.39	3.31	5.52	3.02	1.59	1.26	30.13
DALLAS-FORT WORTH, TX	30	1.83	2.18	2.77	3.50	4.88	2.98	2.31	2.21	3.39	3.52	2.29	1.84	33.70
DEL RIO, TX	30	0.56	0.95	0.69	1.98	2.03	2.11	1.85	1.47	2.83	2.24	0.92	0.61	18.24
EL PASO, TX	30	0.40	0.41	0.29	0.20	0.25	0.67	1.54	1.58	1.70	0.76	0.44	0.57	8.81
HOUSTON, TX	30	3.29	2.96	2.92	3.21	5.24	4.96	3.60	3.49	4.89	4.27	3.79	3.45	46.07
LUBBOCK, TX	30	0.39	0.68	0.89	0.97	2.35	2.75	2.37	2.51	2.60	1.86	0.75	0.53	18.65
MIDLAND-ODESSA, TX	30	0.40	0.62	0.58	0.83	1.98	1.55	1.70	1.69	2.62	1.74	0.69	0.56	14.96
PORT ARTHUR, TX	30	4.77	3.38	3.24	3.51	5.71	5.59	5.38	5.34	6.31	4.29	4.85	4.81	57.18

SAN ANGELO, TX	30	0.80	1.07	0.91	1.67	3.00	2.33	1.06	1.93	3.41	2.40	1.08	0.79	20.45
SAN ANTONIO, TX	30	1.71	1.81	1.52	2.50	4.22	3.81	2.16	2.54	3.41	3.17	2.62	1.51	30.98
VICTORIA, TX	30	2.16	2.00	1.55	2.41	4.50	4.89	3.34	3.01	5.60	3.46	2.45	2.04	37.41
WACO, TX	30	1.65	2.09	2.33	3.19	4.58	3.28	1.99	1.68	3.52	3.36	2.43	1.86	31.96
WICHITA FALLS, TX	30	1.04	1.46	2.21	3.01	4.07	3.52	1.72	2.48	3.82	2.74	1.54	1.29	28.90
SALT LAKE CITY, UT	30	1.11	1.23	1.91	2.12	1.80	0.93	0.81	0.86	1.28	1.44	1.29	1.40	16.18
BURLINGTON, VT	30	1.82	1.63	2.23	2.76	3.12	3.47	3.65	4.06	3.30	2.88	3.13	2.42	34.47
LYNCHBURG, VA	30	2.86	3.04	3.47	3.09	3.91	3.45	4.16	3.59	3.24	3.70	3.14	3.23	40.88
NORFOLK, VA	30	3.78	3.47	3.70	3.06	3.81	3.82	5.06	4.81	3.90	3.15	2.85	3.23	44.64
RICHMOND, VA	30	3.24	3.16	3.61	2.96	3.84	3.62	5.03	4.40	3.34	3.53	3.17	3.26	43.16
ROANOKE, VA	30	2.62	3.04	3.48	3.25	3.98	3.19	3.91	4.15	3.50	3.85	3.19	2.97	41.13
WALLOPS ISLAND, VA	30	3.38	3.34	3.67	2.67	3.60	3.34	3.94	3.73	3.28	2.83	2.81	3.34	39.93
OLYMPIA, WA	30	8.01	5.77	4.95	3.29	2.09	1.63	0.82	1.29	2.26	4.31	8.05	8.12	50.59
QUILLAYUTE, WA	30	14.37	12.59	11.48	7.51	5.40	3.12	2.57	2.54	4.88	10.52	14.74	15.46	105.18
SEATTLE C.O., WA	30	5.35	4.03	3.77	2.51	1.84	1.59	0.85	1.22	1.94	3.25	5.65	6.00	38.00
SEATTLE SEA-TAC AP, WA	30	5.38	3.99	3.54	2.33	1.70	1.50	0.76	1.14	1.88	3.23	5.83	5.91	37.19
SPOKANE, WA	30	1.98	1.49	1.49	1.18	1.41	1.26	0.67	0.72	0.73	0.99	2.15	2.42	16.49
YAKIMA, WA	30	1.21	0.74	0.67	0.50	0.45	0.53	0.16	0.40	0.40	0.47	1.03	1.41	7.97
SAN JUAN, PR	30	2.81	2.15	2.35	3.76	5.93	4.00	4.37	5.32	5.28	5.71	5.94	4.72	52.34
BECKLEY, WV	30	2.92	2.94	3.40	3.43	3.98	3.84	4.70	3.38	3.33	2.89	2.99	3.23	41.03
CHARLESTON, WV	30	2.91	3.04	3.63	3.31	3.94	3.59	4.99	4.01	3.24	2.89	3.59	3.39	42.53
ELKINS, WV	30	3.08	3.00	3.83	3.82	4.12	4.46	4.53	4.35	3.76	3.08	3.33	3.48	44.84
HUNTINGTON, WV	30	2.83	2.90	3.68	3.43	4.24	3.51	4.65	3.83	2.93	2.83	3.30	3.36	41.49
GREEN BAY, WI	30	1.15	1.03	2.05	2.40	2.82	3.39	3.10	3.50	3.47	2.23	2.16	1.53	28.83
LA CROSSE, WI	30	0.93	0.90	1.98	2.88	3.26	3.90	3.79	3.92	3.79	2.20	1.73	1.27	30.55
MADISON, WI	30	1.07	1.08	2.17	2.86	3.14	3.66	3.39	4.04	3.37	2.17	2.09	1.84	30.88
MILWAUKEE, WI	30	1.60	1.45	2.67	3.50	2.84	3.24	3.47	3.53	3.38	2.41	2.51	2.33	32.93
CASPER, WY	30	0.55	0.60	0.95	1.56	2.13	1.46	1.26	0.67	0.94	0.97	0.77	0.66	12.52
CHEYENNE, WY	30	0.40	0.39	1.03	1.37	2.39	2.08	2.09	1.69	1.27	0.74	0.53	0.42	14.40
LANDER, WY	30	0.48	0.57	1.15	2.08	2.32	1.46	0.81	0.53	1.10	1.13	0.80	0.58	13.01
SHERIDAN, WY	30	0.73	0.64	0.97	1.72	2.39	2.25	0.88	0.82	1.37	1.18	0.83	0.70	14.48

Top of Page

http://www.ncdc.noaa.gov/ol/climate/online/ccd/nrmlprcp.html
Created by Tom Ross
Last updated 15 Aug 97 by webmaster@ncdc.noaa.gov
Please see the NCDC Contact Page if you have questions or comments.

Field Log for Preliminary Assessment Reconnaissance of the Hardesty Federal Complex

Date, Time:	November 28, 2001, 8:55 AM
Weather:	30° Fahrenheit, overcast
Project:	601-607 Hardesty Preliminary Assessment 50017083
Terracon Reps:	Tracie Ragland, Environmental Scientist (TR), Mike McMenus, Project Manager (MM)
Site Contact:	Mr. Creek Creek, Maintenance Engineer (CC)
Firm:	Government Services Agency (GSA)

TERRACON

General Site Observations and Notes:

MM and TR arrived at the site at 8:55 AM on November 28, 2001. MM and TR checked in with the guard at the gate and parked on site. MM and TR met CC, who has been associated with the site for 10 years, at 9:10 AM and began their tour of the property. Seven structures are present on the site (Buildings 3/3A, 6, 7, 9, 10, 11, and 13). The site is irregularly shaped and asphalt paved, with the exception of a small landscaped/grass-covered area between Buildings 6 and 9. Small depressions were observed in this grassy area. A small gravel-covered area was observed north of Building 10. CC stated that this was the location of former gasoline underground storage tanks (USTs) which were removed from the site. Several groundwater monitoring wells were observed at the site associated with former USTs. A seven-foot chain-link fence surrounds the perimeter of the site. The fencing appears to be in good condition, and there is a locked entrance gate across the access driveway to the facility from Hardesty Avenue. A secondary entrance to the site from Independence Avenue is also gated and locked. The Hardesty Federal Complex property is located on relatively flat terrain that slopes gently toward the southeast property boundary. According to CC, the site is approximately 18 acres in size.

According to CC, steam heat is used for heating the buildings on site, and the buildings use chilled-water split-system condensers. All elevators in the structures at the site are electric and have sumps to remove water. CC stated that asbestos-containing materials have been abated in all of the buildings; however, some asbestos remains in thermal system insulation which is labeled in some mechanical rooms. According to CC, only one or two workers are on site for routine maintenance. CC stated that there is no fire water reservoir on site, and that the site depends on city water. CC was not aware of any chemical storage in the interior of any of the buildings or on the exterior surfaces of the site. There are no hazardous wastes/materials currently stored at the site.

CC, stated that he has seen what he believes to be Peregrine Falcons perched on the top of the 12-story building located on the northwest adjoining property. Mr. Creek stated that the falcons feed on the pigeons that fly in and around the Hardesty Federal Complex buildings; however, he stated that he has never seen the falcons roosting on, or perched on, the buildings at the Hardesty Federal Complex. The presence of Peregrine Falcons on the northwest adjoining property was not confirmed during this PA.

No wetland areas or surface waters were observed on the site or on the adjoining properties.

Building 11:

According to CC, Allied Signal used this building for storage and auctions of electric motors, parts, and tools. CC stated that no manufacturing occurred in this building. According to CC, CASU also stored furniture and tools in this building. CC stated that the Marine Corps used the basement as storage and

that caskets had been stored in the building during World War II. Defense Mapping had used the first floor for film processing.

Although not tested during this PA, the building's exterior walls appeared to include asbestos board panel construction over the window openings. These panels appeared to be in good condition with no obvious indications of damage or a release. This building was observed to be vacant. A maintenance room was observed on the second floor. One and five-gallon containers of maintenance chemicals such as paint, solvents, coil cleaner, and scale remover were observed stored neatly in a "flame cabinet." Indications of leaks or spills were not observed associated with these chemicals. A heating, ventilation, and air conditioning (HVAC) room was observed on the second floor. Seven 15-gallon drums of R113 Chiller Chemical were observed in this room. Labels indicating "Danger Contains Asbestos Fibers" were observed on the thermal system insulation pipe wrap in the HVAC room.

Building 10:
According to CC, Building 10 was formerly used to stage furniture. A former cafeteria was also located in this building. CC stated that the floor drains observed in the basement discharge to a combined municipal sewer system.

Although not tested during this PA, the building's exterior walls appeared to include asbestos board panel construction over the window openings. These panels appeared to be in good condition with no obvious indications of damage or a release. This building was observed to be vacant. A basement tunnel connected this building with Building 11. An electrical vault with three transformers was observed in the basement tunnel. Two of the transformers were identified as non-PCB (polychlorinated biphenyl) and the third transformer was identified as containing PCBs between 50 to 500 parts per million (ppm). Indications of leaks or stains associated with these transformers were not observed.

Building 9:
According to CC, the National Weather Service Training Center previously had classrooms and radar rooms in this building. The National Oceanic and Atmospheric Administration (NOAA) also used the building for storage. The Federal Emergency Management Agency (FEMA) previously occupied the building for approximately three years. CASU also used the building for storage of office supplies and furniture.

Although not tested during this PA, the building's exterior walls appeared to include asbestos board panel construction over the window openings. These panels appeared to be in good condition with no obvious indications of damage or a release. This building was observed to be vacant. 55-gallon drums of freon and HVAC cooler chemicals were observed in the HVAC room. A former firing range was observed in the basement. Sand was observed in the bullet stop of the firing range. What appeared to be spent shell casings were observed in the sand.

Building 7:
According to CC, the U.S. Army Corps used this building for storage of furniture, computers, and flags. This building was also a plumbing shop.

This building was observed to be vacant. Indications of hazardous materials and/or wastes were not observed in this structure.

Building 13:
This building is the site power substation. CC did not have keys to this building and access could not be obtained.

Building 3 and 3A:
According to CC, Building 3 houses the on-site boilers and welding shop. Building 3 contained the boilers used to heat the structures located on the subject site via steam supplied through tunnels. The boilers located on the first floor were previously powered with fuel oil, but are currently powered with natural gas. The boilers in the basement were previously powered with coal, but are currently unused. What appeared to be oil staining was observed on the floor of the pump room in the basement. Boilers, both used and unused, were observed in the building. What appeared to be ash was observed in the ash clean-room beneath the smokestack in the basement. The smokestack does not appear to have been used for several years.

According to CC, Building 3A was used as a train shed where coal was brought to the site to be used in the boilers. Railroad spurs were observed leading to this structure. This structure was observed to be used for minor miscellaneous storage. Indications of hazardous materials and/or wastes were not observed in this structure.

Building 6:
According to CC, the FAA occupied this building and used it for assembling electronic equipment.

Although not tested during this PA, the building's exterior walls appeared to include corrugated asbestos panel construction. These panels appeared to be in good condition with no obvious indications of damage or a release. This building was observed to be used for storage. The FAA was in the process of moving all equipment out of the structure during the time of the site visit. A paint booth and machine shop were observed on the second floor. Storage of wiring was observed on the exterior grounds of this building.

Surrounding Area:
The nearest residential area is approximately 100 feet west of the subject site, across Hardesty Avenue. The nearest school is located approximately 0.25 mile west of the site, and the nearest daycare facility is located approximately 210 feet northwest of the subject site, across Hardesty Avenue. An abandoned commercial property is located east-adjacent to the site. A commercial structure is located on the northwest-adjoining property. According to CC, this northwest-adjoining structure was one of the original buildings present at the site when the federal government purchased the site in the 1940's. However, CC stated that this structure is not currently considered part of the Hardesty Federal Complex. Other commercial properties are located approximately 100 feet north of the site, across Independence Avenue. Railroad tracks are located on the southeastern border of the site, with a vacant grass-covered field, parking area, church (Sheffield), and commercial property (Percy Kent Bag Company) approximately 150 feet southeast from the site, across the railroad tracks.

PROJECT NO. 50017083 TERRACON

PHOTO # 1
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: south
DESCRIPTION: The rear of Building 3A, with what appears to be a vent pipe possibly associated with USTs at the site.

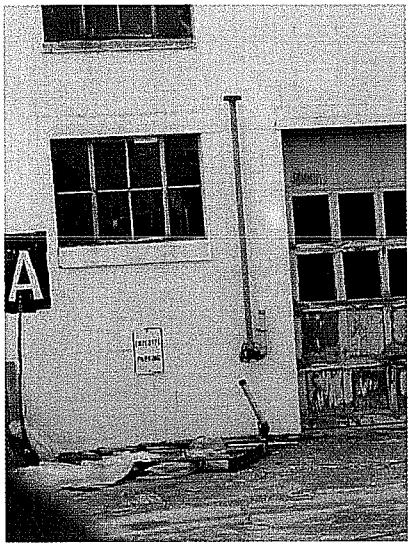


PHOTO # 2
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: south
DESCRIPTION: The rear of Building 3A, with what appears to be a fill port possibly associated with USTs at the site.

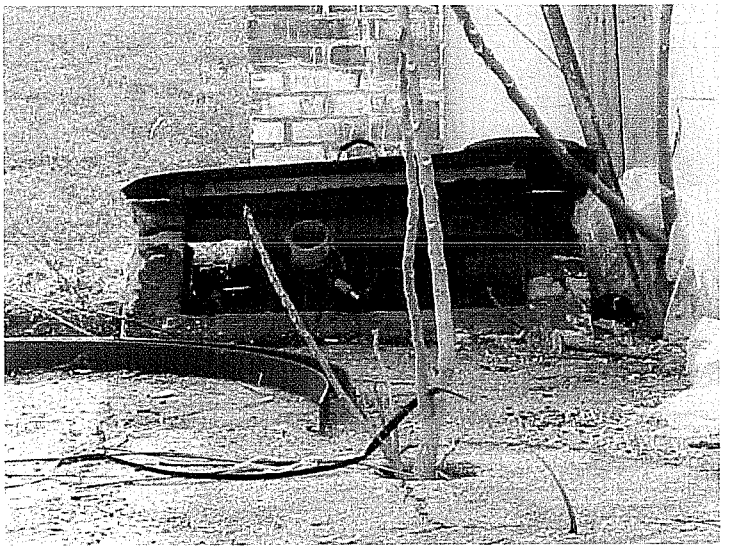


PHOTO # 3
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: west
DESCRIPTION: A smoke stack associated with Building 3. Building 6 is evident in the foreground to the right, and the northwestern adjoining property structure is evident in the background behind the smoke stack.

PHOTO # 4
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: northeast
DESCRIPTION: Building 6 and a view of the perimeter fencing around the site.

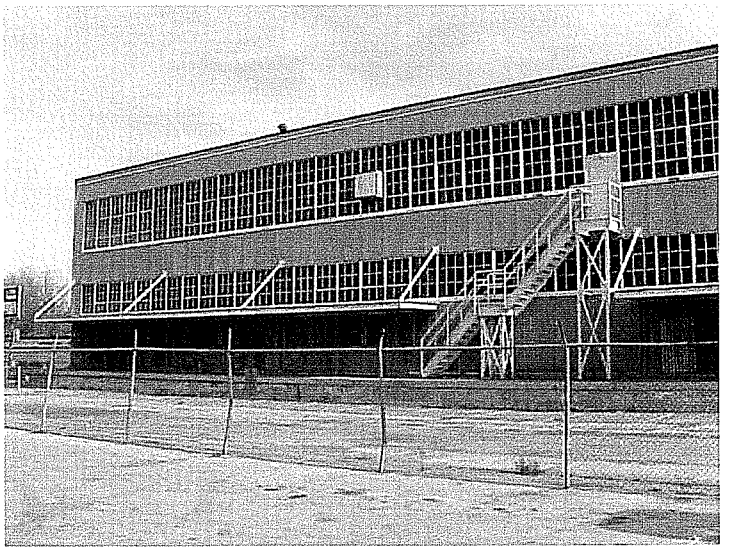


PHOTO # 5
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: east
DESCRIPTION: A view of Building 7 in the background with a view of the perimeter fencing around the site in the foreground.

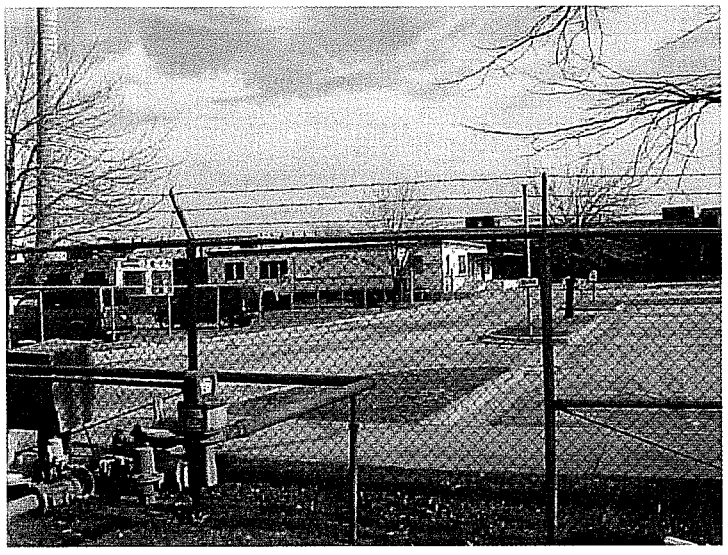


PHOTO # 6
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING:northwest
DESCRIPTION: A view of Building 9, with a view of the railroad tracks, grass-covered field, and parking area on the southeast-adjoining property in the foreground.

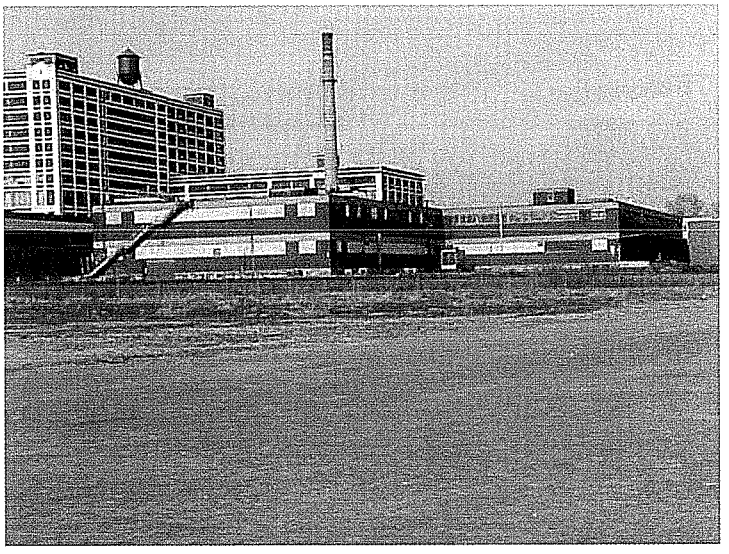


PHOTO # 7
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: northwest
DESCRIPTION: A view of Building 10, with a view of the railroad tracks, grass-covered field, and parking area on the southeast-adjoining property in the foreground.

PHOTO # 8
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: northwest
DESCRIPTION: A view of Building 11, with a view of the railroad tracks, grass-covered field, and parking area on the southeast-adjoining property in the foreground.

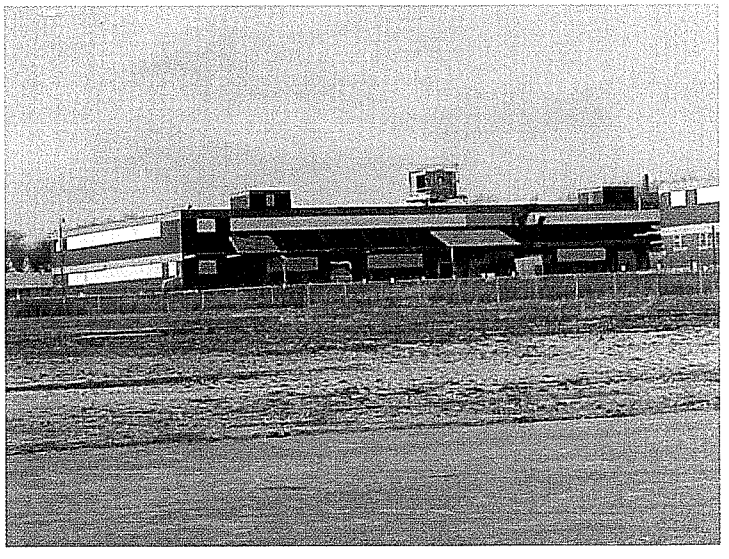


PHOTO # 9
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: southeast
DESCRIPTION: A view of Building 6 to the far left, Building 13 next to Building 6, and Building 9 to the right.

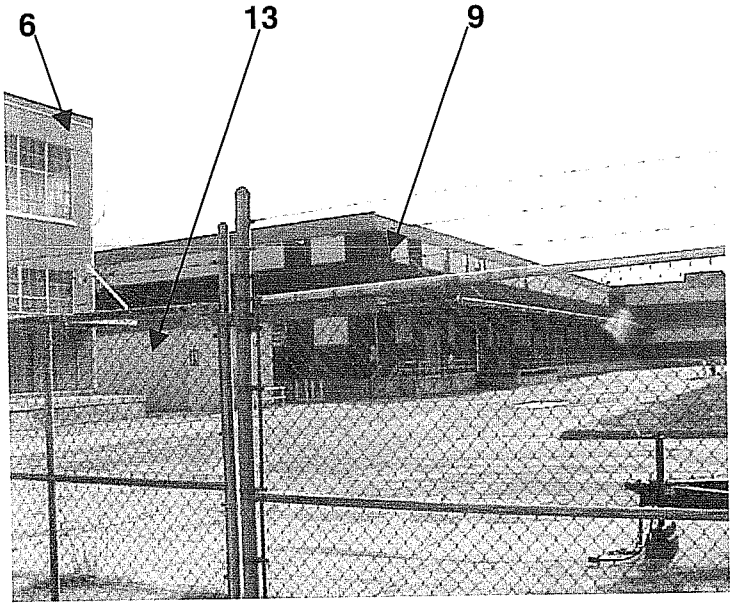


PHOTO # 10
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: east
DESCRIPTION: Open storage lot on the eastern portion of the site.

PHOTO # 11
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: west
DESCRIPTION: Area of previous UST removal activities on the site. Building 11 is evident on the far left side in the background. Residential properties are evident in the background, across Hardesty Avenue.

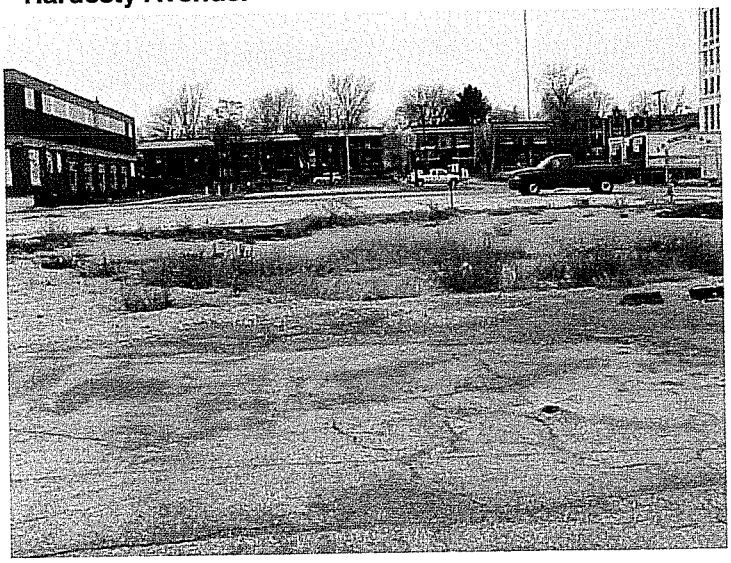


PHOTO # 12
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: west
DESCRIPTION: Grassy area on the site with Building 9 to the left and Building 6 to the right. Building 13 is evident in the background beyond the grassy area.

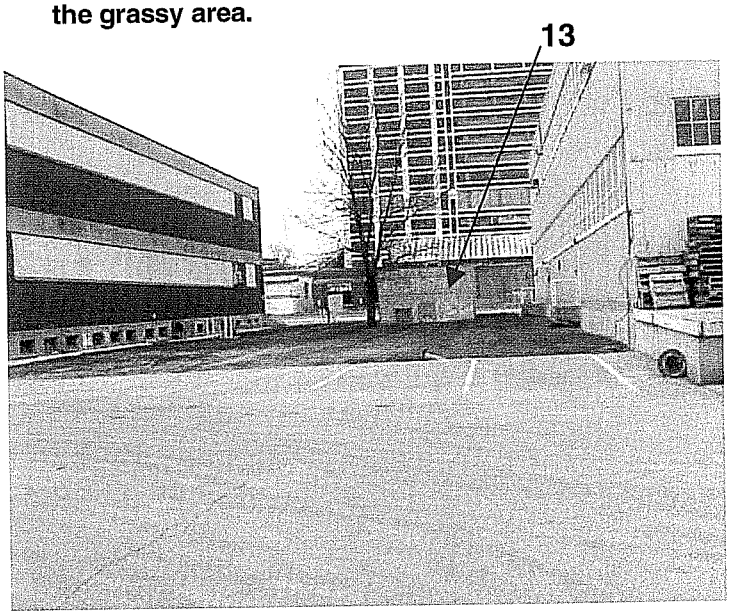


PHOTO # 13
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: east
DESCRIPTION: The grassy area between Buildings 6 and 9, with Building 6 evident to the left. A slight depression is evident in the ground in the grassy area as indicated by the arrow.

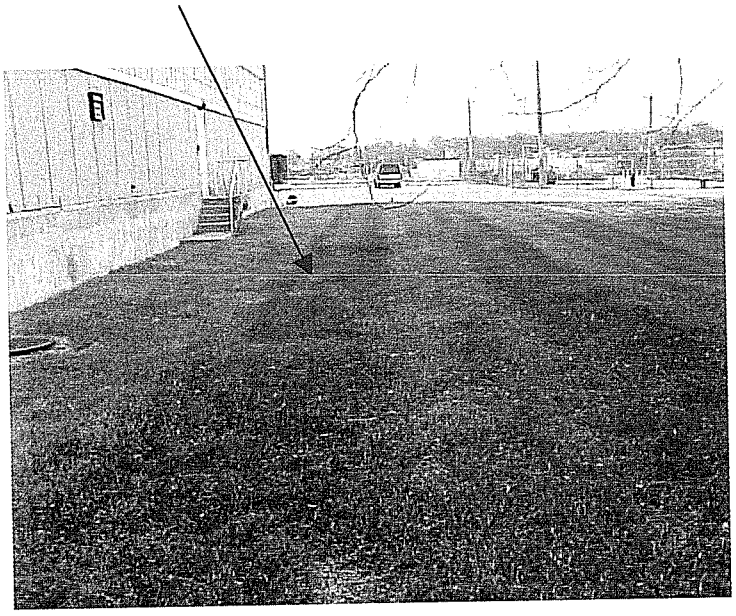


PHOTO # 14
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: east
DESCRIPTION: The grassy area between Buildings 6 and 9. A slight depression is evident in the ground in the grassy area. Building 9 is present to the right of the depression.

PHOTO # 15
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: NA
DESCRIPTION: The paint booth in Building 6.

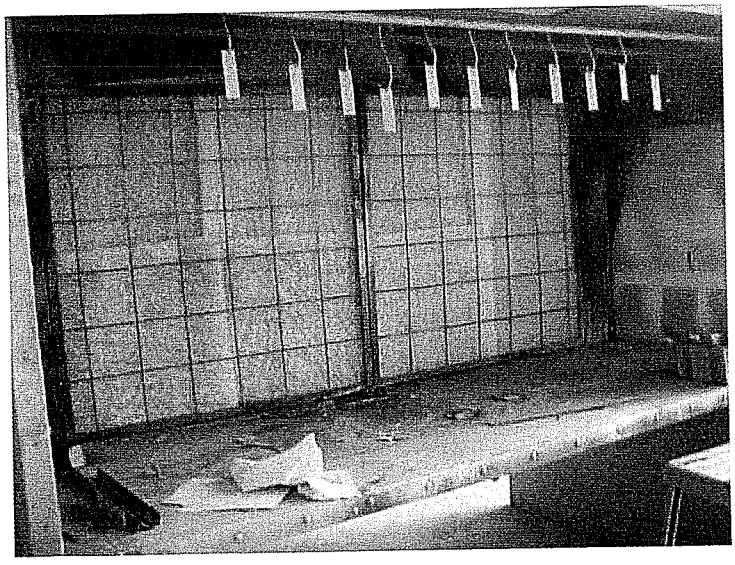


PHOTO # 16
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: NA
DESCRIPTION: The exhaust system associated with the paint booth in Building 6.

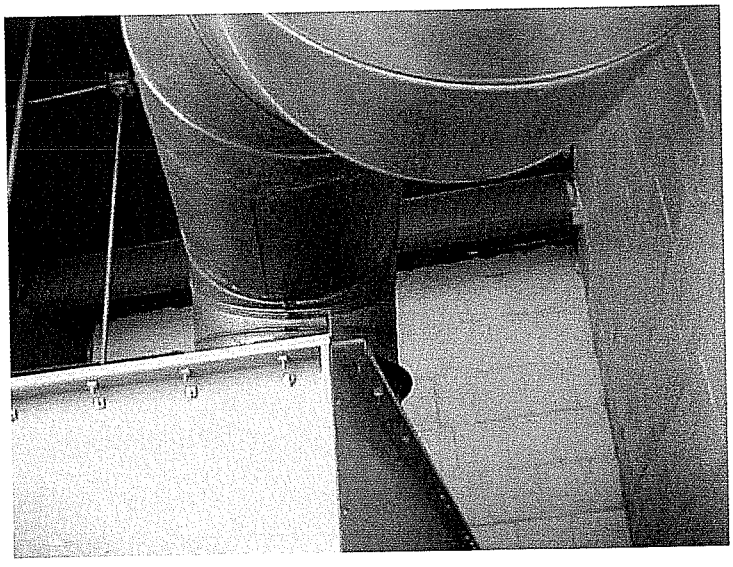


PHOTO # 17
PHOTOGRAPHER: TAR
DATE: 11/28/01
DIRECTION FACING: NA
DESCRIPTION: The exhaust system associated with the paint booth in Building 6.

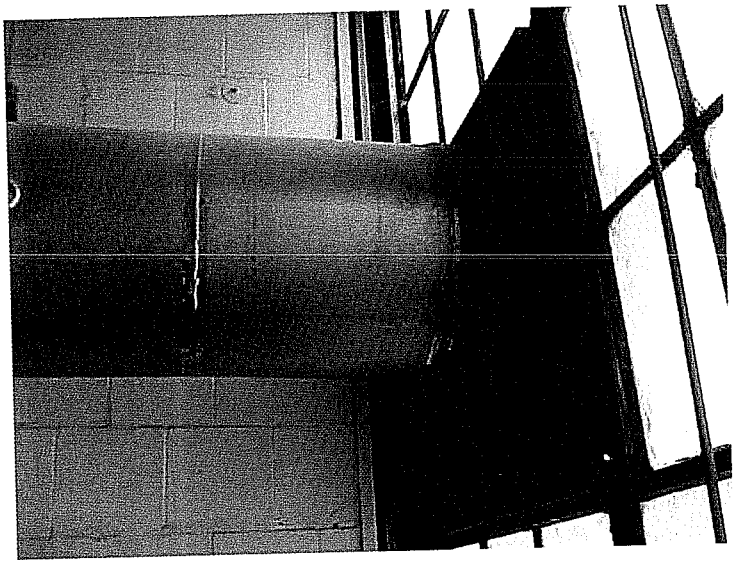


PHOTO # 18
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: southwest
DESCRIPTION: The daycare facility to the northwest of the site, across Hardesty Avenue.

PHOTO # 19
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: north
DESCRIPTION: A view of the north-adjoining property.

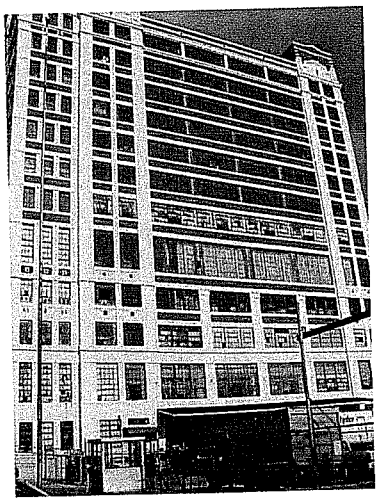


PHOTO # 20
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: northeast
DESCRIPTION: A view of the commercial properties to the north of the site.

PHOTO # 21
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: north
DESCRIPTION: A view of Independence Avenue and the commercial properties to the north of the site.

PHOTO # 22
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: southeast
DESCRIPTION: An abandoned commercial property to the southwest of the site, across Hardesty Avenue.

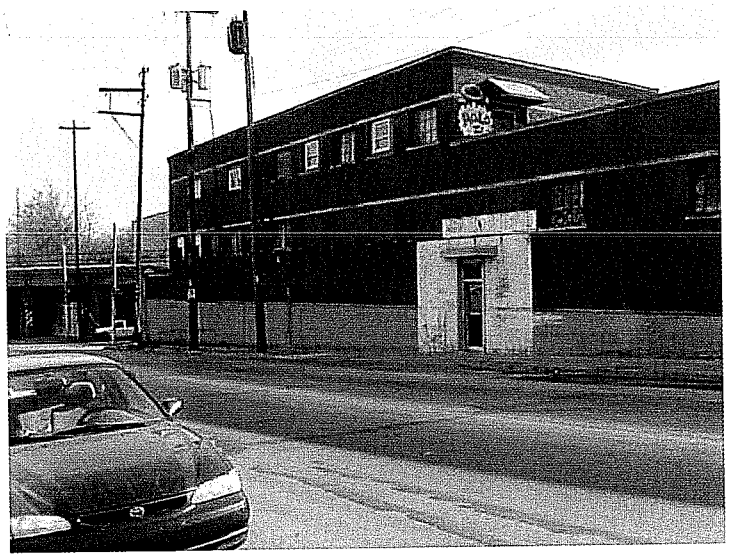
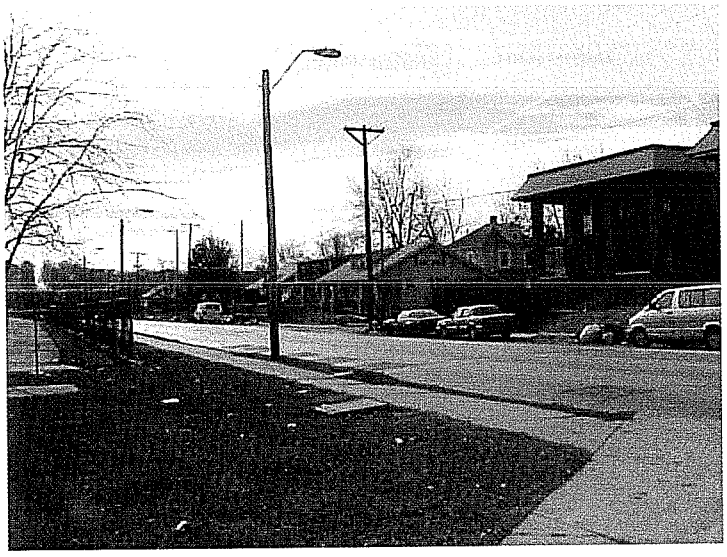


PHOTO # 23
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: east
DESCRIPTION: Sheffield Church and the parking area to the southeast of the site.

PHOTO # 24
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: east
DESCRIPTION: Percy Kent Bag Company and the parking area to the southeast of the site.

PHOTO # 25
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: east
DESCRIPTION: What appeared to be an abandoned commercial structure to the adjacent east of the site.

PHOTO # 26
PHOTOGRAPHER: TAR
DATE: 1/4/02
DIRECTION FACING: southwest
DESCRIPTION: A view of Hardesty Avenue and a residential area to the west of the site.



Data Resources, Inc.

"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Tracie A. Ragland
Terracon, Inc.
13910 W. 96th Terrace
Lenexa, KS 66215

1291249TWC 913-492-7777

Order Date: 11/28/2001 **Completion Date:** 11/29/2001
Inquiry #: 708022.2s
P.O. #: na
Site Name: PA Proposal
Address: 601 HARDESTY AVE
City/State: Kansas City, MO 64124
Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified

1909 - 1 - map
1922 - 1 - map
1940 - 1 - map
1942 - 1 - map

Total Maps: 4

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REFERENCE 7

Site: Kansas City Records
ID # MOD000703320
Break: 1.4
Other:
9-11-00

MISSOURI DEPARTMENT OF NATURAL RESOURCES

INITIAL SITE SCREENING

KANSAS CITY RECORDS CENTER
JACKSON COUNTY

B07MO0152
0703320

RECEIVED
SEP 28 2000
SUPERFUND DIVISION

September 11, 2000

126136

S00125701
SUPERFUND RECORDS

PHASE I ENVIRONMENTAL SITE ASSESSMENT

HARDESTY FEDERAL CENTER
607 HARDESTY AVENUE
KANSAS CITY, MISSOURI

Terracon Project No. 50997737
August 19, 1999

Prepared for:

UNITED STATES GENERAL SERVICES ADMINISTRATION
Kansas City, Missouri

Prepared by:

TERRACON
Lenexa, Kansas

Terracon
13910 West 96th Terrace
Lenexa, Kansas 66215
(913) 492-7777 Fax: (913) 492-7443

November 11, 1999

Berkebile Nelson Immenschuh and McDowell Architects Inc.
One Kansas City Place
1200 Main Street, Suite 1515
Kansas City, MO 64105

Attn: Dale R. Duncan

RE: GSA IDC – Contract GS06P98GY0018
Work Order 7mod PSO1
Phase II Environmental Audit for the Hardesty Complex
BNIM Project Number 99042
Terracon Project No. 50997097

Dear Mr. Duncan:

Terracon has completed Phase II environmental site assessment services for the above-referenced site in accordance with our proposal dated August 30, 1999. These services were performed in general accordance with the recommendations and summary of finding developed in the Phase I Environmental Site Assessment. The Phase II assessment includes laboratory analysis of the following potentially hazardous materials as discussed in the scope of work below. The General Services Administration has elected to proceed with independent analysis of former or present underground storage tanks as identified in the Phase I assessment. That analysis has not been included in this Phase II assessment. Per the above referenced contract and work order, Terracon collected and arranged for analysis of samples from the following areas at the Hardesty Federal Complex at 607 Hardesty, in Kansas City, Missouri. The laboratory reports are attached.

SCOPE OF WORK (as provided by Berkebile Nelson Immenschuh and McDowell Architects Inc. [BNIM] and developed by GSA)

- Basin of the film processing room on the first floor of building #11. Terracon collected a single grab surface sample (GR-11) and had it analyzed for corrosivity and silver. The sample was not corrosive and silver was not detected above the reporting limit of 1.002 mg/kg.

- Oil pump area in the basement of building #3. Terracon collected a single grab surface sample (GR-3) off of the floor and had it analyzed for polychlorinated biphenyls (PCBs). PCBs were not detected above the reporting limit of 0.1998 mg/kg.

- Ash clean-out room beneath the stack in the basement of building #3. Terracon collected a single grab sample of the ash (GR-3 Basement) and had it analyzed for TCLP metals. Results

QUANTEM® LABORATORIES
2033 Heritage Park Drive, Oklahoma City, OK 73120
Phone: (405) 755-7272 Fax: (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 0002CA319138
Date Received: 02/21/00
Received By: Jayne Day
Date Sampled: 02/17/00
Time Sampled: 0:00
Extraction Date:
Date of Report: 2/22/00

ODEQ Lab No. 7202
AIHA ID: 101352
KDHE ID: E-10315

Client: General Services Administration
1500 E. Bannister Rd.
Kansas City, MO 64131

Contact: Kevin Santee
Acct. No.: A319

Project: Hardesty Complex
Location:
Project No.:

QuanTEM ID	Client ID	Matrix	Parameter	Results	Practical Quantitation Limits	Method Detection Limit	Units	Date/Time Analyzed	Analyst	Method
001	21600-1	Fly ash	TCLP Lead	1.01		0.1	mg/l	02/22/00 0:00	P. Marshala	EPA 1311/7420
002	21600-2	Fly ash	TCLP Lead	0.181		0.1	mg/l	02/22/00 0:00	P. Marshala	EPA 1311/7420
003	21600-3	Fly ash	TCLP Lead	0.397		0.1	mg/l	02/22/00 0:00	P. Marshala	EPA 1311/7420

BMDL = Below Method Detection Limits
BPQL = Below Practical Quantitation Limits

Authorized Signature: Ray Powles

Tuesday, February 22, 2000

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission.

REFERENCE 10

REFERENCE 11

600.911 Clothing Renovating

COMPLETION REPORT

COVERING

CONSTRUCTION AND COMPLETION

OF

CLOTHING RENOVATING PLANT

AT

KANSAS CITY QUARTERMASTER DEPOT

FOR

CHEMICAL WARFARE SERVICE

PROJECT P-7-7047-41-2

BY

WAR DEPARTMENT

OFFICE OF THE QUARTERMASTER GENERAL

CONSTRUCTION DIVISION

ZONE VII

UNITED STATES ARMY

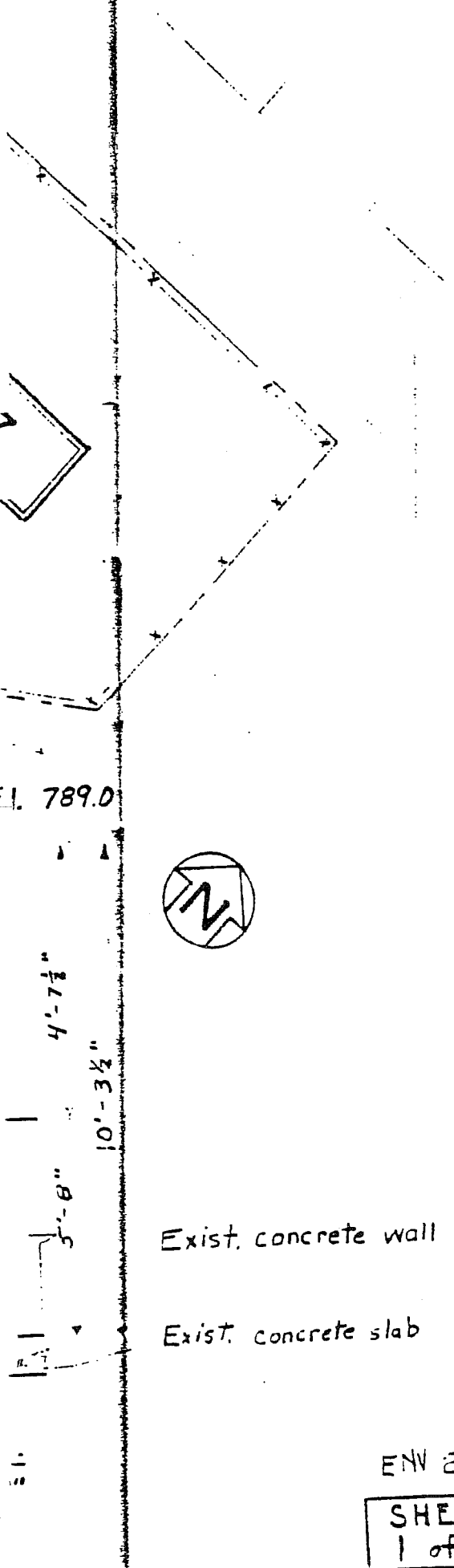
OFFICE OF THE CONSTRUCTING QUARTERMASTER

KANSAS CITY AND VICINITY

STATION NO. 7047

1941

REFERENCE 12



LEGEND

—WD—	Water, domestic
—WF—	Water, fire protection
— — —	Low pressure steam
—···—	Low pressure return
———	Hot water
—··—	Hot water return
▬▬▬	Sewer, sanitary
▬▬▬	Sewer, storm
—·—·—	Electrical as called out
▭	Bldg. or structure to be removed.

NO	REVISION	DATE
C	[illegible]	5/83
B	Readvetisement (Note 7)	2-80
A	General Revisions	12-79

GENERAL SERVICES ADMINISTRATION
PUBLIC BUILDINGS SERVICE
CONSTRUCTION MANAGEMENT DIVISION
REGION 6 — KANSAS CITY, MO.

BUILDING	NAME	FEDERAL CENTER			
	ADDRESS	STREET 601 HARDESTY			
		CITY KANSAS CITY	STATE MO.		
	NUMBER	MO0501AE			
PROJECT	DESCRIPTION	SITE IMPROVEMENTS & HANDICAPPED FACILITIES			
	NUMBER	RMO 84090			
DRAWING	DRAWN BY	HMB	CKD BY	RE	DATE [illegible]
	TITLE	DEMOLITION PLAN			
	TYPE	ARCHITECTURAL			
	NUMBER	20	2	1C	
		TYPE	SERIES	SEQUENCE	
	A — E	CONTRACT	GS — 06B —		
	CONSTRUCTION	NUMBER	[illegible] 84090		

ENV 219

SHEET 1 of 6

HARDESTY - TLT copy

MO 0500AE FR 55

REFERENCE 13

Terracon

Interview Record

Date, Time:	December 5, 2001, 2:00 PM
Project:	601-607 Hardesty Preliminary Assessment 50017083
Terracon Rep:	Tracie Ragland, Environmental Scientist (TR)
Interviewees:	Art Gendreau, Assistant Director (AG), Tom Thomas, Maintenance Supervisor (TT)
Firm:	Government Services Agency (GSA)
Phone #:	AG = (816) 926-7323, TT = (816) 823-2285

NOTES:

TR interviewed AG and TT at the GSA office on Bannister Road for historical information regarding the Hardesty Federal Complex. The following information was obtained during the interview:

The site was previously vacant land prior to construction of the buildings in the 1940s. Aboveground storage tanks (ASTs) containing chemicals to make uniforms resistant to mustard gas may have been present on site between Buildings 6 and 9. These ASTs may have been located on site during World War II in sub-grade tank basins. These basins may have been filled with sand sometime after World War II.

Only 10 employees work at the site (until December 7, 2001, when the Federal Aviation Administration (FAA) vacates Building 6). Otherwise, the site has been generally unoccupied for the last 3 to 4 years.

The site has also been used for storage and warehousing by the Army Mapping Department, National Weather Service, FAA, U.S. Marines, Department of Energy (DOE), Federal Emergency Management Agency (FEMA), U.S. Army Corps of Engineers (USACE), and the U.S. Postal Service. No manufacturing occurred at the site.

The exterior of some of the buildings on site consist of asbestos panels.

Electrical power is provided by Kansas City Power and Light (KCP&L). Municipal waste services are provided by the City of Kansas City. Natural gas is provided by Missouri Gas Energy (MGE). Floor drains, sumps, and storm sewer inlets discharge to the city sewer.

Oil staining is present on the floor in the basement of the boiler house. The source of the oil staining is from former fuel oil usage associated with the boilers.

Gasoline and fuel oil underground storage tanks (USTs) were removed from the site. Petroleum-hydrocarbon contamination was detected in the soil and groundwater from these USTs. A corrective action plan is being prepared to address clean-up solutions for the soil and groundwater contamination from the former gasoline and fuel oil USTs. This plan if still awaiting approval from the state before implementation.

No other testing/sampling has occurred at the site, with the exception of Terracon's sampling and testing of the silver tanks/basins in the film processing room in Building 11 and the ash in the smokestack clean-out room in Building 3.

Neither AG nor TT were aware of any spills of hazardous materials at the site.

Please print in ink or type with ELITE type (12 characters per inch) in the unshaded areas only)

Please refer to the instructions for filling Notification before completing this form. The information requested here is required by law Section 3010 of the Resource Conservation and Recovery Act.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(573) 751-3176

NOTE: Return completed forms to the address above.

REFERENCE 14

MAR 2 7 1998

HAZARDOUS WASTE PROGRAM
MISSOURI DEPARTMENT OF NATURAL RESOURCES

Ø1Ø2Ø4

NOTIFICATION OF REGULATED WASTE ACTIVITY

I. Type of Notification

[X] A. New Notification
- [ ] Permanent
- [X] Temporary (Available for MO facilities only)
- Effective Date of Temporary ID

[ ] B. Subsequent Notification

(IF SUBSEQUENT OR OUT-OF-STATE ENTER EPA ID NUMBER)

MO221ØØ9ØØ62

II. Name of Installation (Company or Specific Site Name)

FEDERAL AVIATION ADMINISTRATION

III. Location of Installation (Physical Address not P.O. Box or Route Number)

Street: 633 HARDESTY AVE., BLDG. #6

City or Town: KANSAS CITY | State: MO | ZIP Code: 64124

County Code: | County Name: JACKSON

IV. Installation Mailing Address (All correspondence will be sent to this address)

Street or P.O. Box: SAME

City or Town: | State: | ZIP Code:

V. Installation Contact (Person to be contacted regarding waste activities at the site)

Name (last): LOPEZ | (first): PAUL

Job Title: LOGISTICS SPEC. | Phone Number (area code and number): 816-241-8393 | Extension:

VI. Ownership

A. Name of Installation's Legal Owner (Business Owner): FEDERAL AVIATION ADMINISTRATION

Street, P.O. Box, or Route Number: 601 E. 12TH STREET

City or Town: KANSAS CITY | State: MO | ZIP Code: 64106

Phone Number: 816-426-5626 | Extension: | B. Change of Installation Owner Indicator: [ ] Yes [X] No Date of Change

C. Installation owner type (circle one)

(F - Federal) S - State C - County D - District M - Municipal I - Native American P - Private H - Hospital O - Other

D. Name of Property's Legal Owner: SAME AS VI. A.

Street, P.O. Box, or Route Number:

City or Town: | State: | ZIP Code:

Phone Number: | Extension: | E. Change of Property Owner Indicator: [ ] Yes [X] No Date of Change

F. Property owner type (circle one)

(F - Federal) S - State C - County D - District M - Municipal I - Native American P - Private H - Hospital O - Other

STATE OF MISSOURI
Bob Holden, Governor • Stephen M. Mahfood, Director
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Kansas City Regional Office
500 NE Colbern Road
Lee's Summit, MO 64086-4710
(816) 622-7000
FAX (816) 622-7044

RECEIVED
MAR 20 2001
HAZARDOUS WASTE PROGRAM
MISSOURI DEPARTMENT OF
NATURAL RESOURCES

March 16, 2001

CERTIFIED MAIL #7000 0520 0024 0562 7507
RETURN RECEIPT REQUESTED

Mr. Jerry Groom, Electronic Technician
Federal Aviation Administration Staging
633 Hardesty, Building #6
Kansas City, MO 64015

RE: Notice of Violation #4974

Dear Mr. Groom:

Enclosed is a copy of the March 2, 2001, Resource Conservation and Recovery Act compliance evaluation inspection report for Federal Aviation Administration Staging located in Kansas City in Jackson County, Missouri.

Notice of Violation #4974 was issued at the time of inspection for the unsatisfactory feature noted in the enclosed inspection report. The report is believed to be self-explanatory and is based on the March 2, 2001, inspection.

Within 15 days from the receipt of the Notice of Violation, Federal Aviation Administration Staging must submit a written description of all actions taken and/or a schedule for completion of all necessary actions to correct the violations (#4974) along with supporting documentation to our office at the letterhead address. A copy of your response must also be submitted to Ms. Kathy Flippin, Chief, Hazardous Waste Enforcement Unit, P.O. Box 176, Jefferson City, Missouri 65102.

Should you have any questions, please contact Mr. Michael R. Miller of my staff at (816) 622-7000.

Sincerely,

KANSAS CITY REGIONAL OFFICE

James R. Macy
Regional Director

JRM/mmj

Enclosure

c: Ms. Kathy Flippin, Hazardous Waste Program

Jackson County
Federal Aviation Administration Staging

L:\Mrm\HWINS\FAA.doc

Recycled Paper

REFERENCE 16

U.S. Department
of Transportation

Federal Aviation
Administration

Central Region
Iowa, Kansas
Missouri, Nebraska

901 Locust Street, Suite 200
Kansas City, Missouri 64106-2461

APR 1? 2001

RECEIVED

APR 23 2001

HAZARDOUS WASTE PROGRAM
MISSOURI DEPARTMENT OF
NATURAL RESOURCES

SPECIAL DELIVERY--CERTIFIED

Mr. James R. Macy
Regional Director
Missouri Department of Natural Resources
Division of Environmental Quality
Kansas City Regional Office
500 NE Colbern Road
Lee's Summit, MO 64086-4710

Dear Mr. Macy:

Response to Notice of Violation # 4974
FAA Staging Area, 633 Hardesty, # 6, Kansas City, MO 64015
EPA ID: MO2210090062 MO Generator ID: 010204

On March 2, 2001, the Missouri Department of Natural Resources (MDNR) conducted an un-announced inspection at the FAA Staging Area facility located at 633 Hardesty, Building # 6, Kansas City, Missouri 64124. The inspection was a compliance evaluation inspection (CEI) that was conducted pursuant to the authority provided under the Resource Conservation and Recovery Act (RCRA) of 1976. During the inspection, FAA was issued a Notice of Violation (NOV) for:

- Failure to update hazardous waste registration and,
- Failure to determine whether spent paint waste filters are hazardous.

This letter constitutes the FAA's response to the aforementioned NOV. The NOV required the FAA to provide a written response within 15 days describing either the actions taken or a schedule for completion of all necessary actions to correct the violations. FAA provided MDNR with the initial response within the date specified in the NOV.

The citation regarding the facility's status as a generator was subsequently withdrawn by MDNR after the inspector rechecked the computer database subsequent to the inspection. This withdrawal of citation/violation was communicated to the FAA through the CEI report of March 16, 2001. Therefore, it is our understanding that no further response is required from the FAA.

To respond to the citation regarding the potentially hazardous nature of the spent paint waste filters, FAA contract support personnel collected a representative sample of the waste on March 23, 2001. The sample was hand delivered to M.D Chemical and Testing, Inc., in Lenexa, Kansas for analysis of metals using the toxicity characteristic leaching procedure (TCLP). The analysis was conducted using SW-846 method 1311 as required by RCRA (codified in 40 CFR 261.24). A copy of the chain-of-custody record and the analytical data is enclosed.

The resulting data indicates that with the exception of barium, all the other analytes levels present were below the method detection limits. Barium was detected at a concentration of 7.8 milligrams per liter. Also, the concentration of barium was well below the regulatory threshold (40 CFR 261.24) of 100 milligrams per liter. Based on the analytical data, it has been determined that the spent paint waste filters generated at the FAA Staging area are not hazardous.

At this time, the FAA is not contemplating any additional follow up work relating to MDNR's inspection, unless directed otherwise by the MDNR. If you require additional information, please contact .Jerry Groom, at (816) 241-8390.

Sincerely,

Gordon E Montney

Thomas A. Curtis
Manager, Kansas City NAS Implementation Center

Enclosure

cc: Ms. Kathy Flippin, Chief, Hazardous Waste Enforcement Unit, P.O. Box 176, Jefferson City, Missouri 65102

Mr. Scott Lueckert, NATCA Representative, ANI-520

Bob Holden, Governor • Stephen M. Mahfood, Director

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY
Kansas City Regional Office
500 NE Colbern Road
Lee's Summit, MO 64086-4710
(816) 622-7000
FAX (816) 622-7044

RECEIVED
MAY 22 2001
HAZARDOUS WASTE PROGRAM
MISSOURI DEPARTMENT OF
NATURAL RESOURCES

May 18, 2001

Mr. Jerry Groom,
Electronic Technician
Federal Aviation
Administration Staging
633 Hardesty, Building #6
Kansas City, MO 64015

RE: Notice of Violation #4974

Dear Mr. Groom:

The Kansas City Regional Office of the Missouri Department of Natural Resources has received and reviewed your April 20, 2001, response to the above referenced Notice of Violation. Your response adequately addresses unsatisfactory feature 1. With your latest response the violation noted at the inspection of March 2, 2001, has been satisfactorily addressed.

The department appreciates your cooperation in correcting the hazardous waste violation observed during the inspection. Should you have any questions please contact me at (816) 622-7000.

Sincerely,

KANSAS CITY REGIONAL OFFICE

Michael R. Miller
Environmental Specialist

JRM/mmg

c: Ms. Kathy Flippin, Hazardous Waste Program

Recycled Paper

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

GENERATOR'S NAME **REFERENCE 18**

CONTACT PERS FEDERAL AVIATION ADMINISTRATION STAGIN
CONTACT: DAN WASHBURN
SITE STREET AI 633 HARDESTY
KANSAS CITY, MO 64124

CITY EPA ID =MO2210090062 MO ID =010204

GENERATOR'S EPA I D NUMBER

GENERATOR'S MISSOURI I D NUMBER

NOTE:THE FEDERAL EPA AND MISSOURI GENERATOR I D. NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS PRODUCED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES.

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION A - REPORT IDENTIFICATION

1. TYPE OF REPORT (CHECK ONE)
☐ QUARTERLY ☒ ANNUAL
(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)

2. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
☐ 9-30- ___ (YEAR) ☐ 12-31- ___ (YEAR)
☐ 3-31- ___ (YEAR) ☐ 6-30- 99 (YEAR) 99

3. PAGE 1 OF 1

SECTION B - GENERATOR IDENTIFICATION

NOTE: Any change in either the mailing or site address from previous reports requires renotification to the Department.

4. GENERATOR'S NAME ☒ SAME AS LABEL

5. GENERATOR CONTACT PERSON (NAME) ☐ SAME AS LABEL — TELEPHONE NUMBER 816-241-8390

6. MAILING ADDRESS — CITY — STATE — ZIP CODE

7. PLANT SITE ADDRESS ☐ SAME AS LABEL — CITY — STATE — ZIP CODE

8. NAME OF PARENT FIRM — OFFICE USE ONLY

SECTION C - STATUS OF WASTE GENERATED (CHECK ONE)

9. ☐ SHIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign certification and transmit to the department.

10. ☒ REPORTABLE QUANTITY NOT GENERATED. Sign certification and transmit to the department. (Do not complete Part 2)

11. ☐ REPORTABLE QUANTITY GENERATED BUT NOT SHIPPED OFF-SITE THIS QUARTER. Sign certification and transmit to the department. (Do not complete Part 2).

SECTION D - COMMENTS

12.

SECTION E - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME	SIGNATURE	DATE
JERRY GROOM	Jerry Groom	3-2-99

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

GENERATOR'S NAME

CONTACT PERS FEDERAL AVIATION ADMINISTRATION STAGIN
CONTACT: DAN WASEBURN
633 HARDESTY
SITE STREET AI KANSAS CITY, MO 64124

CITY EPA ID =MO2210090052 MO ID =010204

GENERATOR'S EPA I.D. NUMBER | GENERATOR'S MISSOURI I.D. NUMBER

NOTE: THE FEDERAL EPA AND MISSOURI GENERATOR I.D. NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS PRODUCED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES.

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION A - REPORT IDENTIFICATION

1. TYPE OF REPORT (CHECK ONE)
☐ QUARTERLY ☒ ANNUAL
(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)

2. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)
☐ 9-30- ___ (YEAR) ☐ 12-31- ___ (YEAR)
☐ 3-31- ___ (YEAR) ☐ 6-30- 00 (YEAR)

3. PAGE 1 OF 1

SECTION B - GENERATOR IDENTIFICATION

NOTE: Any change in either the mailing or site address from previous reports requires renotification to the Department.

4. GENERATOR'S NAME ☒ SAME AS LABEL

5. GENERATOR CONTACT PERSON (NAME) ☐ SAME AS LABEL — TELEPHONE NUMBER 816-241-8390

6. MAILING ADDRESS — CITY — STATE — ZIP CODE

7. PLANT SITE ADDRESS ☐ SAME AS LABEL — CITY — STATE — ZIP CODE

8. NAME OF PARENT FIRM — OFFICE USE ONLY

SECTION C - STATUS OF WASTE GENERATED (CHECK ONE)

9. ☐ SHIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign certification and transmit to the department.

10. ☒ REPORTABLE QUANTITY NOT GENERATED. Sign certification and transmit to the department. (Do not complete Part 2)

11. ☐ REPORTABLE QUANTITY GENERATED BUT NOT SHIPPED OFF-SITE THIS QUARTER. Sign certification and transmit to the department. (Do not complete Part 2).

SECTION D - COMMENTS

12

SECTION E - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those incividuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME	SIGNATURE	DATE
JERRY GROOM	Jerry Groom	7-7-00

or type with ELITE type (12 characters per inch) in the unshaded areas only.

Refer to the Instructions for Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

NOTE: Return completed forms to the address above.

REFERENCE 19

NOTIFICATION OF REGULATED WASTE ACTIVITY

[X] A. First Notification [ ] B. Subsequent Notification (complete Item C)

C. Installation's EPA ID Number: MOP000011190

II. Name of Installation (Include company and specific site name)

MARINE CORRS RESERVE SUPPORT

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street: 607 HARDESTY BLDG 11 DOOR 4

Street (Continued):

City or Town: KANSAS CITY | State: MO | ZIP Code: 64124-3032

County Code: | County Name: JACKSON

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box: 10950 EL MONTE (LD-3C)

City or Town: OVERLAND PARK | State: KS | ZIP Code: 66211-1408

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last): REMMENGA (first): KURT

Job Title: CAPTAIN Phone Number (area code and number): 913-491-7928

VI. Installation Contact Address (See Instructions)

A. Contact Address: [X] Location [ ] Mailing

B. Street or P.O. Box: 607 HARDESTY BLDG 11 DOOR 4

City or Town: KANSAS CITY | State: MO | ZIP Code: 64124-3032

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner: GENERAL SERVICES ADMINISTRATION

Street, P.O. Box, or Route Number: 1500 EAST BANNISTER ROAD

City or Town: KANSAS CITY | State: MO | ZIP Code: 64131

Phone Number (area code and number): 816-926-7323

B. Land Type: F

C. Owner Type: F

D. Change of Owner Indicator: Yes [ ] No [X] (Date Changed) Month Day Year

RECEIVED MAY 13 1994 NATHAN REDDICK

MO 780-1164 (11-93) EPA 8700-12/MDNR HWG-1

CONTINUE ON REVERSE

CM 6-30-94

REFERENCE 20

ILDING

NOPY EDGE

AVEMENT

NCING

ONTOURS

POT ELEVATION

AILROAD/BUMPER STOP

AMP

ATE

LIGHT POLE

POWER POLE

RAFFIC SIGNAL

200' 300'

[redacted]

le: 1"=60'-0"

Interval: 2 feet

[redacted]

NO	REVISION	DATE

GENERAL SERVICES ADMINISTRATION
PUBLIC BUILDINGS SERVICE
CONSTRUCTION MANAGEMENT DIVISION
REGION 6 — KANSAS CITY, MO

BUILDING	NAME	FEDERAL CENTER			
	ADDRESS	STREET 607 Hardesty			
		CITY Kansas City	STATE MO		
	NUMBER	MO 0500 AE			
PROJECT	DESCRIPTION	MASTER PLAN			
	NUMBER	RMO 43130			
DRAWING	DRAWN BY		CKD BY		DATE
	TITLE	[redacted]			
	TYPE				
	NUMBER	15	6	[redacted]	
		TYPE	SERIES	SEQUENCE	
A — E	CONTRACT	GS - 0 00 -	NARS ENV NO.		
CONSTRUCTION	NUMBER	GS - 0 00 -			

MO 0500 AE FR 69 4-18-8-

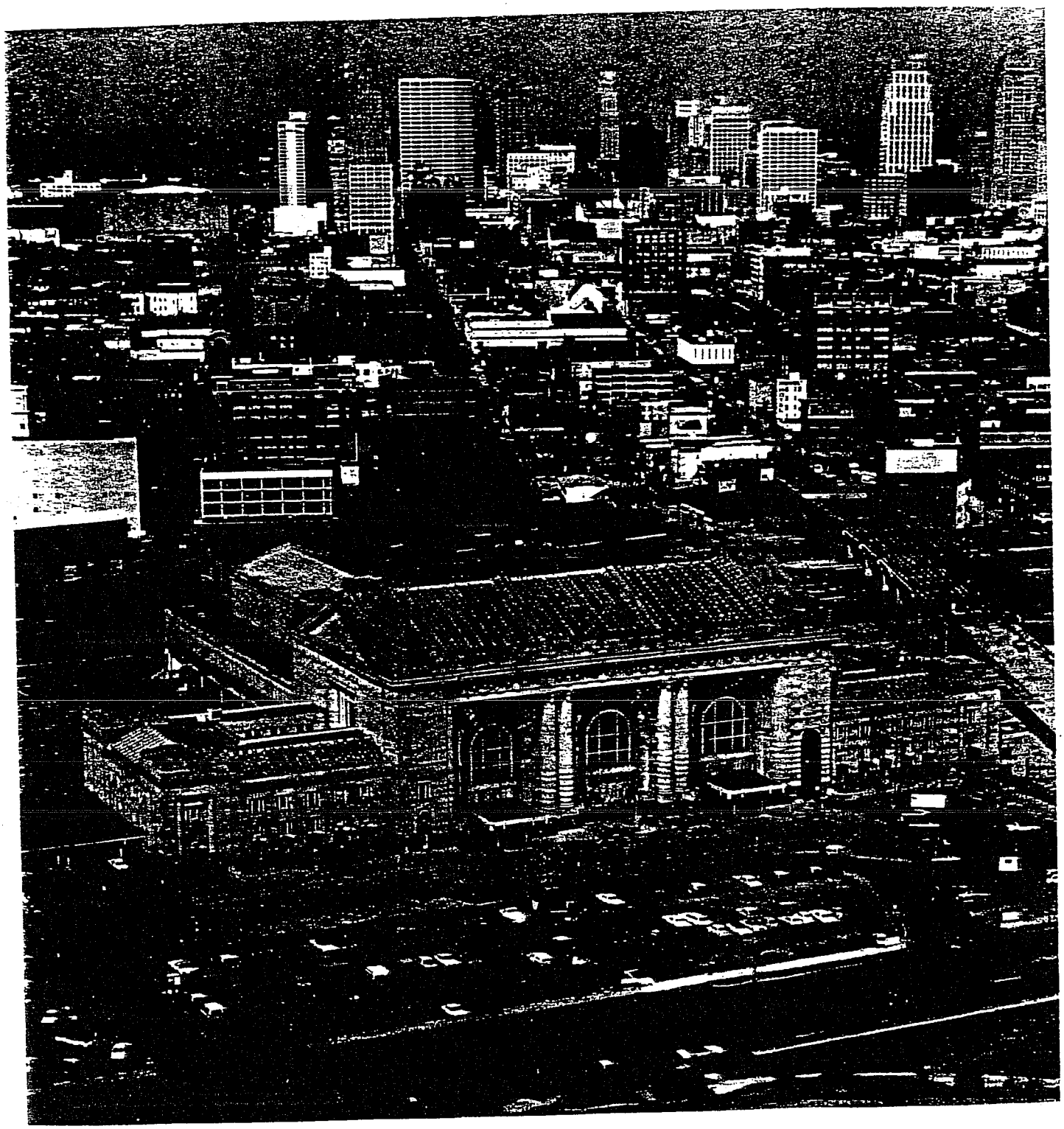
United States
Department of
Agriculture

Soil
Conservation
Service

In cooperation with
the Missouri
Agricultural
Experiment
Station

Soil Survey of Jackson County, Missouri

REFERENCE 21



The EDR Radius Atlas™
with GeoCheck®

PA Proposal
601 Hardesty Ave
Kansas City, MO 64123

Inquiry Number: 708022.1s

November 30, 2001

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORMER BUILDING 4 UST CLOSURE ASSESSMENT REPORT

FEDERAL CENTER
607 HARDESTY AVENUE, KANSAS CITY, MO

Missouri DNR ST# 10970
Contract No.: GS06P98GYC0012
GSA Project No.: RMO20490

Prepared for:

GENERAL SERVICES ADMINISTRATION

Property Management Division, Technical Support Branch (6PMT-E)
1500 East Bannister Road, Room 2135
Kansas City, Missouri 64131-3088

Prepared by:

CAPE ENVIRONMENTAL MANAGEMENT INC

Nationally Recognized by Clients for Superior Service.

91 Noll Street
Waukegan, Illinois 60085

JUNE 2000

FORMER USTs
SITE CHARACTERIZATION DRAFT REPORT

FEDERAL CENTER
607 HARDESTY AVENUE, KANSAS CITY, MISSOURI

Contract No. GS06P98GYC0012
GSA Project No. RM020490

Prepared for:

Property Management Division, Technical Support Branch (6PMT-E)
1500 East Bannister Road, Room 2135
Kansas City, Missouri 64131-3088

Prepared by:

CAPE
ENVIRONMENTAL
MANAGEMENT
I N C
Nationally Recognized by Clients for Superior Service.

91 Noll Street
Waukegan, IL 60085
(847) 336-4341

April 2001

REFERENCE 25

Terracon

Interview Record

Date, Time:	December 5, 2001, 9:10 AM to 9:50 AM
Project:	601-607 Hardesty Preliminary Assessment 50017083
Terracon Rep:	Tracie Ragland, Environmental Scientist (TR)
Interviewee:	John Reddy, Representative (JR)
Firm:	City of Kansas City, Missouri, Water Supply Division
Phone #:	(816) 513-7101
Fax:	(816) 513-7099

NOTES:

TR visited with JR today to review any available municipal water supply distribution system maps for Kansas City, Missouri. The only map JR had available for TR to review was a Schematic Layout of Pump Stations, Meters, Feeder Mains, and Reservoirs, dated May 30, 1995. JR gave TR a copy of this map. JR stated that the Kansas City water treatment plant supplies drinking water for the City of Kansas City, Missouri, but not for North Kansas City, Missouri or for Independence, Missouri. JR also stated that there is a small treatment plant by Atherton, Missouri which serves the eastern portion of Jackson County. JR stated that only 0.2 of 1% of the water in the Missouri River is used by the treatment plant to supply drinking water. The water flows to the east in the river. The river flow is approximately 13,000 cubic feet per second. According to JR, the Missouri River alluvial aquifer is located in the flood plain of the Missouri River. JR stated that the water in the aquifer, which is pumped by 14 wells, is used to control the temperature of the water and is blended and treated with river water. JR stated that there is no potable water aquifer or wells south of the Missouri River in Kansas City, Jackson County, Missouri. JR stated that solids are separated in settling basins and the water is enhanced with lime for softening.

Ragland, Tracie A.

From: John_Reddy@kcmo.org
Sent: Monday, December 03, 2001 4:01 PM
To: Ragland, Tracie A.
Subject: Re: Drinking water information

City of Kansas City Missouri has only one municipal water supply system and water treatment plant for Kansas City Missouri. It has another small water treatment plant by Atherton Missouri for two public water districts in eastern Jackson County.

The source of raw water for the City of Kansas City, Missouri is the Missouri River and its alluvial aquifer by the Missouri River at mile 370.5.

The location of the river intake is at Missouri River mile 370.5 Lat 39d 09' 16.47" Log -94d 35' 20.63"

Missouri River alluvial aquifer - depth is -40 to -100 feet Kansas City Datum. Reference KC Datum is 722.3 USGS.

The well water is pumped.

The drinking water is a blend of well water and river water that is made potable in the City's treatment plant. The well water is use for temperature control. Well are operated in August and September to warm up the aquifer and then turned on one at a time in the winter months. The well are under surface influence.

4,836 million gallons produced by the wells in year 2000 and we serve approximately 600,000 people.

We have no large draw down on our 14 wells.

We have no closed wells.

There is rare complaints of poor tasting and odor in the spring thaw run off some years.

Kansas City has combine sewers between State Line - Mo River - Big Blue River - 95th and State Line.

All sanitary and combine sewers go to sewer treatment plants.

For the combine sewers there is by-pass during heavy precipitation.

N. END OPEN WH	Thermal System	12	FT	Y
	STEAM			
MAINTANENCE O	Miscellaneous	0	FT	Y
	9" FLOOR TILE-GREEN W/WHITE & BLACK			
S.SIDE WAREHO	Thermal System	0	FT	Y
	STEAM			
N.END AREA WAR	Thermal System	0	FT	Y
	STEAM			
MAIN MECHANIC	Miscellaneous	0	FT	Y
	9" FLOOR TILE-GREEN W/WHITE & BLACK			
N. END OPEN WH	Thermal System	0	FT	Y
	COLD WATER			
S. SIDE WAREHO	Thermal System	50	FT	Y
	COLD WATER			
MAIN MECHANIC	Thermal System	0	FT	Y
	CITY WATER			
MAIN MECHANIC	Thermal System	0	FT	Y
	CHILLED INSULATION JACKET			
S.SIDE WAREHO	Miscellaneous	0	FT	Y
	MISC CEMENT ASBESTOS WALLBOARD			

WELD SHOP/BLU	Thermal System COLD WATER	0 FT	Y
WELDING SHOP/B	Thermal System COLD WATER	0 FT	Y
WELD SHOP/BLU	Miscellaneous 6" CEMENT ASBESTOS VENT PIPES	16 FT	Y
WELDING SHOP/B	Miscellaneous CEMENT ASBESTOS WALL PARTITIONS	0 FT	Y

Floor

BSMT

Location	Type and Description	Quantity	Is It Asbestos?
ABOVE WOMENS	Thermal System STEAM	17 FT	Y
TUNNEL BETWEE	Thermal System STEAM - 12" & 8"	248 FT	Y
WHSE AREA(VSM	Thermal System HOT WATER	0 FT	Y
ABOVE MENS RE	Thermal System FLOOR DRAINS	12 FT	Y
OLD RESTROOM/	Miscellaneous 6" CEMENT ASBESTOS FLOE	15 FT	Y
ABOVE WOMENS	Thermal System STEAM	0 FT	Y

OLD RESTROOM -	Thermal System	17	FT	Y
	STEAM-LARGE 10-12"			
MECH. ROOM P-Q	Thermal System	0	FT	Y
	STEAM - 4"			
DMA-P TO R EAS	Thermal System	276	FT	Y
	FLOOR DRAINS OR ROOF DRAINS			
WHSE (VSMC)P2-	Thermal System	1035	FT	Y
	STEAM-LARGE 10-12" & 6"			
OLD RESTROOM/	Thermal System	0	FT	Y
	HOT WATER			
DMA-ALL	Thermal System	365	FT	Y
	STEAM-8" & 4"(COVERED W/PLASTIC SLVS			
MECH ROOM-P-Q,	Thermal System	0	FT	Y
	CONDENSATE RETURN			
DMA - P TO R, EA	Thermal System	0	FT	Y
	FLOOR DRAINS			
WHSE (VSMC) P2-	Thermal System	0	FT	Y
	STEAM-LARGE 10-12" & 6"			
MECH. ROOM-P T	Thermal System	15	FT	Y
	STEAM - 4"			

OLD RESTROOM-	Thermal System	30	FT	Y
	CONDENSATE RETURN			
OLD RESTROOM/	Thermal System	0	FT	Y
	STEAM - LARGE 10-12"			
WRHSE(VSMC)P2	Thermal System	0	FT	Y
	COLD WATER			
WAREHOUSE US	Thermal System	551	FT	Y
	CONDENSATE RETURN			
MECH ROOM-P T	Thermal System	15	FT	Y
	CONDENSATE RETURN			
WAREHOUSE US	Thermal System	0	FT	Y
	CONDENSATE RETURN			
OLD RESTROOM-	Thermal System	0	FT	Y
	CONDENSATE RETURN			
TUNNEL BETWEE	Thermal System	0	FT	Y
	HOT WATER			
TUNNEL BETWEE	Thermal System	145	FT	Y
	HOT WATER			
OLD RESTROOM/	Thermal System	0	FT	Y
	HOT WATER TANK-ABANDONED			

WHSE(VSMC) NO	Thermal System STEAM - NEWER	0 FT	Y
TUNNEL BETWEE	Thermal System STEAM - 12" & 8"	0 FT	Y
DMA-ALL	Thermal System STEAM-8" & 4"(COVERED W/PLASTIC SLV)	0 FT	Y

Floor

EXT

Location	Type and Description	Quantity	Is It Asbestos?
EXTERIOR WIND	Miscellaneous CEMENT ASBESTOS EXTERIOR WINDOW PANS	0 FT	Y
S. SIDE BLDG EX	Thermal System STEAM FITTING	0 FT	Y
S. SIDE BLDG EX	Thermal System STEAM	150 FT	Y

Floor

G

Location	Type and Description	Quantity	Is It Asbestos?
WAREHOUSE AR	Thermal System COLD WATER	0 FT	Y
RESTROOM BY V	Thermal System COLD WATER	0 FT	Y
LOADING DOCK-V	Thermal System COLD WATER	0 FT	Y

DMA	Thermal System	1043	FT	Y
	STEAM (LARGE & SMALL)			
RESTROOM BY V	Thermal System	20	FT	Y
	STEAM			
WAREHOUSE AR	Thermal System	70	FT	Y
	STEAM - 4"			
DMA-SUPPLY RO	Thermal System	0	FT	Y
	DEBRIS FROM PIPE INSULATION-TRIMMING			
LOADING DOCK-V	Thermal System	0	FT	Y
	HOT WATER			
SMALL LOBBY W	Miscellaneous	0	FT	Y
	12" FLOOR TILE-OLIVE & CREAM MARBLE			
WOMENS RESTR	Miscellaneous	0	FT	Y
	12" FLOOR TILE-TAN & CREAM MARBLE			
LOADING DOCK-U	Thermal System	40	FT	Y
	CONDENSATE DRAIN LINE LAGGING			
LOADING DOCK-V	Thermal System	170	FT	Y
	STEAM			
SECURITY OFFIC	Thermal System	0	FT	Y
	CHILLED WATER			

RESTROOM BY U	Thermal System	0	FT	Y
	CONDENSATE RETURN			
OPEN WHSE BAY	Thermal System	0	FT	Y
	STEAM FITTINGS			
RESTROOM BY U	Thermal System	0	FT	Y
	STEAM-4"			
LOADING DOCK A	Thermal System	0	FT	Y
	STEAM			
WAREHOUSE AR	Thermal System	0	FT	Y
	STEAM			
OPEN WAREHOU	Thermal System	4	FT	Y
	CONDENSATE RETURN			
RESTROOM BY U	Thermal System	0	FT	Y
	CONDENSATE RETURN			
OPEN WAREHOU	Thermal System	0	FT	Y
	CONDENSATE RETURN			
OPEN WHSE BAY	Thermal System	0	FT	Y
	NEWER STEAM			
DMA-10	Miscellaneous	0	FT	Y
	12" CEILING TILE-2 SIZES OF CIRCULAR			

LOADING DOCK -	Thermal System CHILLED WATER	0 FT	Y
MENS RESTROO	Thermal System HOT WATER	0 FT	Y
DMA	Thermal System CHILLED WATER	0 FT	Y
VACANT OFFICES	Miscellaneous 9" FLOOR TILE-GRAY W/ORANGE UNDER CA	0 FT	Y
DMA-S.END, CEN	Thermal System CONDENSATE DRAIN LINE FITTINGS	0 FT	Y
LOADING DOCK-U	Thermal System CONDENSATE DRAIN LINE FITTINGS	0 FT	Y
DMA-CENTER CO	Thermal System PIPE INSULATION DEBRIS FROM PIPE	0 FT	Y
DMA-MECHANICA	Thermal System TSI FITTING DEBRIS ON FLOOR	0 FT	Y
OPEN WAREHOU	Miscellaneous 9" FLOOR TILE-GREEN W/WHITE STREAKS	0 FT	Y
DMA-ALL	Miscellaneous 9" FLOOR TILE-GREEM W/WHITE	0 FT	Y

OPEN WHSE BAY	Thermal System	82 FT	Y
	STEAM - 4" & 6"		
DMA-14	Thermal System	0 FT	Y
	TSI DEBRIS-MAGNESIA PIPE INSULATION		
RESTROOM BY V	Thermal System	0 FT	Y
	HOT WATER		
OPEN WAREHOU	Thermal System	0 FT	Y
	CHILLED WATER FITTINGS		

Floor

ROOF

Location	Type and Description	Quantity	Is It Asbestos?
ROOF-S. ELEVAT	Miscellaneous	0 FT	Y
	CEMENT ASBESTOS WINDOW PANEL		
S.E. COOLING TO	Miscellaneous	0 FT	Y
	CEMENT ASBESTOS COOLING TOWER FINS		

Asbestos Inventory Report for: **MO0512** 13-Feb-2002

FEDERAL CENTER, BLDG. 13
607 HARDESTY
KANSAS CITY, MO

Inspected By: Professional Industrial Hygiene Services Inspection Date: 15-Dec-1992

Floor

G

Location	Type and Description	Quantity	Is It Asbestos?
DMA	Thermal System STEAM	0 FT	Y
DMA	Thermal System CONDENSATE RETURN	85 FT	Y
DMA	Thermal System CONDENSATE RETURN	0 FT	Y
SUBSTATION INT	Miscellaneous MISC CEMENT ASBESTOS ENCLOSURE PANEL	0 FT	Y
SUBSTATION INT	Miscellaneous CEMENT ASBESTOS CORRUGATED CEILING P	0 FT	Y
SUBSTATION INT	Miscellaneous WOVEN 2" WIDE ASBESTOS CABLE INSULAT	180 FT	ASSUMED

REFERENCE 39

Terracon

Interview Record

Date, Time:	March 4, 2002, 8:00 AM
Project:	601-607 Hardesty Site Inspection 50017083
Terracon Rep:	Tracie Ragland, Environmental Scientist (TR)
Interviewee:	Dave Hartshorn, 6PMF (DH)
Firm:	United States General Services Administration
Phone #:	(816) 823-2227

NOTES:

TR called DH to discuss possible "next steps" regarding future groundwater sampling at the Hardesty Federal Complex. TR asked DH what the proposed use of the subject site will be. DH stated that the site may be sold to the adjoining property owner, Megaspace, Ltd., for use as a storage facility.

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2/25/02

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 50017083 HARDESTY FEDERAL COMPLEX. The Laboratory Project number is 272688. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
SAND-1 LEFT	02-A26526	2/19/02
SAND-2 CENTER	02-A26527	2/19/02
SAND-3 RIGHT	02-A26528	2/19/02
SAND-4F	02-A26529	2/19/02

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 2/25/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Jennifer P. Flynn, Technical Services

Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

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2/26/02

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
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Sample Identification	Lab Number	Collection Date
ASH-1 NORTH	02-A26545	2/19/02
ASH-2 EAST	02-A26546	2/19/02
ASH-3 WEST	02-A26547	2/19/02
ASH-4F	02-A26548	2/19/02

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JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 50017083 HARDESTY FEDERAL COMPLEX. The Laboratory Project number is 272853. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
GW-1B	02-A27202	2/20/02
GW-2	02-A27203	2/19/02
GW-5	02-A27204	2/20/02
GW-6D	02-A27205	2/20/02
GW-7R	02-A27206	2/20/02
GW-8T	02-A27207	2/20/02

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2/25/02

TERRACON 7857

13910 WEST 96 TERRACE
LENEXA, KS 66215

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 50017083 HARDESTY FEDERAL COMPLEX. The Laboratory Project number is 272836. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
GW-1B	02-A27082	2/20/02
GW-2	02-A27083	2/20/02
GW-5	02-A27084	2/20/02
GW-6D	02-A27085	2/20/02
GW-7R	02-A27086	2/20/02
GW-8T	02-A27087	2/20/02
TRIP BLANK	02-A27088	

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Report Approved By: _____ Report Date: 2/25/02

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2/26/02

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 50017083 HARDESTY FEDERAL COMPLEX. The Laboratory Project number is 272799. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
SS-1B	02-A26934	2/19/02
SS-2	02-A26935	2/19/02
SS-3	02-A26936	2/20/02
SS-4	02-A26937	2/20/02
SS-5	02-A26938	2/19/02
SS-6D	02-A26939	2/20/02

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Report Approved By: _____ Report Date: 2/26/02

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A26526
Sample ID: SAND-1 LEFT
Sample Type: Solid waste
Site ID:

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIC RAGLAND

Date Collected: 2/19/02
Time Collected: 11:30
Date Received: 2/20/02
Time Received: 9:00
Page: 1

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method	QC Batch
Lead	554.	mg/l	5.0	108	2/24/02	15:47	G.McCord	6010B	4293
TCLP Extraction	Initiated				2/22/02	15:00	M.Womack	1311	2171

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A26527
Sample ID: SAND-2 CENTER
Sample Type: Solid waste
Site ID:

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Date Collected: 2/19/02
Time Collected: 11:35
Date Received: 2/20/02
Time Received: 9:00
Page: 1

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method	QC Batch
Lead	610.	mg/l	5.0	108	2/24/02	15:47	G.McCord	6010B	4293
TCLP Extraction	Initiated				2/22/02	15:00	M.Womack	1311	2171

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A26528
Sample ID: SAND-3 RIGHT
Sample Type: Solid waste
Site ID:

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Date Collected: 2/19/02
Time Collected: 11:40
Date Received: 2/20/02
Time Received: 9:00
Page: 1

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method	QC Batch
Lead	604.	mg/l	5.0	108	2/24/02	15:47	G.McCord	6010B	4293
TCLP Extraction	Initiated				2/22/02	15:00	M.Womack	1311	2171

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A26529
Sample ID: SAND-4F
Sample Type: Liquid waste
Site ID:

Date Collected: 2/19/02
Time Collected: 11:45
Date Received: 2/20/02
Time Received: 9:00
Page: 1

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method	QC Batch
Lead	< 0.500	mg/l	5.0	105	2/22/02	14:42	Rob Hunt	6010B	2948

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
METALS								
Lead	mg/l	< 0.5000	52.70	50.00	105	80 - 120	2948	02-A26158
Lead	mg/l	< 0.5000	53.80	50.00	108	80 - 120	4293	Duplicate

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
METALS						
Lead	mg/l	52.70	49.80	5.66	20	2948
Lead	mg/l	53.80	50.20	6.92	20	4293

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						
Lead	mg/l	5.000	5.160	103	80 - 120	2948
Lead	mg/l	5.000	5.270	105	80 - 120	4293

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 2

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
METALS					
Lead	< 0.5000	mg/l	2948	2/22/02	14:42
Lead	< 0.5000	mg/l	4293	2/24/02	15:47

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 272688

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A26545
Sample ID: ASH-1 NORTH
Sample Type: Solid waste
Site ID:

Date Collected: 2/19/02
Time Collected: 10:00
Date Received: 2/20/02
Time Received: 9:00
Page: 1

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method	QC Batch
Arsenic	< 0.100	mg/l	5.0	113	2/24/02	15:47	G.McCord	6010B	4293
Barium	< 1.00	mg/l	100	105	2/24/02	15:47	G.McCord	6010B	4293
Cadmium	< 0.100	mg/l	1.0	107	2/24/02	15:47	G.McCord	6010B	4293
Chromium	< 0.500	mg/l	5.0	104	2/24/02	15:47	G.McCord	6010B	4293
Lead	< 0.500	mg/l	5.0	108	2/24/02	15:47	G.McCord	6010B	4293
Mercury	< 0.0100	mg/l	0.2	117	2/25/02	15:00	K. Ahmed	7470A	4731
Selenium	< 0.100	mg/l	1.0	119	2/24/02	15:47	G.McCord	6010B	4293
Silver	< 0.100	mg/l	5.0	105	2/24/02	15:47	G.McCord	6010B	4293
TCLP Extraction	Initiated				2/22/02	15:00	M.Womack	1311	2171

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A26546
Sample ID: ASH-2 EAST
Sample Type: Solid waste
Site ID:

Date Collected: 2/19/02
Time Collected: 10:10
Date Received: 2/20/02
Time Received: 9:00
Page: 1

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method	QC Batch
Arsenic	< 0.100	mg/l	5.0	113	2/24/02	15:47	G.McCord	6010B	4293
Barium	< 1.00	mg/l	100	105	2/24/02	15:47	G.McCord	6010B	4293
Cadmium	< 0.100	mg/l	1.0	107	2/24/02	15:47	G.McCord	6010B	4293
Chromium	< 0.500	mg/l	5.0	104	2/24/02	15:47	G.McCord	6010B	4293
Lead	0.830	mg/l	5.0	108	2/24/02	15:47	G.McCord	6010B	4293
Mercury	< 0.0100	mg/l	0.2	117	2/25/02	15:00	K. Ahmed	7470A	4731
Selenium	< 0.100	mg/l	1.0	119	2/24/02	15:47	G.McCord	6010B	4293
Silver	< 0.100	mg/l	5.0	105	2/24/02	15:47	G.McCord	6010B	4293
TCLP Extraction	Initiated				2/22/02	15:00	M.Womack	1311	2171

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A26547
Sample ID: ASH-3 WEST
Sample Type: Solid waste
Site ID:

Date Collected: 2/19/02
Time Collected: 10:15
Date Received: 2/20/02
Time Received: 9:00
Page: 1

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method	QC Batch
Arsenic	< 0.100	mg/l	5.0	113	2/24/02	15:47	G.McCord	6010B	4293
Barium	< 1.00	mg/l	100	105	2/24/02	15:47	G.McCord	6010B	4293
Cadmium	< 0.100	mg/l	1.0	107	2/24/02	15:47	G.McCord	6010B	4293
Chromium	< 0.500	mg/l	5.0	104	2/24/02	15:47	G.McCord	6010B	4293
Lead	< 0.500	mg/l	5.0	108	2/24/02	15:47	G.McCord	6010B	4293
Mercury	< 0.0100	mg/l	0.2	117	2/25/02	15:00	K. Ahmed	7470A	4731
Selenium	< 0.100	mg/l	1.0	119	2/24/02	15:47	G.McCord	6010B	4293
Silver	< 0.100	mg/l	5.0	105	2/24/02	15:47	G.McCord	6010B	4293
TCLP Extraction	Initiated				2/22/02	15:00	M.Womack	1311	2171

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A26548
Sample ID: ASH-4F
Sample Type: Liquid waste
Site ID:

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Date Collected: 2/19/02
Time Collected: 10:30
Date Received: 2/20/02
Time Received: 9:00
Page: 1

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method	QC Batch
Arsenic	< 0.100	mg/l	5.0	112	2/22/02	14:42	Rob Hunt	6010B	2948
Barium	< 1.00	mg/l	100	103	2/22/02	14:42	Rob Hunt	6010B	2948
Cadmium	< 0.100	mg/l	1.0	104	2/22/02	14:42	Rob Hunt	6010B	2948
Chromium	< 0.500	mg/l	5.0	101	2/22/02	14:42	Rob Hunt	6010B	2948
Lead	< 0.500	mg/l	5.0	105	2/22/02	14:42	Rob Hunt	6010B	2948
Mercury	< 0.0100	mg/l	0.2	78	2/26/02	12:45	C.Johnson	7470A	5662
Selenium	< 0.100	mg/l	1.0	115	2/22/02	14:42	Rob Hunt	6010B	2948
Silver	< 0.100	mg/l	5.0	106	2/22/02	14:42	Rob Hunt	6010B	2948

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
METALS								
Arsenic	mg/l	< 0.100	11.2	10.0	112	80 - 120	2948	02-A26158
Arsenic	mg/l	< 0.100	11.3	10.0	113	80 - 120	4293	Duplicate
Barium	mg/l	< 1.00	103.	100.	103	80 - 120	2948	02-A26158
Barium	mg/l	< 1.00	105.	100.	105	80 - 120	4293	Duplicate
Cadmium	mg/l	< 0.100	10.4	10.0	104	80 - 120	2948	02-A26158
Cadmium	mg/l	< 0.100	10.7	10.0	107	80 - 120	4293	Duplicate
Chromium	mg/l	< 0.500	50.3	50.0	101	80 - 120	2948	02-A26158
Chromium	mg/l	< 0.500	51.8	50.0	104	80 - 120	4293	Duplicate
Lead	mg/l	< 0.5000	52.70	50.00	105	80 - 120	2948	02-A26158
Lead	mg/l	< 0.5000	53.80	50.00	108	80 - 120	4293	Duplicate
Mercury	mg/l	< 0.0100	1.170	1.000	117	80 - 120	4731	02-A27077
Mercury	mg/l	< 0.0100	0.6800	1.000	68#	80 - 120	5662	02-A26548
Selenium	mg/l	< 0.100	11.5	10.0	115	80 - 120	2948	02-A26158
Selenium	mg/l	< 0.100	11.9	10.0	119	80 - 120	4293	Duplicate
Silver	mg/l	< 0.100	10.6	10.0	106	80 - 120	2948	02-A26158
Silver	mg/l	< 0.100	10.5	10.0	105	80 - 120	4293	Duplicate

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
METALS						
Arsenic	mg/l	11.2	10.8	3.64	20	2948
Arsenic	mg/l	11.3	10.5	7.34	20	4293
Barium	mg/l	103.	95.5	7.56	20	2948
Barium	mg/l	105.	99.0	5.88	20	4293
Cadmium	mg/l	10.4	10.0	3.92	20	2948
Cadmium	mg/l	10.7	10.0	6.76	20	4293
Chromium	mg/l	50.3	48.6	3.44	20	2948

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Chromium	mg/l	51.8	48.4	6.79	20	4293
Lead	mg/l	52.70	49.80	5.66	20	2948
Lead	mg/l	53.80	50.20	6.92	20	4293
Mercury	mg/l	1.170	1.090	7.08	20	4731
Mercury	mg/l	0.6800	0.7800	13.70	20	5662
Selenium	mg/l	11.5	11.1	3.54	20	2948
Selenium	mg/l	11.9	11.1	6.96	20	4293
Silver	mg/l	10.6	10.2	3.85	20	2948
Silver	mg/l	10.5	10.7	1.89	20	4293

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						
Arsenic	mg/l	1.00	1.07	107	80 - 120	2948
Arsenic	mg/l	1.00	1.09	109	80 - 120	4293
Barium	mg/l	10.0	10.3	103	80 - 120	2948
Barium	mg/l	10.0	10.6	106	80 - 120	4293
Cadmium	mg/l	1.00	1.04	104	80 - 120	2948
Cadmium	mg/l	1.00	1.06	106	80 - 120	4293
Chromium	mg/l	5.00	5.03	101	80 - 120	2948
Chromium	mg/l	5.00	5.24	105	80 - 120	4293
Lead	mg/l	5.000	5.160	103	80 - 120	2948
Lead	mg/l	5.000	5.270	105	80 - 120	4293
Mercury	mg/l	0.1000	0.0940	94	85 - 115	4731
Mercury	mg/l	0.1000	0.0900	90	85 - 115	5662
Selenium	mg/l	1.00	1.08	108	80 - 120	2948
Selenium	mg/l	1.00	1.12	112	80 - 120	4293
Silver	mg/l	1.00	1.04	104	80 - 120	2948
Silver	mg/l	1.00	1.08	108	80 - 120	4293

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 3

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
METALS					
Arsenic	< 0.100	mg/l	2948	2/22/02	14:42
Arsenic	< 0.100	mg/l	4293	2/24/02	15:47
Barium	< 1.00	mg/l	2948	2/22/02	14:42
Barium	< 1.00	mg/l	4293	2/24/02	15:47
Cadmium	< 0.100	mg/l	2948	2/22/02	14:42
Cadmium	< 0.100	mg/l	4293	2/24/02	15:47
Chromium	< 0.500	mg/l	2948	2/22/02	14:42
Chromium	< 0.500	mg/l	4293	2/24/02	15:47
Lead	< 0.5000	mg/l	2948	2/22/02	14:42
Lead	< 0.5000	mg/l	4293	2/24/02	15:47
Mercury	< 0.0100	mg/l	4731	2/25/02	15:00
Mercury	< 0.0100	mg/l	5662	2/26/02	12:45
Selenium	< 0.100	mg/l	2948	2/22/02	14:42
Selenium	< 0.100	mg/l	4293	2/24/02	15:47
Silver	< 0.100	mg/l	2948	2/22/02	14:42
Silver	< 0.100	mg/l	4293	2/24/02	15:47

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 272690

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ANALYTICAL REPORT

TERRACON 7857

13910 WEST 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A27082
Sample ID: GW-1B
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 9:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Acenaphthylene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Anthracene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Benzo(a)anthracene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Benzo(a)pyrene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Benzo(b)fluoranthene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Benzo(g,h,i)perylene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Benzo(k)fluoranthene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
4-Bromophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Butylbenzylphthalate	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Carbazole	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
4-Chloro-3-methylphenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
4-Chloroaniline	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Bis(2-chloroethoxy)methane	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Bis(2-chloroethyl)ether	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Bis(2-chloroisopropyl)ether	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2-Chloronaphthalene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2-Chlorophenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
4-Chlorophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Chrysene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Dibenzofuran	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Dibenz(a,h)anthracene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
1,2-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
1,3-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
1,4-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
3,3'-Dichlorobenzidine	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A27082
Sample ID: GW-1B
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4-Dichlorophenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Diethylphthalate	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2,4-Dimethylphenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Dimethylphthalate	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Di-n-Butylphthalate	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
4,6-Dinitro-2-methylphenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2,4-Dinitrophenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2,4-dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2,6-Dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Di-n-octylphthalate	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Fluoranthene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Fluorene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Hexachlorobenzene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Hexachlorobutadiene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Hexachlorocyclopentadiene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Hexachloroethane	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Isophorone	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2-Methylnaphthalene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2-Methylphenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
3 and 4-Methylphenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Naphthalene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
3-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
4-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Nitrobenzene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
4-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
N-Nitroso-Di-n-Propylamine	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
N-Nitrosodiphenylamine	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Pentachlorophenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Phenanthrene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Phenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Pyrene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
Bis(2-ethylhexyl)phthalate	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
1,2,4-Trichlorobenzene	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A27082
Sample ID: GW-1B
Project: 50017083

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4,5-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
2,4,6-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	5:56	Jeanmarie	8270C	4751
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	2/25/02	13:06	N. Hurt	8260B	2516
Benzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Bromobenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Bromochloromethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Bromoform	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Bromomethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
2-Butanone	ND	mg/l	0.0500	1	2/25/02	13:06	N. Hurt	8260B	2516
n-Butylbenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
sec-Butylbenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
t-Butylbenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Carbon disulfide	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Carbon tetrachloride	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Chlorobenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Chloroethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Chloroform	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Chloromethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
2-Chlorotoluene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
4-Chlorotoluene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	2/25/02	13:06	N. Hurt	8260B	2516
Dibromochloromethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2-Dibromoethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Dibromomethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Dichlorodifluoromethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,1-Dichloroethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2-Dichloroethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,1-Dichloroethene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2-Dichloropropane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A27082
Sample ID: GW-1B
Project: 50017083

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,3-Dichloropropane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
2,2-Dichloropropane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,1-Dichloropropene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Ethylbenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Hexachlorobutadiene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
2-Hexanone	ND	mg/l	0.0100	1	2/25/02	13:06	N. Hurt	8260B	2516
Isopropylbenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
4-Isopropyltoluene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	2/25/02	13:06	N. Hurt	8260B	2516
Methylene chloride	ND	mg/l	0.0050	1	2/25/02	13:06	N. Hurt	8260B	2516
Naphthalene	ND	mg/l	0.0050	1	2/25/02	13:06	N. Hurt	8260B	2516
n-Propylbenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Styrene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Tetrachloroethene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Toluene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Trichloroethene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Vinyl chloride	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Xylenes (Total)	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Bromodichloromethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516
Trichlorofluoromethane	ND	mg/l	0.0020	1	2/25/02	13:06	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27082
Sample ID: GW-1B
Project: 50017083

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	990. ml	1.0 ml	2/22/02		D. Harris	3510/625

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	60. - 158.
VOA Surr Toluene-d8	102.	82. - 127.
VOA Surr, 4-BFB	102.	72. - 136.
VOA Surr, DBFM	97.	81. - 137.
BNA Surr-Nitrobenzene-d5	84.	24. - 128.
BNA Surr-2-Fluorobiphenyl	75.	33. - 118.
BNA Surr-Terphenyl-d14	78.	27. - 142.
BNA Surr-Phenol-d5	49.	1. - 72.
BNA Surr-2-Fluorophenol	60.	1. - 99.
BNA Surr-2,4,6-Tribromophenol	113.	45. - 157.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A27202
Sample ID: GW-1B
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 9:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	0.340	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Barium	15.12	mg/l	0.0200	1	2/22/02	23:50	Rob Hunt	6010B	2900
Cadmium	0.0360	mg/l	0.0020	1	2/22/02	23:50	Rob Hunt	6010B	2900
Chromium	1.352	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Lead	0.9660	mg/l	0.0060	1	2/22/02	23:50	Rob Hunt	6010B	2900
Mercury	0.0014	mg/l	0.0002	1	2/23/02	14:30	W. Choate	7470A	2731
Selenium	0.0220	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Silver	ND	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON 7857

13910 WEST 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A27083
Sample ID: GW-2
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 13:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Acenaphthylene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Anthracene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Benzo(a)anthracene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Benzo(a)pyrene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Benzo(b)fluoranthene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Benzo(g,h,i)perylene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Benzo(k)fluoranthene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
4-Bromophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Butylbenzylphthalate	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Carbazole	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
4-Chloro-3-methylphenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
4-Chloroaniline	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Bis(2-chloroethoxy)methane	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Bis(2-chloroethyl)ether	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Bis(2-chloroisopropyl)ether	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2-Chloronaphthalene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2-Chlorophenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
4-Chlorophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Chrysene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Dibenzofuran	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Dibenz(a,h)anthracene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
1,2-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
1,3-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
1,4-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
3,3'-Dichlorobenzidine	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27083
Sample ID: GW-2
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4-Dichlorophenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Diethylphthalate	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2,4-Dimethylphenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Dimethylphthalate	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Di-n-Butylphthalate	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
4,6-Dinitro-2-methylphenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2,4-Dinitrophenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2,4-dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2,6-Dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Di-n-octylphthalate	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Fluoranthene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Fluorene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Hexachlorobenzene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Hexachlorobutadiene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Hexachlorocyclopentadiene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Hexachloroethane	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Isophorone	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2-Methylnaphthalene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2-Methylphenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
3 and 4-Methylphenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Naphthalene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
3-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
4-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Nitrobenzene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
4-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
N-Nitroso-Di-n-Propylamine	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
N-Nitrosodiphenylamine	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Pentachlorophenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Phenanthrene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Phenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Pyrene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
Bis(2-ethylhexyl)phthalate	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
1,2,4-Trichlorobenzene	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27083
Sample ID: GW-2
Project: 50017083

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4,5-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
2,4,6-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	7:53	Jeanmarie	8270C	4751
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	2/23/02	16:01	N. Hurt	8260B	2516
Benzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Bromobenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Bromochloromethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Bromoform	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Bromomethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
2-Butanone	ND	mg/l	0.0500	1	2/23/02	16:01	N. Hurt	8260B	2516
n-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
sec-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
t-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Carbon disulfide	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Carbon tetrachloride	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Chlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Chloroethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Chloroform	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Chloromethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
2-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
4-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	2/23/02	16:01	N. Hurt	8260B	2516
Dibromochloromethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2-Dibromoethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Dibromomethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Dichlorodifluoromethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,1-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,1-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27083
Sample ID: GW-2
Project: 50017083
Page 4

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,3-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
2,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,1-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Ethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Hexachlorobutadiene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
2-Hexanone	ND	mg/l	0.0100	1	2/23/02	16:01	N. Hurt	8260B	2516
Isopropylbenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
4-Isopropyltoluene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	2/23/02	16:01	N. Hurt	8260B	2516
Methylene chloride	ND	mg/l	0.0050	1	2/23/02	16:01	N. Hurt	8260B	2516
Naphthalene	ND	mg/l	0.0050	1	2/23/02	16:01	N. Hurt	8260B	2516
n-Propylbenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Styrene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Tetrachloroethene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Toluene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Trichloroethene	0.0728	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Vinyl chloride	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Xylenes (Total)	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Bromodichloromethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516
Trichlorofluoromethane	ND	mg/l	0.0020	1	2/23/02	16:01	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27083
Sample ID: GW-2
Project: 50017083

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	980. ml	1.0 ml	2/22/02		D. Harris	3510/625

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	113.	60. - 158.
VOA Surr Toluene-d8	110.	82. - 127.
VOA Surr, 4-BFB	107.	72. - 136.
VOA Surr, DBFM	105.	81. - 137.
BNA Surr-Nitrobenzene-d5	75.	24. - 128.
BNA Surr-2-Fluorobiphenyl	69.	33. - 118.
BNA Surr-Terphenyl-d14	76.	27. - 142.
BNA Surr-Phenol-d5	60.	1. - 72.
BNA Surr-2-Fluorophenol	69.	1. - 99.
BNA Surr-2,4,6-Tribromophenol	103.	45. - 157.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A27203
Sample ID: GW-2
Sample Type: Ground water
Site ID:

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Date Collected: 2/19/02
Time Collected: 13:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	0.622	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Barium	3.760	mg/l	0.0200	1	2/22/02	23:50	Rob Hunt	6010B	2900
Cadmium	0.0340	mg/l	0.0020	1	2/22/02	23:50	Rob Hunt	6010B	2900
Chromium	0.3620	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Lead	0.3680	mg/l	0.0060	1	2/22/02	23:50	Rob Hunt	6010B	2900
Mercury	ND	mg/l	0.0002	1	2/23/02	14:30	W. Choate	7470A	2731
Selenium	0.0420	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Silver	ND	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON 7857

13910 WEST 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A27084
Sample ID: GW-5
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 10:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Acenaphthylene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Anthracene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Benzo(a)anthracene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Benzo(a)pyrene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Benzo(b)fluoranthene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Benzo(g,h,i)perylene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Benzo(k)fluoranthene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
4-Bromophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Butylbenzylphthalate	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Carbazole	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
4-Chloro-3-methylphenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
4-Chloroaniline	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Bis(2-chloroethoxy)methane	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Bis(2-chloroethyl)ether	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Bis(2-chloroisopropyl)ether	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2-Chloronaphthalene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2-Chlorophenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
4-Chlorophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Chrysene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Dibenzofuran	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Dibenz(a,h)anthracene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
1,2-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
1,3-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
1,4-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
3,3'-Dichlorobenzidine	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27084
Sample ID: GW-5
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4-Dichlorophenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Diethylphthalate	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2,4-Dimethylphenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Dimethylphthalate	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Di-n-Butylphthalate	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
4,6-Dinitro-2-methylphenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2,4-Dinitrophenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2,4-dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2,6-Dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Di-n-octylphthalate	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Fluoranthene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Fluorene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Hexachlorobenzene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Hexachlorobutadiene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Hexachlorocyclopentadiene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Hexachloroethane	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Isophorone	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2-Methylnaphthalene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2-Methylphenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
3 and 4-Methylphenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Naphthalene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
3-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
4-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Nitrobenzene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
4-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
N-Nitroso-Di-n-Propylamine	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
N-Nitrosodiphenylamine	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Pentachlorophenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Phenanthrene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Phenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Pyrene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
Bis(2-ethylhexyl)phthalate	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
1,2,4-Trichlorobenzene	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A27084
Sample ID: GW-5
Project: 50017083
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4,5-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
2,4,6-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	8:32	Jeanmarie	8270C	4751
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	2/23/02	16:28	N. Hurt	8260B	2516
Benzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Bromobenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Bromochloromethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Bromoform	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Bromomethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
2-Butanone	ND	mg/l	0.0500	1	2/23/02	16:28	N. Hurt	8260B	2516
n-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
sec-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
t-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Carbon disulfide	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Carbon tetrachloride	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Chlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Chloroethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Chloroform	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Chloromethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
2-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
4-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	2/23/02	16:28	N. Hurt	8260B	2516
Dibromochloromethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2-Dibromoethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Dibromomethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Dichlorodifluoromethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,1-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,1-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
cis-1,2-Dichloroethene	0.0542	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
trans-1,2-Dichloroethene	0.0038	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27084
Sample ID: GW-5
Project: 50017083

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,3-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
2,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,1-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Ethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Hexachlorobutadiene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
2-Hexanone	ND	mg/l	0.0100	1	2/23/02	16:28	N. Hurt	8260B	2516
Isopropylbenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
4-Isopropyltoluene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	2/23/02	16:28	N. Hurt	8260B	2516
Methylene chloride	ND	mg/l	0.0050	1	2/23/02	16:28	N. Hurt	8260B	2516
Naphthalene	ND	mg/l	0.0050	1	2/23/02	16:28	N. Hurt	8260B	2516
n-Propylbenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Styrene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,1,2,2-Tetrachloroethane	0.0023	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Tetrachloroethene	0.0032	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Toluene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Trichloroethene	0.0515	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Vinyl chloride	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Xylenes (Total)	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Bromodichloromethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516
Trichlorofluoromethane	ND	mg/l	0.0020	1	2/23/02	16:28	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A27084
Sample ID: GW-5
Project: 50017083

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	980. ml	1.0 ml	2/22/02		D. Harris	3510/625

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	111.	60. - 158.
VOA Surr Toluene-d8	105.	82. - 127.
VOA Surr, 4-BFB	105.	72. - 136.
VOA Surr, DBFM	106.	81. - 137.
BNA Surr-Nitrobenzene-d5	75.	24. - 128.
BNA Surr-2-Fluorobiphenyl	68.	33. - 118.
BNA Surr-Terphenyl-d14	76.	27. - 142.
BNA Surr-Phenol-d5	44.	1. - 72.
BNA Surr-2-Fluorophenol	55.	1. - 99.
BNA Surr-2,4,6-Tribromophenol	104.	45. - 157.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A27204
Sample ID: GW-5
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 10:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	0.0250	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Barium	1.000	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Cadmium	0.0040	mg/l	0.0010	1	2/22/02	23:50	Rob Hunt	6010B	2900
Chromium	0.0620	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Lead	0.1090	mg/l	0.0030	1	2/22/02	23:50	Rob Hunt	6010B	2900
Mercury	0.0007	mg/l	0.0002	1	2/23/02	14:30	W. Choate	7470A	2731
Selenium	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Silver	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON 7857

13910 WEST 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A27085
Sample ID: GW-6D
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 10:30
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Acenaphthylene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Anthracene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Benzo(a)anthracene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Benzo(a)pyrene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Benzo(b)fluoranthene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Benzo(g,h,i)perylene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Benzo(k)fluoranthene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
4-Bromophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Butylbenzylphthalate	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Carbazole	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
4-Chloro-3-methylphenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
4-Chloroaniline	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Bis(2-chloroethoxy)methane	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Bis(2-chloroethyl)ether	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Bis(2-chloroisopropyl)ether	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2-Chloronaphthalene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2-Chlorophenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
4-Chlorophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Chrysene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Dibenzofuran	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Dibenz(a,h)anthracene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
1,2-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
1,3-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
1,4-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
3,3'-Dichlorobenzidine	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27085
Sample ID: GW-6D
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4-Dichlorophenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Diethylphthalate	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2,4-Dimethylphenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Dimethylphthalate	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Di-n-Butylphthalate	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
4,6-Dinitro-2-methylphenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2,4-Dinitrophenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2,4-dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2,6-Dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Di-n-octylphthalate	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Fluoranthene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Fluorene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Hexachlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Hexachlorobutadiene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Hexachlorocyclopentadiene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Hexachloroethane	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Isophorone	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2-Methylnaphthalene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2-Methylphenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
3 and 4-Methylphenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Naphthalene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
3-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
4-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Nitrobenzene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
4-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
N-Nitroso-Di-n-Propylamine	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
N-Nitrosodiphenylamine	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Pentachlorophenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Phenanthrene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Phenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Pyrene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
Bis(2-ethylhexyl)phthalate	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
1,2,4-Trichlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27085
Sample ID: GW-6D
Project: 50017083

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4,5-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
2,4,6-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	9:11	Jeanmarie	8270C	4751
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	2/23/02	16:56	N. Hurt	8260B	2516
Benzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Bromobenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Bromochloromethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Bromoform	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Bromomethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
2-Butanone	ND	mg/l	0.0500	1	2/23/02	16:56	N. Hurt	8260B	2516
n-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
sec-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
t-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Carbon disulfide	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Carbon tetrachloride	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Chlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Chloroethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Chloroform	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Chloromethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
2-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
4-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	2/23/02	16:56	N. Hurt	8260B	2516
Dibromochloromethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2-Dibromoethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Dibromomethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Dichlorodifluoromethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,1-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,1-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
cis-1,2-Dichloroethene	0.0627	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
trans-1,2-Dichloroethene	0.0049	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27085
Sample ID: GW-6D
Project: 50017083
Page 4

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,3-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
2,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,1-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Ethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Hexachlorobutadiene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
2-Hexanone	ND	mg/l	0.0100	1	2/23/02	16:56	N. Hurt	8260B	2516
Isopropylbenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
4-Isopropyltoluene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	2/23/02	16:56	N. Hurt	8260B	2516
Methylene chloride	ND	mg/l	0.0050	1	2/23/02	16:56	N. Hurt	8260B	2516
Naphthalene	ND	mg/l	0.0050	1	2/23/02	16:56	N. Hurt	8260B	2516
n-Propylbenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Styrene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,1,2,2-Tetrachloroethane	0.0022	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Tetrachloroethene	0.0038	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Toluene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Trichloroethene	0.0633	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Vinyl chloride	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Xylenes (Total)	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Bromodichloromethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516
Trichlorofluoromethane	ND	mg/l	0.0020	1	2/23/02	16:56	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27085
Sample ID: GW-6D
Project: 50017083
Page 5

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	970. ml	1.0 ml	2/22/02		D. Harris	3510/625

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	112.	60. - 158.
VOA Surr Toluene-d8	105.	82. - 127.
VOA Surr, 4-BFB	105.	72. - 136.
VOA Surr, DBFM	102.	81. - 137.
BNA Surr-Nitrobenzene-d5	71.	24. - 128.
BNA Surr-2-Fluorobiphenyl	66.	33. - 118.
BNA Surr-Terphenyl-d14	85.	27. - 142.
BNA Surr-Phenol-d5	34.	1. - 72.
BNA Surr-2-Fluorophenol	47.	1. - 99.
BNA Surr-2,4,6-Tribromophenol	102.	45. - 157.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A27205
Sample ID: GW-6D
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 10:30
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	0.0280	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Barium	0.9770	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Cadmium	0.0040	mg/l	0.0010	1	2/22/02	23:50	Rob Hunt	6010B	2900
Chromium	0.0590	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Lead	0.1010	mg/l	0.0030	1	2/22/02	23:50	Rob Hunt	6010B	2900
Mercury	0.0009	mg/l	0.0002	1	2/23/02	14:30	W. Choate	7470A	2731
Selenium	0.0070	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Silver	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON 7857

13910 WEST 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A27086
Sample ID: GW-7R
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 12:30
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	2/23/02	17:23	N. Hurt	8260B	2516
Benzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Bromobenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Bromochloromethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Bromoform	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Bromomethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
2-Butanone	ND	mg/l	0.0500	1	2/23/02	17:23	N. Hurt	8260B	2516
n-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
sec-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
t-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Carbon disulfide	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Carbon tetrachloride	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Chlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Chloroethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Chloroform	0.0048	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Chloromethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
2-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
4-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	2/23/02	17:23	N. Hurt	8260B	2516
Dibromochloromethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2-Dibromoethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Dibromomethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Dichlorodifluoromethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27086
Sample ID: GW-7R
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,1-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,3-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
2,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,1-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Ethylbenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Hexachlorobutadiene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
2-Hexanone	ND	mg/l	0.0100	1	2/23/02	17:23	N. Hurt	8260B	2516
Isopropylbenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
4-Isopropyltoluene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	2/23/02	17:23	N. Hurt	8260B	2516
Methylene chloride	ND	mg/l	0.0050	1	2/23/02	17:23	N. Hurt	8260B	2516
Naphthalene	ND	mg/l	0.0050	1	2/23/02	17:23	N. Hurt	8260B	2516
n-Propylbenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Styrene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Tetrachloroethene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Toluene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Trichloroethene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Vinyl chloride	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Xylenes (Total)	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516
Bromodichloromethane	0.0028	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A27086
Sample ID: GW-7R
Project: 50017083
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	2/23/02	17:23	N. Hurt	8260B	2516

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	60. - 158.
VOA Surr Toluene-d8	105.	82. - 127.
VOA Surr, 4-BFB	102.	72. - 136.
VOA Surr, DBFM	105.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A27206
Sample ID: GW-7R
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 12:30
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Acenaphthylene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Anthracene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Benzo(a)anthracene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Benzo(a)pyrene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Benzo(b)fluoranthene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Benzo(g,h,i)perylene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Benzo(k)fluoranthene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
4-Bromophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Butylbenzylphthalate	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Carbazole	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
4-Chloro-3-methylphenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
4-Chloroaniline	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Bis(2-chloroethoxy)methane	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Bis(2-chloroethyl)ether	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Bis(2-chloroisopropyl)ether	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2-Chloronaphthalene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2-Chlorophenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
4-Chlorophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Chrysene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Dibenzofuran	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Dibenz(a,h)anthracene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
1,2-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
1,3-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A27206
Sample ID: GW-7R
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
3,3'-Dichlorobenzidine	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2,4-Dichlorophenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Diethylphthalate	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2,4-Dimethylphenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Dimethylphthalate	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Di-n-Butylphthalate	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
4,6-Dinitro-2-methylphenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2,4-Dinitrophenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2,4-dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2,6-Dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Di-n-octylphthalate	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Fluoranthene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Fluorene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Hexachlorobenzene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Hexachlorobutadiene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Hexachlorocyclopentadiene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Hexachloroethane	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Isophorone	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2-Methylnaphthalene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2-Methylphenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
3 and 4-Methylphenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Naphthalene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
3-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
4-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Nitrobenzene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
4-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
N-Nitroso-Di-n-Propylamine	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
N-Nitrosodiphenylamine	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Pentachlorophenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Phenanthrene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Phenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
Pyrene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A27206
Sample ID: GW-7R
Project: 50017083

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Bis(2-ethylhexyl)phthalate	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
1,2,4-Trichlorobenzene	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2,4,5-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
2,4,6-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	1:34	J.Saiyasak	8270C	4756
METALS									
Arsenic	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Barium	ND	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Cadmium	ND	mg/l	0.0010	1	2/22/02	23:50	Rob Hunt	6010B	2900
Chromium	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Lead	ND	mg/l	0.0030	1	2/22/02	23:50	Rob Hunt	6010B	2900
Mercury	ND	mg/l	0.0002	1	2/23/02	14:30	W. Choate	7470A	2731
Selenium	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Silver	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	990. ml	1.0 ml	2/22/02		D. Harris	3510/625

Surrogate	% Recovery	Target Range
BNA Surr-Nitrobenzene-d5	80.	24. - 128.
BNA Surr-2-Fluorobiphenyl	72.	33. - 118.
BNA Surr-Terphenyl-d14	82.	27. - 142.
BNA Surr-Phenol-d5	36.	1. - 72.
BNA Surr-2-Fluorophenol	52.	1. - 99.
BNA Surr-2,4,6-Tribromophenol	103.	45. - 157.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27206
Sample ID: GW-7R
Project: 50017083

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON 7857

13910 WEST 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A27087
Sample ID: GW-8T
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 17:45
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Acenaphthylene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Anthracene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Benzo(a)anthracene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Benzo(a)pyrene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Benzo(b)fluoranthene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Benzo(g,h,i)perylene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Benzo(k)fluoranthene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
4-Bromophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Butylbenzylphthalate	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Carbazole	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
4-Chloro-3-methylphenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
4-Chloroaniline	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Bis(2-chloroethoxy)methane	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Bis(2-chloroethyl)ether	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Bis(2-chloroisopropyl)ether	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2-Chloronaphthalene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2-Chlorophenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
4-Chlorophenyl-phenylether	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Chrysene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Dibenzofuran	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Dibenz(a,h)anthracene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
1,2-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
1,3-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
1,4-Dichlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
3,3'-Dichlorobenzidine	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27087
Sample ID: GW-8T
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4-Dichlorophenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Diethylphthalate	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2,4-Dimethylphenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Dimethylphthalate	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Di-n-Butylphthalate	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
4,6-Dinitro-2-methylphenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2,4-Dinitrophenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2,4-dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2,6-Dinitrotoluene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Di-n-octylphthalate	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Fluoranthene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Fluorene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Hexachlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Hexachlorobutadiene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Hexachlorocyclopentadiene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Hexachloroethane	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Indeno(1,2,3-cd)pyrene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Isophorone	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2-Methylnaphthalene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2-Methylphenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
3 and 4-Methylphenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Naphthalene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
3-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
4-Nitroaniline	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Nitrobenzene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
4-Nitrophenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
N-Nitroso-Di-n-Propylamine	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
N-Nitrosodiphenylamine	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Pentachlorophenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Phenanthrene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Phenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Pyrene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
Bis(2-ethylhexyl)phthalate	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
1,2,4-Trichlorobenzene	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27087
Sample ID: GW-8T
Project: 50017083

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4,5-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
2,4,6-Trichlorophenol	ND	mg/l	0.0100	1	2/24/02	9:50	Jeanmarie	8270C	4751
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	2/23/02	17:51	N. Hurt	8260B	2516
Benzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Bromobenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Bromochloromethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Bromoform	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Bromomethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
2-Butanone	ND	mg/l	0.0500	1	2/23/02	17:51	N. Hurt	8260B	2516
n-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
sec-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
t-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Carbon disulfide	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Carbon tetrachloride	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Chlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Chloroethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Chloroform	0.0045	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Chloromethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
2-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
4-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	2/23/02	17:51	N. Hurt	8260B	2516
Dibromochloromethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2-Dibromoethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Dibromomethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Dichlorodifluoromethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,1-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,1-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27087
Sample ID: GW-8T
Project: 50017083

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,3-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
2,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,1-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Ethylbenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Hexachlorobutadiene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
2-Hexanone	ND	mg/l	0.0100	1	2/23/02	17:51	N. Hurt	8260B	2516
Isopropylbenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
4-Isopropyltoluene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	2/23/02	17:51	N. Hurt	8260B	2516
Methylene chloride	ND	mg/l	0.0050	1	2/23/02	17:51	N. Hurt	8260B	2516
Naphthalene	ND	mg/l	0.0050	1	2/23/02	17:51	N. Hurt	8260B	2516
n-Propylbenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Styrene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Tetrachloroethene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Toluene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Trichloroethene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Vinyl chloride	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Xylenes (Total)	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Bromodichloromethane	0.0027	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516
Trichlorofluoromethane	ND	mg/l	0.0020	1	2/23/02	17:51	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27087
Sample ID: GW-8T
Project: 50017083

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	980. ml	1.0 ml	2/22/02		D. Harris	3510/625

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	113.	60. - 158.
VOA Surr Toluene-d8	105.	82. - 127.
VOA Surr, 4-BFB	100.	72. - 136.
VOA Surr, DBFM	103.	81. - 137.
BNA Surr-Nitrobenzene-d5	70.	24. - 128.
BNA Surr-2-Fluorobiphenyl	67.	33. - 118.
BNA Surr-Terphenyl-d14	75.	27. - 142.
BNA Surr-Phenol-d5	33.	1. - 72.
BNA Surr-2-Fluorophenol	47.	1. - 99.
BNA Surr-2,4,6-Tribromophenol	90.	45. - 157.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE RAGLAND

Lab Number: 02-A27207
Sample ID: GW-8T
Sample Type: Ground water
Site ID:

Date Collected: 2/20/02
Time Collected: 17:45
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Barium	ND	mg/l	0.0100	1	2/22/02	23:50	Rob Hunt	6010B	2900
Cadmium	ND	mg/l	0.0010	1	2/22/02	23:50	Rob Hunt	6010B	2900
Chromium	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Lead	ND	mg/l	0.0030	1	2/22/02	23:50	Rob Hunt	6010B	2900
Mercury	ND	mg/l	0.0002	1	2/23/02	14:30	W. Choate	7470A	2731
Selenium	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900
Silver	ND	mg/l	0.0050	1	2/22/02	23:50	Rob Hunt	6010B	2900

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON 7857

13910 WEST 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A27088
Sample ID: TRIP BLANK
Sample Type: Ground water
Site ID:

Date Collected:
Time Collected:
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	2/23/02	15:34	N. Hurt	8260B	2516
Benzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Bromobenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Bromochloromethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Bromoform	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Bromomethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
2-Butanone	ND	mg/l	0.0500	1	2/23/02	15:34	N. Hurt	8260B	2516
n-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
sec-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
t-Butylbenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Carbon disulfide	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Carbon tetrachloride	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Chlorobenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Chloroethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Chloroform	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Chloromethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
2-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
4-Chlorotoluene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	2/23/02	15:34	N. Hurt	8260B	2516
Dibromochloromethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2-Dibromoethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Dibromomethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Dichlorodifluoromethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27088
Sample ID: TRIP BLANK
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2-Dichloroethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,1-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,3-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
2,2-Dichloropropane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,1-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Ethylbenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Hexachlorobutadiene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
2-Hexanone	ND	mg/l	0.0100	1	2/23/02	15:34	N. Hurt	8260B	2516
Isopropylbenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
4-Isopropyltoluene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	2/23/02	15:34	N. Hurt	8260B	2516
Methylene chloride	ND	mg/l	0.0050	1	2/23/02	15:34	N. Hurt	8260B	2516
Naphthalene	ND	mg/l	0.0050	1	2/23/02	15:34	N. Hurt	8260B	2516
n-Propylbenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Styrene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Tetrachloroethene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Toluene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Trichloroethene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Vinyl chloride	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Xylenes (Total)	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516
Bromodichloromethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A27088
Sample ID: TRIP BLANK
Project: 50017083
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	2/23/02	15:34	N. Hurt	8260B	2516

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	60. - 158.
VOA Surr Toluene-d8	104.	82. - 127.
VOA Surr, 4-BFB	106.	72. - 136.
VOA Surr, DBFM	102.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sampl
VOA PARAMETERS								
Benzene	mg/l	< 0.00070	0.04970	0.05000	99	70. - 136.	2516	blank
Chlorobenzene	mg/l	< 0.00070	0.04930	0.05000	99	70. - 132.	2516	blank
1,1-Dichloroethene	mg/l	< 0.00080	0.04740	0.05000	95	60. - 145.	2516	blank
Toluene	mg/l	< 0.00070	0.05060	0.05000	101	69. - 137.	2516	blank
Trichloroethene	mg/l	< 0.00090	0.05120	0.05000	102	63. - 149.	2516	blank
Tetrachloroethene	mg/l	< 0.00080	0.05190	0.05000	104	60. - 140.	2516	blank
VOA Surr 1,2-DCA-d4	% Rec				95	60. - 158.	2516	
VOA Surr Toluene-d8	% Rec				98	82. - 127.	2516	
VOA Surr, 4-BFB	% Rec				96	72. - 136.	2516	
VOA Surr, DBFM	% Rec				100	81. - 137.	2516	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sampl
EXTRACTABLE PARAMETERS								
Acenaphthene	mg/l	< 0.0010	0.0360	0.0500	72	24. - 117.	4751	blank
Acenaphthylene	mg/l	< 0.0010	0.0340	0.0500	68	26. - 117.	4751	blank
Anthracene	mg/l	< 0.0010	0.0390	0.0500	78	25. - 130.	4751	blank
Benzo(a)anthracene	mg/l	< 0.0010	0.0400	0.0500	80	25. - 129.	4751	blank
Benzo(a)pyrene	mg/l	< 0.0010	0.0400	0.0500	80	23. - 133.	4751	blank
Benzo(b)fluoranthene	mg/l	< 0.0010	0.0380	0.0500	76	25. - 128.	4751	blank
Benzo(g,h,i)perylene	mg/l	< 0.0020	0.0540	0.0500	108	0. - 146.	4751	blank
Benzo(k)fluoranthene	mg/l	< 0.0010	0.0400	0.0500	80	25. - 139.	4751	blank
4-Bromophenyl-phenylether	mg/l	< 0.0010	0.0410	0.0500	82	27. - 121.	4751	blank
Butylbenzylphthalate	mg/l	< 0.0010	0.0440	0.0500	88	22. - 138.	4751	blank
Carbazole	mg/l	< 0.0010	0.0430	0.0500	86	23. - 134.	4751	blank
4-Chloro-3-methylphenol	mg/l	< 0.0010	0.0410	0.0500	82	28. - 122.	4751	blank

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 2

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
4-Chloroaniline	mg/l	< 0.0020	0.0340	0.0500	68	25. - 123.	4751	blank
Bis(2-chloroethoxy)methane	mg/l	< 0.0010	0.0350	0.0500	70	25. - 117.	4751	blank
Bis(2-chloroethyl)ether	mg/l	< 0.0010	0.0330	0.0500	66	18. - 123.	4751	blank
Bis(2-chloroisopropyl)ether	mg/l	< 0.0010	0.0310	0.0500	62	23. - 111.	4751	blank
2-Chloronaphthalene	mg/l	< 0.0010	0.0340	0.0500	68	22. - 108.	4751	blank
2-Chlorophenol	mg/l	< 0.0010	0.0320	0.0500	64	20. - 115.	4751	blank
4-Chlorophenyl-phenylether	mg/l	< 0.0010	0.0400	0.0500	80	26. - 119.	4751	blank
Chrysene	mg/l	< 0.0010	0.0380	0.0500	76	25. - 132.	4751	blank
Dibenzofuran	mg/l	< 0.0010	0.0370	0.0500	74	26. - 115.	4751	blank
Dibenz(a,h)anthracene	mg/l	< 0.0020	0.0520	0.0500	104	6. - 134.	4751	blank
1,2-Dichlorobenzene	mg/l	< 0.0010	0.0290	0.0500	58	15. - 102.	4751	blank
1,3-Dichlorobenzene	mg/l	< 0.0010	0.0260	0.0500	52	15. - 97.	4751	blank
1,4-Dichlorobenzene	mg/l	< 0.0010	0.0280	0.0500	56	13. - 103.	4751	blank
3,3'-Dichlorobenzidine	mg/l	< 0.0020	0.0580	0.0500	116	13. - 134.	4751	blank
2,4-Dichlorophenol	mg/l	< 0.0010	0.0350	0.0500	70	18. - 121.	4751	blank
Diethylphthalate	mg/l	< 0.0010	0.0440	0.0500	88	27. - 130.	4751	blank
2,4-Dimethylphenol	mg/l	< 0.0020	0.0320	0.0500	64	1. - 130.	4751	blank
Dimethylphthalate	mg/l	< 0.0010	0.0420	0.0500	84	26. - 126.	4751	blank
Di-n-Butylphthalate	mg/l	< 0.0010	0.0450	0.0500	90	27. - 137.	4751	blank
4,6-Dinitro-2-methylphenol	mg/l	< 0.0020	0.0440	0.0500	88	14. - 141.	4751	blank
2,4-Dinitrophenol	mg/l	< 0.0020	0.0390	0.0500	78	7. - 137.	4751	blank
2,4-dinitrotoluene	mg/l	< 0.0010	0.0420	0.0500	84	25. - 129.	4751	blank
2,6-Dinitrotoluene	mg/l	< 0.0100	0.0420	0.0500	84	24. - 129.	4751	blank
Di-n-octylphthalate	mg/l	< 0.0040	0.0450	0.0500	90	13. - 170.	4751	blank
Fluoranthene	mg/l	< 0.0010	0.0410	0.0500	82	24. - 135.	4751	blank
Fluorene	mg/l	< 0.0010	0.0390	0.0500	78	26. - 124.	4751	blank
Hexachlorobenzene	mg/l	< 0.0010	0.0430	0.0500	86	23. - 128.	4751	blank
Hexachlorobutadiene	mg/l	< 0.0010	0.0290	0.0500	58	11. - 103.	4751	blank
Hexachlorocyclopentadiene	mg/l	< 0.0020	0.0220	0.0500	44	4. - 96.	4751	blank
Hexachloroethane	mg/l	< 0.0050	0.0290	0.0500	58	14. - 100.	4751	blank
Indeno(1,2,3-cd)pyrene	mg/l	< 0.0020	0.0530	0.0500	106	1. - 139.	4751	blank
Isophorone	mg/l	< 0.0010	0.0370	0.0500	74	18. - 123.	4751	blank
2-Methylnaphthalene	mg/l	< 0.0010	0.0330	0.0500	66	22. - 104.	4751	blank

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 3

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
2-Methylphenol	mg/l	< 0.0010	0.0300	0.0500	60	20. - 109.	4751	blank
3 and 4-Methylphenol	mg/l	< 0.0050	0.0290	0.0500	58	24. - 108.	4751	blank
Naphthalene	mg/l	< 0.0010	0.0290	0.0500	58	20. - 106.	4751	blank
2-Nitroaniline	mg/l	< 0.0010	0.0380	0.0500	76	22. - 136.	4751	blank
3-Nitroaniline	mg/l	< 0.0010	0.0400	0.0500	80	23. - 139.	4751	blank
4-Nitroaniline	mg/l	< 0.0010	0.0440	0.0500	88	23. - 133.	4751	blank
Nitrobenzene	mg/l	< 0.0020	0.0360	0.0500	72	21. - 113.	4751	blank
2-Nitrophenol	mg/l	< 0.0010	0.0310	0.0500	62	20. - 122.	4751	blank
4-Nitrophenol	mg/l	< 0.0020	0.0240	0.0500	48	1. - 114.	4751	blank
N-Nitroso-Di-n-Propylamine	mg/l	< 0.0010	0.0390	0.0500	78	29. - 120.	4751	blank
N-Nitrosodiphenylamine	mg/l	< 0.0010	0.0390	0.0500	78	25. - 128.	4751	blank
Pentachlorophenol	mg/l	< 0.0020	0.0430	0.0500	86	16. - 129.	4751	blank
Phenanthrene	mg/l	< 0.0010	0.0400	0.0500	80	25. - 128.	4751	blank
Phenol	mg/l	< 0.0010	0.0180	0.0500	36	1. - 131.	4751	blank
Pyrene	mg/l	< 0.0010	0.0400	0.0500	80	24. - 128.	4751	blank
Bis(2-ethylhexyl)phthalate	mg/l	< 0.0020	0.0450	0.0500	90	19. - 148.	4751	blank
1,2,4-Trichlorobenzene	mg/l	< 0.0010	0.0290	0.0500	58	32. - 114.	4751	blank
2,4,5-Trichlorophenol	mg/l	< 0.0010	0.0380	0.0500	76	22. - 126.	4751	blank
2,4,6-Trichlorophenol	mg/l	< 0.0020	0.0380	0.0500	76	17. - 130.	4751	blank
BNA Surr-Nitrobenzene-d5	% Rec				70	24. - 128.	4751	
BNA Surr-2-Fluorobiphenyl	% Rec				66	33. - 118.	4751	
BNA Surr-Terphenyl-d14	% Rec				78	27. - 142.	4751	
BNA Surr-Phenol-d5	% Rec				36	1. - 72.	4751	
BNA Surr-2-Fluorophenol	% Rec				49	1. - 99.	4751	
BNA Surr-2,4,6-Tribromopheno	% Rec				102	45. - 157.	4751	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch

VOA PARAMETERS

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 4

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Benzene	mg/l	0.04970	0.04940	0.61	21.	2516
Chlorobenzene	mg/l	0.04930	0.05190	5.14	25.	2516
1,1-Dichloroethene	mg/l	0.04740	0.04750	0.21	26.	2516
Toluene	mg/l	0.05060	0.04740	6.53	22.	2516
Trichloroethene	mg/l	0.05120	0.05290	3.27	28.	2516
Tetrachloroethene	mg/l	0.05190	0.05030	3.13	24.	2516
VOA Surr 1,2-DCA-d4	% Rec		94.			2516
VOA Surr Toluene-d8	% Rec		101.			2516
VOA Surr, 4-BFB	% Rec		101.			2516
VOA Surr, DBFM	% Rec		98.			2516

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.0360	0.0380	5.41	34.	4751
4-Chloro-3-methylphenol	mg/l	0.0410	0.0460	11.49	32.	4751
2-Chlorophenol	mg/l	0.0320	0.0340	6.06	39.	4751
1,4-Dichlorobenzene	mg/l	0.0280	0.0300	6.90	41.	4751
2,4-dinitrotoluene	mg/l	0.0420	0.0450	6.90	35.	4751
2-Methylnaphthalene	mg/l	0.0330	0.0370	11.43	41.	4751
Naphthalene	mg/l	0.0290	0.0320	9.84	38.	4751
4-Nitrophenol	mg/l	0.0240	0.0220	8.70	45.	4751
N-Nitroso-Di-n-Propylamine	mg/l	0.0390	0.0430	9.76	40.	4751
Pentachlorophenol	mg/l	0.0430	0.0450	4.55	46.	4751
Phenol	mg/l	0.0180	0.0190	5.41	46.	4751
Pyrene	mg/l	0.0400	0.0410	2.47	33.	4751
1,2,4-Trichlorobenzene	mg/l	0.0290	0.0320	9.84	42.	4751

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 5

BNA Surr-Nitrobenzene-d5	% Rec	78.	4751
BNA Surr-2-Fluorobiphenyl	% Rec	77.	4751
BNA Surr-Terphenyl-d14	% Rec	79.	4751
BNA Surr-Phenol-d5	% Rec	37.	4751
BNA Surr-2-Fluorophenol	% Rec	52.	4751
BNA Surr-2,4,6-Tribromophenol	% Rec	108.	4751

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Acetone	mg/l	0.2500	0.3140	126	54 - 153	2516
Benzene	mg/l	0.05000	0.05040	101	79 - 124	2516
Bromobenzene	mg/l	0.05000	0.04840	97	76 - 122	2516
Bromochloromethane	mg/l	0.05000	0.05690	114	71 - 134	2516
Bromoform	mg/l	0.05000	0.05470	109	66 - 124	2516
Bromomethane	mg/l	0.05000	0.04990	100	51 - 145	2516
2-Butanone	mg/l	0.2500	0.3350	134	62 - 134	2516
n-Butylbenzene	mg/l	0.05000	0.04740	95	61 - 136	2516
sec-Butylbenzene	mg/l	0.05000	0.04530	91	69 - 130	2516
t-Butylbenzene	mg/l	0.05000	0.04760	95	66 - 129	2516
Carbon disulfide	mg/l	0.05000	0.05190	104	71 - 129	2516
Carbon tetrachloride	mg/l	0.05000	0.04890	98	70 - 130	2516
Chlorobenzene	mg/l	0.05000	0.05060	101	80 - 118	2516
Chloroethane	mg/l	0.05000	0.04650	93	59 - 144	2516
Chloroform	mg/l	0.05000	0.04740	95	74 - 123	2516
Chloromethane	mg/l	0.05000	0.04160	83	47 - 155	2516
2-Chlorotoluene	mg/l	0.05000	0.04460	89	74 - 126	2516
4-Chlorotoluene	mg/l	0.05000	0.04690	94	75 - 125	2516
1,2-Dibromo-3-chloropropane	mg/l	0.05000	0.04900	98	58 - 133	2516
Dibromochloromethane	mg/l	0.05000	0.05270	105	73 - 125	2516
1,2-Dibromoethane	mg/l	0.05000	0.05380	108	74 - 125	2516
Dibromomethane	mg/l	0.05000	0.05450	109	71 - 130	2516
1,2-Dichlorobenzene	mg/l	0.05000	0.04840	97	76 - 122	2516
1,3-Dichlorobenzene	mg/l	0.05000	0.04800	96	75 - 122	2516
1,4-Dichlorobenzene	mg/l	0.05000	0.04820	96	76 - 119	2516

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Dichlorodifluoromethane	mg/l	0.05000	0.04510	90	53 - 151	2516
1,1-Dichloroethane	mg/l	0.05000	0.05000	100	76 - 127	2516
1,2-Dichloroethane	mg/l	0.05000	0.05180	104	66 - 133	2516
1,1-Dichloroethene	mg/l	0.05000	0.04780	96	72 - 127	2516
cis-1,2-Dichloroethene	mg/l	0.05000	0.04790	96	74 - 127	2516
trans-1,2-Dichloroethene	mg/l	0.05000	0.05020	100	70 - 132	2516
1,2-Dichloropropane	mg/l	0.05000	0.05200	104	76 - 124	2516
1,3-Dichloropropane	mg/l	0.05000	0.05350	107	72 - 129	2516
2,2-Dichloropropane	mg/l	0.05000	0.03740	75	33 - 152	2516
1,1-Dichloropropene	mg/l	0.05000	0.04980	100	73 - 127	2516
cis-1,3-Dichloropropene	mg/l	0.05000	0.04990	100	58 - 131	2516
trans-1,3-Dichloropropene	mg/l	0.05000	0.04770	95	53 - 133	2516
Ethylbenzene	mg/l	0.05000	0.05190	104	77 - 126	2516
Hexachlorobutadiene	mg/l	0.05000	0.04370	87	52 - 139	2516
2-Hexanone	mg/l	0.2500	0.2950	118	61 - 136	2516
Isopropylbenzene	mg/l	0.05000	0.04760	95	74 - 127	2516
4-Isopropyltoluene	mg/l	0.05000	0.04850	97	69 - 113	2516
4-Methyl-2-pentanone	mg/l	0.2500	0.2880	115	63 - 135	2516
Methylene chloride	mg/l	0.05000	0.05400	108	70 - 130	2516
Naphthalene	mg/l	0.05000	0.04830	97	57 - 143	2516
n-Propylbenzene	mg/l	0.05000	0.04820	96	71 - 130	2516
Styrene	mg/l	0.05000	0.05140	103	77 - 122	2516
1,1,1,2-Tetrachloroethane	mg/l	0.05000	0.05350	107	71 - 130	2516
1,1,2,2-Tetrachloroethane	mg/l	0.05000	0.05350	107	57 - 136	2516
Tetrachloroethene	mg/l	0.05000	0.05240	105	72 - 126	2516
Toluene	mg/l	0.05000	0.04860	97	78 - 124	2516
1,2,3-Trichlorobenzene	mg/l	0.05000	0.04720	94	58 - 139	2516
1,2,4-Trichlorobenzene	mg/l	0.05000	0.04590	92	60 - 132	2516
1,1,1-Trichloroethane	mg/l	0.05000	0.04720	94	70 - 130	2516
1,1,2-Trichloroethane	mg/l	0.05000	0.05650	113	75 - 124	2516
Trichloroethene	mg/l	0.05000	0.05550	111	70 - 136	2516
1,2,3-Trichloropropane	mg/l	0.05000	0.05220	104	63 - 132	2516
1,2,4-Trimethylbenzene	mg/l	0.05000	0.04730	95	73 - 127	2516

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 7

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,3,5-Trimethylbenzene	mg/l	0.05000	0.04730	95	72 - 128	2516
Vinyl chloride	mg/l	0.05000	0.04880	98	62 - 144	2516
Xylenes (Total)	mg/l	0.1500	0.1514	101	76 - 127	2516
Bromodichloromethane	mg/l	0.05000	0.04800	96	69 - 130	2516
Trichlorofluoromethane	mg/l	0.05000	0.04450	89	64 - 136	2516
VOA Surr 1,2-DCA-d4	% Rec			90	60 - 158	2516
VOA Surr Toluene-d8	% Rec			102	82 - 127	2516
VOA Surr, 4-BFB	% Rec			96	72 - 136	2516
VOA Surr, DBFM	% Rec			101	81 - 137	2516

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.0500	0.0330	66	24 - 117	4751
Acenaphthylene	mg/l	0.0500	0.0330	66	26 - 117	4751
Anthracene	mg/l	0.0500	0.0450	90	25 - 128	4751
Benzo(a)anthracene	mg/l	0.0500	0.0490	98	26 - 127	4751
Benzo(a)pyrene	mg/l	0.0500	0.0480	96	23 - 133	4751
Benzo(b)fluoranthene	mg/l	0.0500	0.0470	94	26 - 125	4751
Benzo(g,h,i)perylene	mg/l	0.0500	0.0650	130	2 - 145	4751
Benzo(k)fluoranthene	mg/l	0.0500	0.0470	94	25 - 138	4751
4-Bromophenyl-phenylether	mg/l	0.0500	0.0460	92	27 - 121	4751
Butylbenzylphthalate	mg/l	0.0500	0.0540	108	24 - 138	4751
Carbazole	mg/l	0.0500	0.0480	96	26 - 133	4751
4-Chloro-3-methylphenol	mg/l	0.0500	0.0400	80	28 - 122	4751
4-Chloroaniline	mg/l	0.0500	0.0290	58	25 - 123	4751
Bis(2-chloroethoxy)methane	mg/l	0.0500	0.0300	60	25 - 117	4751
Bis(2-chloroethyl)ether	mg/l	0.0500	0.0290	58	18 - 123	4751
Bis(2-chloroisopropyl)ether	mg/l	0.0500	0.0270	54	23 - 111	4751
2-Chloronaphthalene	mg/l	0.0500	0.0300	60	22 - 108	4751

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
2-Chlorophenol	mg/l	0.0500	0.0260	52	20 - 115	4751
4-Chlorophenyl-phenylether	mg/l	0.0500	0.0410	82	26 - 119	4751
Chrysene	mg/l	0.0500	0.0480	96	26 - 131	4751
Dibenzofuran	mg/l	0.0500	0.0380	76	26 - 115	4751
Dibenz(a,h)anthracene	mg/l	0.0500	0.0620	124	7 - 134	4751
1,2-Dichlorobenzene	mg/l	0.0500	0.0250	50	15 - 102	4751
1,3-Dichlorobenzene	mg/l	0.0500	0.0220	44	15 - 97	4751
1,4-Dichlorobenzene	mg/l	0.0500	0.0240	48	13 - 103	4751
3,3'-Dichlorobenzidine	mg/l	0.0500	0.0690	138 #	13 - 134	4751
2,4-Dichlorophenol	mg/l	0.0500	0.0300	60	18 - 121	4751
Diethylphthalate	mg/l	0.0500	0.0470	94	30 - 128	4751
2,4-Dimethylphenol	mg/l	0.0500	0.0280	56	1 - 130	4751
Dimethylphthalate	mg/l	0.0500	0.0450	90	26 - 126	4751
Di-n-Butylphthalate	mg/l	0.0500	0.0520	104	30 - 135	4751
4,6-Dinitro-2-methylphenol	mg/l	0.0500	0.0520	104	14 - 141	4751
2,4-Dinitrophenol	mg/l	0.0500	0.0440	88	9 - 135	4751
2,4-dinitrotoluene	mg/l	0.0500	0.0520	104	25 - 130	4751
2,6-Dinitrotoluene	mg/l	0.0500	0.0480	96	24 - 129	4751
Di-n-octylphthalate	mg/l	0.0500	0.0550	110	14 - 163	4751
Fluoranthene	mg/l	0.0500	0.0480	96	26 - 133	4751
Fluorene	mg/l	0.0500	0.0410	82	26 - 124	4751
Hexachlorobenzene	mg/l	0.0500	0.0480	96	23 - 128	4751
Hexachlorobutadiene	mg/l	0.0500	0.0230	46	11 - 103	4751
Hexachlorocyclopentadiene	mg/l	0.0500	0.0190	38	4 - 96	4751
Hexachloroethane	mg/l	0.0500	0.0250	50	14 - 100	4751
Indeno(1,2,3-cd)pyrene	mg/l	0.0500	0.0600	120	2 - 138	4751
Isophorone	mg/l	0.0500	0.0310	62	24 - 119	4751
2-Methylnaphthalene	mg/l	0.0500	0.0280	56	22 - 104	4751
2-Methylphenol	mg/l	0.0500	0.0250	50	20 - 109	4751
3 and 4-Methylphenol	mg/l	0.0500	0.0230	46	16 - 108	4751
Naphthalene	mg/l	0.0500	0.0250	50	20 - 106	4751
2-Nitroaniline	mg/l	0.0500	0.0430	86	22 - 136	4751
3-Nitroaniline	mg/l	0.0500	0.0450	90	23 - 139	4751

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
4-Nitroaniline	mg/l	0.0500	0.0520	104	23 - 138	4751
Nitrobenzene	mg/l	0.0500	0.0310	62	21 - 113	4751
2-Nitrophenol	mg/l	0.0500	0.0280	56	20 - 122	4751
4-Nitrophenol	mg/l	0.0500	0.0220	44	1 - 114	4751
N-Nitroso-Di-n-Propylamine	mg/l	0.0500	0.0340	68	29 - 120	4751
N-Nitrosodiphenylamine	mg/l	0.0500	0.0450	90	25 - 128	4751
Pentachlorophenol	mg/l	0.0500	0.0500	100	16 - 129	4751
Phenanthrene	mg/l	0.0500	0.0460	92	25 - 128	4751
Phenol	mg/l	0.0500	0.0120	24	1 - 131	4751
Pyrene	mg/l	0.0500	0.0470	94	24 - 127	4751
Bis(2-ethylhexyl)phthalate	mg/l	0.0500	0.0540	108	19 - 147	4751
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0240	48	33 - 117	4751
2,4,5-Trichlorophenol	mg/l	0.0500	0.0380	76	22 - 126	4751
2,4,6-Trichlorophenol	mg/l	0.0500	0.0370	74	17 - 130	4751
BNA Surr-Nitrobenzene-d5	% Rec			62	24 - 128	4751
BNA Surr-2-Fluorobiphenyl	% Rec			62	33 - 118	4751
BNA Surr-Terphenyl-d14	% Rec			96	27 - 142	4751
BNA Surr-Phenol-d5	% Rec			25	1 - 72	4751
BNA Surr-2-Fluorophenol	% Rec			35	1 - 99	4751
BNA Surr-2,4,6-Tribromophenol	% Rec			121	45 - 157	4751

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Acetone	< 0.00840	mg/l	2516	2/23/02	10:25
Benzene	< 0.00070	mg/l	2516	2/23/02	10:25
Bromobenzene	< 0.00070	mg/l	2516	2/23/02	10:25
Bromochloromethane	< 0.00060	mg/l	2516	2/23/02	10:25
Bromoform	< 0.00070	mg/l	2516	2/23/02	10:25
Bromomethane	< 0.00080	mg/l	2516	2/23/02	10:25

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
2-Butanone	< 0.00390	mg/l	2516	2/23/02	10:25
n-Butylbenzene	< 0.00070	mg/l	2516	2/23/02	10:25
sec-Butylbenzene	< 0.00080	mg/l	2516	2/23/02	10:25
t-Butylbenzene	< 0.00090	mg/l	2516	2/23/02	10:25
Carbon disulfide	< 0.00080	mg/l	2516	2/23/02	10:25
Carbon tetrachloride	< 0.00070	mg/l	2516	2/23/02	10:25
Chlorobenzene	< 0.00070	mg/l	2516	2/23/02	10:25
Chloroethane	< 0.00090	mg/l	2516	2/23/02	10:25
Chloroform	< 0.00060	mg/l	2516	2/23/02	10:25
Chloromethane	< 0.00050	mg/l	2516	2/23/02	10:25
2-Chlorotoluene	< 0.00070	mg/l	2516	2/23/02	10:25
4-Chlorotoluene	< 0.00060	mg/l	2516	2/23/02	10:25
1,2-Dibromo-3-chloropropane	< 0.00310	mg/l	2516	2/23/02	10:25
Dibromochloromethane	< 0.00040	mg/l	2516	2/23/02	10:25
1,2-Dibromoethane	< 0.00050	mg/l	2516	2/23/02	10:25
Dibromomethane	< 0.00040	mg/l	2516	2/23/02	10:25
1,2-Dichlorobenzene	< 0.00050	mg/l	2516	2/23/02	10:25
1,3-Dichlorobenzene	< 0.00060	mg/l	2516	2/23/02	10:25
1,4-Dichlorobenzene	< 0.00050	mg/l	2516	2/23/02	10:25
Dichlorodifluoromethane	< 0.00040	mg/l	2516	2/23/02	10:25
1,1-Dichloroethane	< 0.00080	mg/l	2516	2/23/02	10:25
1,2-Dichloroethane	< 0.00090	mg/l	2516	2/23/02	10:25
1,1-Dichloroethene	< 0.00080	mg/l	2516	2/23/02	10:25
cis-1,2-Dichloroethene	< 0.00070	mg/l	2516	2/23/02	10:25
trans-1,2-Dichloroethene	< 0.00080	mg/l	2516	2/23/02	10:25
1,2-Dichloropropane	< 0.00060	mg/l	2516	2/23/02	10:25
1,3-Dichloropropane	< 0.00060	mg/l	2516	2/23/02	10:25
2,2-Dichloropropane	< 0.00090	mg/l	2516	2/23/02	10:25
1,1-Dichloropropene	< 0.00070	mg/l	2516	2/23/02	10:25
cis-1,3-Dichloropropene	< 0.00070	mg/l	2516	2/23/02	10:25
trans-1,3-Dichloropropene	< 0.00050	mg/l	2516	2/23/02	10:25
Ethylbenzene	< 0.00070	mg/l	2516	2/23/02	10:25
Hexachlorobutadiene	< 0.00080	mg/l	2516	2/23/02	10:25

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
2-Hexanone	< 0.00280	mg/l	2516	2/23/02	10:25
Isopropylbenzene	< 0.00080	mg/l	2516	2/23/02	10:25
4-Isopropyltoluene	< 0.00080	mg/l	2516	2/23/02	10:25
4-Methyl-2-pentanone	< 0.00460	mg/l	2516	2/23/02	10:25
Methylene chloride	< 0.00150	mg/l	2516	2/23/02	10:25
Naphthalene	< 0.00190	mg/l	2516	2/23/02	10:25
n-Propylbenzene	< 0.00080	mg/l	2516	2/23/02	10:25
Styrene	< 0.00090	mg/l	2516	2/23/02	10:25
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	2516	2/23/02	10:25
1,1,2,2-Tetrachloroethane	< 0.00050	mg/l	2516	2/23/02	10:25
Tetrachloroethene	< 0.00080	mg/l	2516	2/23/02	10:25
Toluene	< 0.00070	mg/l	2516	2/23/02	10:25
1,2,3-Trichlorobenzene	< 0.00060	mg/l	2516	2/23/02	10:25
1,2,4-Trichlorobenzene	< 0.00090	mg/l	2516	2/23/02	10:25
1,1,1-Trichloroethane	< 0.00070	mg/l	2516	2/23/02	10:25
1,1,2-Trichloroethane	< 0.00050	mg/l	2516	2/23/02	10:25
Trichloroethene	< 0.00090	mg/l	2516	2/23/02	10:25
1,2,3-Trichloropropane	< 0.00040	mg/l	2516	2/23/02	10:25
1,2,4-Trimethylbenzene	< 0.00060	mg/l	2516	2/23/02	10:25
1,3,5-Trimethylbenzene	< 0.00080	mg/l	2516	2/23/02	10:25
Vinyl chloride	< 0.00050	mg/l	2516	2/23/02	10:25
Xylenes (Total)	< 0.00090	mg/l	2516	2/23/02	10:25
Bromodichloromethane	< 0.00080	mg/l	2516	2/23/02	10:25
Trichlorofluoromethane	< 0.00070	mg/l	2516	2/23/02	10:25
VOA Surr 1,2-DCA-d4	102.	% Rec	2516	2/23/02	10:25
VOA Surr Toluene-d8	106.	% Rec	2516	2/23/02	10:25
VOA Surr, 4-BFB	97.	% Rec	2516	2/23/02	10:25
VOA Surr, DBFM	100.	% Rec	2516	2/23/02	10:25

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 12

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EXTRACTABLE PARAMETERS					
Acenaphthene	< 0.0010	mg/l	4751	2/23/02	19:30
Acenaphthylene	< 0.0010	mg/l	4751	2/23/02	19:30
Anthracene	< 0.0010	mg/l	4751	2/23/02	19:30
Benzo(a)anthracene	< 0.0010	mg/l	4751	2/23/02	19:30
Benzo(a)pyrene	< 0.0010	mg/l	4751	2/23/02	19:30
Benzo(b)fluoranthene	< 0.0010	mg/l	4751	2/23/02	19:30
Benzo(g,h,i)perylene	< 0.0020	mg/l	4751	2/23/02	19:30
Benzo(k)fluoranthene	< 0.0010	mg/l	4751	2/23/02	19:30
4-Bromophenyl-phenylether	< 0.0010	mg/l	4751	2/23/02	19:30
Butylbenzylphthalate	< 0.0010	mg/l	4751	2/23/02	19:30
Carbazole	< 0.0010	mg/l	4751	2/23/02	19:30
4-Chloro-3-methylphenol	< 0.0010	mg/l	4751	2/23/02	19:30
4-Chloroaniline	< 0.0020	mg/l	4751	2/23/02	19:30
Bis(2-chloroethoxy)methane	< 0.0010	mg/l	4751	2/23/02	19:30
Bis(2-chloroethyl)ether	< 0.0010	mg/l	4751	2/23/02	19:30
Bis(2-chloroisopropyl)ether	< 0.0010	mg/l	4751	2/23/02	19:30
2-Chloronaphthalene	< 0.0010	mg/l	4751	2/23/02	19:30
2-Chlorophenol	< 0.0010	mg/l	4751	2/23/02	19:30
4-Chlorophenyl-phenylether	< 0.0010	mg/l	4751	2/23/02	19:30
Chrysene	< 0.0010	mg/l	4751	2/23/02	19:30
Dibenzofuran	< 0.0010	mg/l	4751	2/23/02	19:30
Dibenz(a,h)anthracene	< 0.0020	mg/l	4751	2/23/02	19:30
1,2-Dichlorobenzene	< 0.0010	mg/l	4751	2/23/02	19:30
1,3-Dichlorobenzene	< 0.0010	mg/l	4751	2/23/02	19:30
1,4-Dichlorobenzene	< 0.0010	mg/l	4751	2/23/02	19:30
3,3'-Dichlorobenzidine	< 0.0020	mg/l	4751	2/23/02	19:30
2,4-Dichlorophenol	< 0.0010	mg/l	4751	2/23/02	19:30
Diethylphthalate	< 0.0010	mg/l	4751	2/23/02	19:30
2,4-Dimethylphenol	< 0.0020	mg/l	4751	2/23/02	19:30
Dimethylphthalate	< 0.0010	mg/l	4751	2/23/02	19:30
Di-n-Butylphthalate	< 0.0010	mg/l	4751	2/23/02	19:30

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 13

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
4,6-Dinitro-2-methylphenol	< 0.0020	mg/l	4751	2/23/02	19:30
2,4-Dinitrophenol	< 0.0020	mg/l	4751	2/23/02	19:30
2,4-dinitrotoluene	< 0.0010	mg/l	4751	2/23/02	19:30
2,6-Dinitrotoluene	< 0.0100	mg/l	4751	2/23/02	19:30
Di-n-octylphthalate	< 0.0040	mg/l	4751	2/23/02	19:30
Fluoranthene	< 0.0010	mg/l	4751	2/23/02	19:30
Fluorene	< 0.0010	mg/l	4751	2/23/02	19:30
Hexachlorobenzene	< 0.0010	mg/l	4751	2/23/02	19:30
Hexachlorobutadiene	< 0.0010	mg/l	4751	2/23/02	19:30
Hexachlorocyclopentadiene	< 0.0020	mg/l	4751	2/23/02	19:30
Hexachloroethane	< 0.0050	mg/l	4751	2/23/02	19:30
Indeno(1,2,3-cd)pyrene	< 0.0020	mg/l	4751	2/23/02	19:30
Isophorone	< 0.0010	mg/l	4751	2/23/02	19:30
2-Methylnaphthalene	< 0.0010	mg/l	4751	2/23/02	19:30
2-Methylphenol	< 0.0010	mg/l	4751	2/23/02	19:30
3 and 4-Methylphenol	< 0.0050	mg/l	4751	2/23/02	19:30
Naphthalene	< 0.0010	mg/l	4751	2/23/02	19:30
2-Nitroaniline	< 0.0010	mg/l	4751	2/23/02	19:30
3-Nitroaniline	< 0.0010	mg/l	4751	2/23/02	19:30
4-Nitroaniline	< 0.0010	mg/l	4751	2/23/02	19:30
Nitrobenzene	< 0.0020	mg/l	4751	2/23/02	19:30
2-Nitrophenol	< 0.0010	mg/l	4751	2/23/02	19:30
4-Nitrophenol	< 0.0020	mg/l	4751	2/23/02	19:30
N-Nitroso-Di-n-Propylamine	< 0.0010	mg/l	4751	2/23/02	19:30
N-Nitrosodiphenylamine	< 0.0010	mg/l	4751	2/23/02	19:30
Pentachlorophenol	< 0.0020	mg/l	4751	2/23/02	19:30
Phenanthrene	< 0.0010	mg/l	4751	2/23/02	19:30
Phenol	< 0.0010	mg/l	4751	2/23/02	19:30
Pyrene	< 0.0010	mg/l	4751	2/23/02	19:30
Bis(2-ethylhexyl)phthalate	< 0.0020	mg/l	4751	2/23/02	19:30
1,2,4-Trichlorobenzene	< 0.0010	mg/l	4751	2/23/02	19:30
2,4,5-Trichlorophenol	< 0.0010	mg/l	4751	2/23/02	19:30
2,4,6-Trichlorophenol	< 0.0020	mg/l	4751	2/23/02	19:30

Project QC continued . . .

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INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 14

BNA Surr-Nitrobenzene-d5	79.	% Rec	4751	2/23/02	19:30
BNA Surr-2-Fluorobiphenyl	77.	% Rec	4751	2/23/02	19:30
BNA Surr-Terphenyl-d14	88.	% Rec	4751	2/23/02	19:30
BNA Surr-Phenol-d5	41.	% Rec	4751	2/23/02	19:30
BNA Surr-2-Fluorophenol	58.	% Rec	4751	2/23/02	19:30
BNA Surr-2,4,6-Tribromophenol	108.	% Rec	4751	2/23/02	19:30

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 272836

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sampl
EXTRACTABLE PARAMETERS								
Acenaphthene	mg/l	< 0.0010	0.0390	0.0500	78	24. - 117.	4756	BLANK
Acenaphthylene	mg/l	< 0.0010	0.0390	0.0500	78	26. - 117.	4756	BLANK
Anthracene	mg/l	< 0.0010	0.0420	0.0500	84	25. - 130.	4756	BLANK
Benzo(a)anthracene	mg/l	< 0.0010	0.0420	0.0500	84	25. - 129.	4756	BLANK
Benzo(a)pyrene	mg/l	< 0.0010	0.0430	0.0500	86	23. - 133.	4756	BLANK
Benzo(b)fluoranthene	mg/l	< 0.0010	0.0420	0.0500	84	25. - 128.	4756	BLANK
Benzo(g,h,i)perylene	mg/l	< 0.0020	0.0330	0.0500	66	0. - 146.	4756	BLANK
Benzo(k)fluoranthene	mg/l	< 0.0010	0.0440	0.0500	88	25. - 139.	4756	BLANK
4-Bromophenyl-phenylether	mg/l	< 0.0010	0.0430	0.0500	86	27. - 121.	4756	BLANK
Butylbenzylphthalate	mg/l	< 0.0010	0.0430	0.0500	86	22. - 138.	4756	BLANK
Carbazole	mg/l	< 0.0010	0.0440	0.0500	88	23. - 134.	4756	BLANK
4-Chloro-3-methylphenol	mg/l	< 0.0010	0.0430	0.0500	86	28. - 122.	4756	BLANK
4-Chloroaniline	mg/l	< 0.0020	0.0400	0.0500	80	25. - 123.	4756	BLANK
Bis(2-chloroethoxy)methane	mg/l	< 0.0010	0.0380	0.0500	76	25. - 117.	4756	BLANK
Bis(2-chloroethyl)ether	mg/l	< 0.0010	0.0380	0.0500	76	18. - 123.	4756	BLANK
Bis(2-chloroisopropyl)ether	mg/l	< 0.0010	0.0370	0.0500	74	23. - 111.	4756	BLANK
2-Chloronaphthalene	mg/l	< 0.0010	0.0400	0.0500	80	22. - 108.	4756	BLANK
2-Chlorophenol	mg/l	< 0.0010	0.0370	0.0500	74	20. - 115.	4756	BLANK
4-Chlorophenyl-phenylether	mg/l	< 0.0010	0.0430	0.0500	86	26. - 119.	4756	BLANK
Chrysene	mg/l	< 0.0010	0.0420	0.0500	84	25. - 132.	4756	BLANK
Dibenzofuran	mg/l	< 0.0010	0.0420	0.0500	84	26. - 115.	4756	BLANK
Dibenz(a,h)anthracene	mg/l	< 0.0020	0.0370	0.0500	74	6. - 134.	4756	BLANK
1,2-Dichlorobenzene	mg/l	< 0.0010	0.0360	0.0500	72	15. - 102.	4756	BLANK
1,3-Dichlorobenzene	mg/l	< 0.0010	0.0340	0.0500	68	15. - 97.	4756	BLANK
1,4-Dichlorobenzene	mg/l	< 0.0010	0.0340	0.0500	68	13. - 103.	4756	BLANK
3,3'-Dichlorobenzidine	mg/l	< 0.0020	0.0370	0.0500	74	13. - 134.	4756	BLANK
2,4-Dichlorophenol	mg/l	< 0.0010	0.0420	0.0500	84	18. - 121.	4756	BLANK
Diethylphthalate	mg/l	< 0.0010	0.0410	0.0500	82	27. - 130.	4756	BLANK
2,4-Dimethylphenol	mg/l	< 0.0020	0.0340	0.0500	68	1. - 130.	4756	BLANK
Dimethylphthalate	mg/l	< 0.0010	0.0430	0.0500	86	26. - 126.	4756	BLANK

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 2

Di-n-Butylphthalate	mg/l	< 0.0010	0.0440	0.0500	88	27. - 137.	4756	BLANK
4,6-Dinitro-2-methylphenol	mg/l	< 0.0020	0.0690	0.0500	138	14. - 141.	4756	BLANK
2,4-Dinitrophenol	mg/l	< 0.0020	0.0960	0.0500	192#	7. - 137.	4756	BLANK
2,4-dinitrotoluene	mg/l	< 0.0010	0.0580	0.0500	116	25. - 129.	4756	BLANK
2,6-Dinitrotoluene	mg/l	< 0.0100	0.0550	0.0500	110	24. - 129.	4756	BLANK
Di-n-octylphthalate	mg/l	< 0.0040	0.0470	0.0500	94	13. - 170.	4756	BLANK
Fluoranthene	mg/l	< 0.0010	0.0440	0.0500	88	24. - 135.	4756	BLANK
Fluorene	mg/l	< 0.0010	0.0420	0.0500	84	26. - 124.	4756	BLANK
Hexachlorobenzene	mg/l	< 0.0010	0.0450	0.0500	90	23. - 128.	4756	BLANK
Hexachlorobutadiene	mg/l	< 0.0010	0.0360	0.0500	72	11. - 103.	4756	BLANK
Hexachlorocyclopentadiene	mg/l	< 0.0020	0.0350	0.0500	70	4. - 96.	4756	BLANK
Hexachloroethane	mg/l	< 0.0050	0.0330	0.0500	66	14. - 100.	4756	BLANK
Indeno(1,2,3-cd)pyrene	mg/l	< 0.0020	0.0360	0.0500	72	1. - 139.	4756	BLANK
Isophorone	mg/l	< 0.0010	0.0410	0.0500	82	18. - 123.	4756	BLANK
2-Methylnaphthalene	mg/l	< 0.0010	0.0390	0.0500	78	22. - 104.	4756	BLANK
2-Methylphenol	mg/l	< 0.0010	0.0340	0.0500	68	20. - 109.	4756	BLANK
3 and 4-Methylphenol	mg/l	< 0.0050	0.0310	0.0500	62	24. - 108.	4756	BLANK
Naphthalene	mg/l	< 0.0010	0.0350	0.0500	70	20. - 106.	4756	BLANK
2-Nitroaniline	mg/l	< 0.0010	0.0500	0.0500	100	22. - 136.	4756	BLANK
3-Nitroaniline	mg/l	< 0.0010	0.0480	0.0500	96	23. - 139.	4756	BLANK
4-Nitroaniline	mg/l	< 0.0010	0.0500	0.0500	100	23. - 133.	4756	BLANK
Nitrobenzene	mg/l	< 0.0020	0.0410	0.0500	82	21. - 113.	4756	BLANK
2-Nitrophenol	mg/l	< 0.0010	0.0480	0.0500	96	20. - 122.	4756	BLANK
4-Nitrophenol	mg/l	< 0.0020	0.0240	0.0500	48	1. - 114.	4756	BLANK
N-Nitroso-Di-n-Propylamine	mg/l	< 0.0010	0.0360	0.0500	72	29. - 120.	4756	BLANK
N-Nitrosodiphenylamine	mg/l	< 0.0010	0.0420	0.0500	84	25. - 128.	4756	BLANK
Pentachlorophenol	mg/l	< 0.0020	0.0560	0.0500	112	16. - 129.	4756	BLANK
Phenanthrene	mg/l	< 0.0010	0.0410	0.0500	82	25. - 128.	4756	BLANK
Phenol	mg/l	< 0.0010	0.0190	0.0500	38	1. - 131.	4756	BLANK
Pyrene	mg/l	< 0.0010	0.0400	0.0500	80	24. - 128.	4756	BLANK
Bis(2-ethylhexyl)phthalate	mg/l	< 0.0020	0.0440	0.0500	88	19. - 148.	4756	BLANK
1,2,4-Trichlorobenzene	mg/l	< 0.0010	0.0370	0.0500	74	32. - 114.	4756	BLANK
2,4,5-Trichlorophenol	mg/l	< 0.0010	0.0460	0.0500	92	22. - 126.	4756	BLANK
2,4,6-Trichlorophenol	mg/l	< 0.0020	0.0430	0.0500	86	17. - 130.	4756	BLANK
BNA Surr-Nitrobenzene-d5	% Rec				91	24. - 128.	4756	
BNA Surr-2-Fluorobiphenyl	% Rec				81	33. - 118.	4756	
BNA Surr-Terphenyl-d14	% Rec				89	27. - 142.	4756	
BNA Surr-Phenol-d5	% Rec				43	1. - 72.	4756	

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 3

BNA Surr-2-Fluorophenol	% Rec	63	1. - 99.	4756
BNA Surr-2,4,6-Tribromopheno	% Rec	126	45. - 157.	4756

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
METALS								
Arsenic	mg/l	< 0.0050	0.0500	0.0500	100	80 - 120	2900	Duplicate
Barium	mg/l	0.0500	2.220	2.000	108	80 - 120	2900	Duplicate
Cadmium	mg/l	0.0040	0.0570	0.0500	106	80 - 120	2900	Duplicate
Chromium	mg/l	< 0.0050	0.2180	0.2000	109	80 - 120	2900	Duplicate
Lead	mg/l	< 0.0030	0.0540	0.0500	108	80 - 120	2900	Duplicate
Mercury	mg/l	< 0.0002	0.0007	0.0010	70#	80 - 120	2731	02-A27206
Selenium	mg/l	< 0.0050	0.0530	0.0500	106	80 - 120	2900	Duplicate
Silver	mg/l	< 0.0050	0.0540	0.0500	108	80 - 120	2900	Duplicate

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.0390	0.0300	26.09	34.	4756
4-Chloro-3-methylphenol	mg/l	0.0430	0.0320	29.33	32.	4756
2-Chlorophenol	mg/l	0.0370	0.0280	27.69	39.	4756
1,4-Dichlorobenzene	mg/l	0.0340	0.0260	26.67	41.	4756
2,4-dinitrotoluene	mg/l	0.0580	0.0450	25.24	35.	4756
2-Methylnaphthalene	mg/l	0.0390	0.0300	26.09	41.	4756
Naphthalene	mg/l	0.0350	0.0270	25.81	38.	4756
4-Nitrophenol	mg/l	0.0240	0.0190	23.26	45.	4756
N-Nitroso-Di-n-Propylamine	mg/l	0.0360	0.0280	25.00	40.	4756
Pentachlorophenol	mg/l	0.0560	0.0400	33.33	46.	4756
Phenol	mg/l	0.0190	0.0150	23.53	46.	4756
Pyrene	mg/l	0.0400	0.0310	25.35	33.	4756

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 4

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
1,2,4-Trichlorobenzene	mg/l	0.0370	0.0280	27.69	42.	4756
BNA Surr-Nitrobenzene-d5	% Rec		68.			4756
BNA Surr-2-Fluorobiphenyl	% Rec		62.			4756
BNA Surr-Terphenyl-d14	% Rec		68.			4756
BNA Surr-Phenol-d5	% Rec		35.			4756
BNA Surr-2-Fluorophenol	% Rec		50.			4756
BNA Surr-2,4,6-Tribromophenol	% Rec		94.			4756

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
METALS						
Arsenic	mg/l	0.0500	0.0480	4.08	20	2900
Barium	mg/l	2.220	2.200	0.90	20	2900
Cadmium	mg/l	0.0570	0.0560	1.77	20	2900
Chromium	mg/l	0.2180	0.2140	1.85	20	2900
Lead	mg/l	0.0540	0.0540	0.00	20	2900
Mercury	mg/l	0.0007	0.0007	0.00	20	2731
Selenium	mg/l	0.0530	0.0530	0.00	20	2900
Silver	mg/l	0.0540	0.0510	5.71	20	2900

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.0500	0.0340	68	24 - 117	4756
Acenaphthylene	mg/l	0.0500	0.0340	68	26 - 117	4756
Anthracene	mg/l	0.0500	0.0370	74	25 - 128	4756
Benzo(a)anthracene	mg/l	0.0500	0.0380	76	26 - 127	4756

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Benzo(a)pyrene	mg/l	0.0500	0.0380	76	23 - 133	4756
Benzo(b)fluoranthene	mg/l	0.0500	0.0380	76	26 - 125	4756
Benzo(g,h,i)perylene	mg/l	0.0500	0.0300	60	2 - 145	4756
Benzo(k)fluoranthene	mg/l	0.0500	0.0390	78	25 - 138	4756
4-Bromophenyl-phenylether	mg/l	0.0500	0.0380	76	27 - 121	4756
Butylbenzylphthalate	mg/l	0.0500	0.0390	78	24 - 138	4756
Carbazole	mg/l	0.0500	0.0390	78	26 - 133	4756
4-Chloro-3-methylphenol	mg/l	0.0500	0.0380	76	28 - 122	4756
4-Chloroaniline	mg/l	0.0500	0.0360	72	25 - 123	4756
Bis(2-chloroethoxy)methane	mg/l	0.0500	0.0330	66	25 - 117	4756
Bis(2-chloroethyl)ether	mg/l	0.0500	0.0330	66	18 - 123	4756
Bis(2-chloroisopropyl)ether	mg/l	0.0500	0.0320	64	23 - 111	4756
2-Chloronaphthalene	mg/l	0.0500	0.0350	70	22 - 108	4756
2-Chlorophenol	mg/l	0.0500	0.0330	66	20 - 115	4756
4-Chlorophenyl-phenylether	mg/l	0.0500	0.0380	76	26 - 119	4756
Chrysene	mg/l	0.0500	0.0380	76	26 - 131	4756
Dibenzofuran	mg/l	0.0500	0.0370	74	26 - 115	4756
Dibenz(a,h)anthracene	mg/l	0.0500	0.0340	68	7 - 134	4756
1,2-Dichlorobenzene	mg/l	0.0500	0.0310	62	15 - 102	4756
1,3-Dichlorobenzene	mg/l	0.0500	0.0300	60	15 - 97	4756
1,4-Dichlorobenzene	mg/l	0.0500	0.0300	60	13 - 103	4756
3,3'-Dichlorobenzidine	mg/l	0.0500	0.0330	66	13 - 134	4756
2,4-Dichlorophenol	mg/l	0.0500	0.0360	72	18 - 121	4756
Diethylphthalate	mg/l	0.0500	0.0370	74	30 - 128	4756
2,4-Dimethylphenol	mg/l	0.0500	0.0300	60	1 - 130	4756
Dimethylphthalate	mg/l	0.0500	0.0380	76	26 - 126	4756
Di-n-Butylphthalate	mg/l	0.0500	0.0390	78	30 - 135	4756
4,6-Dinitro-2-methylphenol	mg/l	0.0500	0.0610	122	14 - 141	4756
2,4-Dinitrophenol	mg/l	0.0500	0.0820	164 #	9 - 135	4756
2,4-dinitrotoluene	mg/l	0.0500	0.0510	102	25 - 130	4756
2,6-Dinitrotoluene	mg/l	0.0500	0.0490	98	24 - 129	4756
Di-n-octylphthalate	mg/l	0.0500	0.0430	86	14 - 163	4756
Fluoranthene	mg/l	0.0500	0.0390	78	26 - 133	4756

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Fluorene	mg/l	0.0500	0.0370	74	26 - 124	4756
Hexachlorobenzene	mg/l	0.0500	0.0400	80	23 - 128	4756
Hexachlorobutadiene	mg/l	0.0500	0.0310	62	11 - 103	4756
Hexachlorocyclopentadiene	mg/l	0.0500	0.0300	60	4 - 96	4756
Hexachloroethane	mg/l	0.0500	0.0280	56	14 - 100	4756
Indeno(1,2,3-cd)pyrene	mg/l	0.0500	0.0320	64	2 - 138	4756
Isophorone	mg/l	0.0500	0.0360	72	24 - 119	4756
2-Methylnaphthalene	mg/l	0.0500	0.0340	68	22 - 104	4756
2-Methylphenol	mg/l	0.0500	0.0300	60	20 - 109	4756
3 and 4-Methylphenol	mg/l	0.0500	0.0280	56	16 - 108	4756
Naphthalene	mg/l	0.0500	0.0310	62	20 - 106	4756
2-Nitroaniline	mg/l	0.0500	0.0440	88	22 - 136	4756
3-Nitroaniline	mg/l	0.0500	0.0440	88	23 - 139	4756
4-Nitroaniline	mg/l	0.0500	0.0450	90	23 - 138	4756
Nitrobenzene	mg/l	0.0500	0.0360	72	21 - 113	4756
2-Nitrophenol	mg/l	0.0500	0.0410	82	20 - 122	4756
4-Nitrophenol	mg/l	0.0500	0.0220	44	1 - 114	4756
N-Nitroso-Di-n-Propylamine	mg/l	0.0500	0.0310	62	29 - 120	4756
N-Nitrosodiphenylamine	mg/l	0.0500	0.0370	74	25 - 128	4756
Pentachlorophenol	mg/l	0.0500	0.0500	100	16 - 129	4756
Phenanthrene	mg/l	0.0500	0.0360	72	25 - 128	4756
Phenol	mg/l	0.0500	0.0180	36	1 - 131	4756
Pyrene	mg/l	0.0500	0.0360	72	24 - 127	4756
Bis(2-ethylhexyl)phthalate	mg/l	0.0500	0.0400	80	19 - 147	4756
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0330	66	33 - 117	4756
2,4,5-Trichlorophenol	mg/l	0.0500	0.0400	80	22 - 126	4756
2,4,6-Trichlorophenol	mg/l	0.0500	0.0370	74	17 - 130	4756
BNA Surr-Nitrobenzene-d5	% Rec			80	24 - 128	4756
BNA Surr-2-Fluorobiphenyl	% Rec			71	33 - 118	4756
BNA Surr-Terphenyl-d14	% Rec			81	27 - 142	4756
BNA Surr-Phenol-d5	% Rec			41	1 - 72	4756
BNA Surr-2-Fluorophenol	% Rec			60	1 - 99	4756
BNA Surr-2,4,6-Tribromophenol	% Rec			112	45 - 157	4756

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						
Arsenic	mg/l	0.0500	0.0450	90	80 - 120	2900
Barium	mg/l	2.000	2.120	106	80 - 120	2900
Cadmium	mg/l	0.0500	0.0520	104	80 - 120	2900
Chromium	mg/l	0.2000	0.2140	107	80 - 120	2900
Lead	mg/l	0.0500	0.0500	100	80 - 120	2900
Mercury	mg/l	0.0010	0.0010	100	85 - 115	2731
Selenium	mg/l	0.0500	0.0510	102	80 - 120	2900
Silver	mg/l	0.0500	0.0520	104	80 - 120	2900

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EXTRACTABLE PARAMETERS					
Acenaphthene	< 0.0010	mg/l	4756	2/23/02	23:36
Acenaphthylene	< 0.0010	mg/l	4756	2/23/02	23:36
Anthracene	< 0.0010	mg/l	4756	2/23/02	23:36
Benzo(a)anthracene	< 0.0010	mg/l	4756	2/23/02	23:36
Benzo(a)pyrene	< 0.0010	mg/l	4756	2/23/02	23:36
Benzo(b)fluoranthene	< 0.0010	mg/l	4756	2/23/02	23:36
Benzo(g,h,i)perylene	< 0.0020	mg/l	4756	2/23/02	23:36
Benzo(k)fluoranthene	< 0.0010	mg/l	4756	2/23/02	23:36
4-Bromophenyl-phenylether	< 0.0010	mg/l	4756	2/23/02	23:36

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 8

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Butylbenzylphthalate	< 0.0010	mg/l	4756	2/23/02	23:36
Carbazole	< 0.0010	mg/l	4756	2/23/02	23:36
4-Chloro-3-methylphenol	< 0.0010	mg/l	4756	2/23/02	23:36
4-Chloroaniline	< 0.0020	mg/l	4756	2/23/02	23:36
Bis(2-chloroethoxy)methane	< 0.0010	mg/l	4756	2/23/02	23:36
Bis(2-chloroethyl)ether	< 0.0010	mg/l	4756	2/23/02	23:36
Bis(2-chloroisopropyl)ether	< 0.0010	mg/l	4756	2/23/02	23:36
2-Chloronaphthalene	< 0.0010	mg/l	4756	2/23/02	23:36
2-Chlorophenol	< 0.0010	mg/l	4756	2/23/02	23:36
4-Chlorophenyl-phenylether	< 0.0010	mg/l	4756	2/23/02	23:36
Chrysene	< 0.0010	mg/l	4756	2/23/02	23:36
Dibenzofuran	< 0.0010	mg/l	4756	2/23/02	23:36
Dibenz(a,h)anthracene	< 0.0020	mg/l	4756	2/23/02	23:36
1,2-Dichlorobenzene	< 0.0010	mg/l	4756	2/23/02	23:36
1,3-Dichlorobenzene	< 0.0010	mg/l	4756	2/23/02	23:36
1,4-Dichlorobenzene	< 0.0010	mg/l	4756	2/23/02	23:36
3,3'-Dichlorobenzidine	< 0.0020	mg/l	4756	2/23/02	23:36
2,4-Dichlorophenol	< 0.0010	mg/l	4756	2/23/02	23:36
Diethylphthalate	< 0.0010	mg/l	4756	2/23/02	23:36
2,4-Dimethylphenol	< 0.0020	mg/l	4756	2/23/02	23:36
Dimethylphthalate	< 0.0010	mg/l	4756	2/23/02	23:36
Di-n-Butylphthalate	< 0.0010	mg/l	4756	2/23/02	23:36
4,6-Dinitro-2-methylphenol	< 0.0020	mg/l	4756	2/23/02	23:36
2,4-Dinitrophenol	< 0.0020	mg/l	4756	2/23/02	23:36
2,4-dinitrotoluene	< 0.0010	mg/l	4756	2/23/02	23:36
2,6-Dinitrotoluene	< 0.0100	mg/l	4756	2/23/02	23:36
Di-n-octylphthalate	< 0.0040	mg/l	4756	2/23/02	23:36
Fluoranthene	< 0.0010	mg/l	4756	2/23/02	23:36
Fluorene	< 0.0010	mg/l	4756	2/23/02	23:36
Hexachlorobenzene	< 0.0010	mg/l	4756	2/23/02	23:36
Hexachlorobutadiene	< 0.0010	mg/l	4756	2/23/02	23:36
Hexachlorocyclopentadiene	< 0.0020	mg/l	4756	2/23/02	23:36
Hexachloroethane	< 0.0050	mg/l	4756	2/23/02	23:36

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 9

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Indeno(1,2,3-cd)pyrene	< 0.0020	mg/l	4756	2/23/02	23:36
Isophorone	< 0.0010	mg/l	4756	2/23/02	23:36
2-Methylnaphthalene	< 0.0010	mg/l	4756	2/23/02	23:36
2-Methylphenol	< 0.0010	mg/l	4756	2/23/02	23:36
3 and 4-Methylphenol	< 0.0050	mg/l	4756	2/23/02	23:36
Naphthalene	< 0.0010	mg/l	4756	2/23/02	23:36
2-Nitroaniline	< 0.0010	mg/l	4756	2/23/02	23:36
3-Nitroaniline	< 0.0010	mg/l	4756	2/23/02	23:36
4-Nitroaniline	< 0.0010	mg/l	4756	2/23/02	23:36
Nitrobenzene	< 0.0020	mg/l	4756	2/23/02	23:36
2-Nitrophenol	< 0.0010	mg/l	4756	2/23/02	23:36
4-Nitrophenol	< 0.0020	mg/l	4756	2/23/02	23:36
N-Nitroso-Di-n-Propylamine	< 0.0010	mg/l	4756	2/23/02	23:36
N-Nitrosodiphenylamine	< 0.0010	mg/l	4756	2/23/02	23:36
Pentachlorophenol	< 0.0020	mg/l	4756	2/23/02	23:36
Phenanthrene	< 0.0010	mg/l	4756	2/23/02	23:36
Phenol	< 0.0010	mg/l	4756	2/23/02	23:36
Pyrene	< 0.0010	mg/l	4756	2/23/02	23:36
Bis(2-ethylhexyl)phthalate	< 0.0020	mg/l	4756	2/23/02	23:36
1,2,4-Trichlorobenzene	< 0.0010	mg/l	4756	2/23/02	23:36
2,4,5-Trichlorophenol	< 0.0010	mg/l	4756	2/23/02	23:36
2,4,6-Trichlorophenol	< 0.0020	mg/l	4756	2/23/02	23:36
BNA Surr-Nitrobenzene-d5	82.	% Rec	4756	2/23/02	23:36
BNA Surr-2-Fluorobiphenyl	72.	% Rec	4756	2/23/02	23:36
BNA Surr-Terphenyl-d14	83.	% Rec	4756	2/23/02	23:36
BNA Surr-Phenol-d5	41.	% Rec	4756	2/23/02	23:36
BNA Surr-2-Fluorophenol	61.	% Rec	4756	2/23/02	23:36
BNA Surr-2,4,6-Tribromophenol	108.	% Rec	4756	2/23/02	23:36

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 10

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
METALS					
Arsenic	< 0.0050	mg/l	2900	2/22/02	23:50
Barium	< 0.0100	mg/l	2900	2/22/02	23:50
Cadmium	< 0.0010	mg/l	2900	2/22/02	23:50
Chromium	< 0.0050	mg/l	2900	2/22/02	23:50
Lead	< 0.0030	mg/l	2900	2/22/02	23:50
Mercury	< 0.0002	mg/l	2731	2/23/02	14:30
Selenium	< 0.0050	mg/l	2900	2/22/02	23:50
Silver	< 0.0050	mg/l	2900	2/22/02	23:50

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 272853

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A26934
Sample ID: SS-1B
Sample Type: Soil
Site ID:

Date Collected: 2/19/02
Time Collected: 11:20
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Acenaphthylene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Benzo(a)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Benzo(a)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Benzo(b)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Benzo(g,h,i)perylene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Benzo(k)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
4-Bromophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Butylbenzylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Carbazole	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
4-Chloro-3-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
4-Chloroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
bis(2-Chloroethoxy)methane	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
bis(2-Chloroethyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2-Chloronaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2-Chlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
4-Chlorophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Chrysene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Dibenzofuran	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26934
Sample ID: SS-1B
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibenz(a,h)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
1,2-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
1,3-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
1,4-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
3,3'-Dichlorobenzidine	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2,4-Dichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Diethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2,4-Dimethylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Dimethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Di-n-butylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2,4-Dinitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2,4-dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2,6-Dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Di-n-octylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Fluorene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Hexachlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Hexachlorobutadiene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Hexachlorocyclopentadiene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Hexachloroethane	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Isophorone	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2-Methylnaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
m,p-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Naphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
3-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
4-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Nitrobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
4-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
N-nitrosodi-n-propylamine	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26934
Sample ID: SS-1B
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
N-nitrosodiphenylamine	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Pentachlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Phenanthrene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Phenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
1,2,4-Trichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2,4,5-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
2,4,6-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	5:29	M. Cobb	8270C	4827
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.05000	0.05000	1	2/21/02	23:01	M.Schott	8260B	2370
Benzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Bromobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Bromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Bromoform	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Bromomethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
2-Butanone	ND	mg/kg	0.05000	0.05000	1	2/21/02	23:01	M.Schott	8260B	2370
n-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
sec-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
t-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Carbon disulfide	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Carbon tetrachloride	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Chlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Chloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Chloroform	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Chloromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
2-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
4-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.01000	0.01000	1	2/21/02	23:01	M.Schott	8260B	2370
Dibromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,2-Dibromoethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Dibromomethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,2-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26934
Sample ID: SS-1B
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,4-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Dichlorodifluoromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,1-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,2-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,1-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
cis-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
trans-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,3-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
2,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,1-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
cis-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
trans-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Ethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Hexachlorobutadiene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
2-Hexanone	ND	mg/kg	0.01000	0.01000	1	2/21/02	23:01	M.Schott	8260B	2370
Isopropylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
4-Isopropyltoluene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
4-Methyl-2-pentanone	ND	mg/kg	0.01000	0.01000	1	2/21/02	23:01	M.Schott	8260B	2370
Methylene chloride	ND	mg/kg	0.00500	0.00500	1	2/21/02	23:01	M.Schott	8260B	2370
Naphthalene	ND	mg/kg	0.00500	0.00500	1	2/21/02	23:01	M.Schott	8260B	2370
n-Propylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Styrene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Tetrachloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Toluene	0.00500	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,2,3-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,2,4-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,1,1-Trichloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,1,2-Trichloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Trichloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,2,3-Trichloropropane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26934
Sample ID: SS-1B
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
1,3,5-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Vinyl chloride	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Xylenes (Total)	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Bromodichloromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
Trichlorofluoromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:01	M.Schott	8260B	2370
METALS										
Arsenic	8.11	mg/kg	0.965	0.965	1	2/22/02	16:39	Rob Hunt	6010B	2718
Barium	228.	mg/kg	0.965	0.965	1	2/22/02	16:39	Rob Hunt	6010B	2718
Cadmium	ND	mg/kg	0.965	0.965	1	2/22/02	16:39	Rob Hunt	6010B	2718
Chromium	19.1	mg/kg	0.965	0.965	1	2/22/02	16:39	Rob Hunt	6010B	2718
Lead	8.69	mg/kg	0.965	0.965	1	2/22/02	16:39	Rob Hunt	6010B	2718
Mercury	ND	mg/kg	0.098	0.098	1	2/22/02	14:35	K. Ahmed	7471A	2321
Selenium	ND	mg/kg	0.965	0.965	1	2/22/02	16:39	Rob Hunt	6010B	2718
Silver	ND	mg/kg	0.965	0.965	1	2/22/02	16:39	Rob Hunt	6010B	2718

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	30.3 gm	1.0 ml	2/ 2/02		D. Harris	3550

Surrogate	% Recovery	Target Range
VOA Surr 1.2-DCA-d4	112.	56. - 145.
VOA Surr Toluene-d8	107.	71. - 137.
VOA Surr, 4-BFB	97.	72. - 141.
VOA Surr, DBFM	100.	69. - 134.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26934
Sample ID: SS-1B
Project: 50017083

Surrogate	% Recovery	Target Range
BNA Surr-Nitrobenzene-d5	54.	15. - 126.
BNA Surr-2-Fluorobiphenyl	59.	22. - 119.
BNA Surr-Terphenyl-d14	76.	25. - 147.
BNA Surr-Phenol-d5	68.	1. - 156.
BNA Surr-2-Fluorophenol	65.	2. - 159.
BNA Surr-2,4,6-Tribromophenol	85.	22. - 152.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A26935
Sample ID: SS-2
Sample Type: Soil
Site ID:

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Date Collected: 2/19/02
Time Collected: 12:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Acenaphthylene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Benzo(a)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Benzo(a)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Benzo(b)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Benzo(g,h,i)perylene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Benzo(k)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
4-Bromophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Butylbenzylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Carbazole	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
4-Chloro-3-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
4-Chloroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
bis(2-Chloroethoxy)methane	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
bis(2-Chloroethyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2-Chloronaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2-Chlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
4-Chlorophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Chrysene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Dibenzofuran	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26935
Sample ID: SS-2
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibenz(a,h)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
1,2-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
1,3-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
1,4-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
3,3'-Dichlorobenzidine	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2,4-Dichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Diethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2,4-Dimethylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Dimethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Di-n-butylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2,4-Dinitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2,4-dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2,6-Dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Di-n-octylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Fluorene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Hexachlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Hexachlorobutadiene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Hexachlorocyclopentadiene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Hexachloroethane	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Isophorone	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2-Methylnaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
m,p-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Naphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
3-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
4-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Nitrobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
4-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
N-nitrosodi-n-propylamine	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26935
Sample ID: SS-2
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
N-nitrosodiphenylamine	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Pentachlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Phenanthrene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Phenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
1,2,4-Trichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2,4,5-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
2,4,6-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	10:53	M. Cobb	8270C	4827
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.05000	0.05000	1	2/21/02	23:32	M.Schott	8260B	2370
Benzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Bromobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Bromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Bromoform	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Bromomethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
2-Butanone	ND	mg/kg	0.05000	0.05000	1	2/21/02	23:32	M.Schott	8260B	2370
n-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
sec-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
t-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Carbon disulfide	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Carbon tetrachloride	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Chlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Chloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Chloroform	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Chloromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
2-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
4-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.01000	0.01000	1	2/21/02	23:32	M.Schott	8260B	2370
Dibromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,2-Dibromoethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Dibromomethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,2-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26935
Sample ID: SS-2
Project: 50017083
Page 4

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,4-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Dichlorodifluoromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,1-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,2-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,1-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
cis-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
trans-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,3-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
2,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,1-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
cis-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
trans-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Ethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Hexachlorobutadiene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
2-Hexanone	ND	mg/kg	0.01000	0.01000	1	2/21/02	23:32	M.Schott	8260B	2370
Isopropylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
4-Isopropyltoluene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
4-Methyl-2-pentanone	ND	mg/kg	0.01000	0.01000	1	2/21/02	23:32	M.Schott	8260B	2370
Methylene chloride	ND	mg/kg	0.00500	0.00500	1	2/21/02	23:32	M.Schott	8260B	2370
Naphthalene	ND	mg/kg	0.00500	0.00500	1	2/21/02	23:32	M.Schott	8260B	2370
n-Propylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Styrene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Tetrachloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Toluene	0.00510	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,2,3-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,2,4-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,1,1-Trichloroethane	0.00590	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,1,2-Trichloroethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Trichloroethene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,2,3-Trichloropropane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26935
Sample ID: SS-2
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
1,3,5-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Vinyl chloride	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Xylenes (Total)	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Bromodichloromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
Trichlorofluoromethane	ND	mg/kg	0.00200	0.00200	1	2/21/02	23:32	M.Schott	8260B	2370
METALS										
Arsenic	6.18	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Barium	165.	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Cadmium	ND	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Chromium	18.3	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Lead	8.96	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Mercury	ND	mg/kg	0.101	0.100	1	2/22/02	14:35	K. Ahmed	7471A	2321
Selenium	ND	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Silver	ND	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	30.1 gm	1.0 ml	2/ 2/02		D. Harris	3550

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	56. - 145.
VOA Surr Toluene-d8	103.	71. - 137.
VOA Surr, 4-BFB	113.	72. - 141.
VOA Surr, DBFM	95.	69. - 134.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26935
Sample ID: SS-2
Project: 50017083

Surrogate	% Recovery	Target Range
BNA Surr-Nitrobenzene-d5	49.	15. - 126.
BNA Surr-2-Fluorobiphenyl	50.	22. - 119.
BNA Surr-Terphenyl-d14	59.	25. - 147.
BNA Surr-Phenol-d5	59.	1. - 156.
BNA Surr-2-Fluorophenol	60.	2. - 159.
BNA Surr-2,4,6-Tribromophenol	68.	22. - 152.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A26936
Sample ID: SS-3
Sample Type: Soil
Site ID:

Date Collected: 2/20/02
Time Collected: 10:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Acenaphthylene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Benzo(a)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Benzo(a)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Benzo(b)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Benzo(g,h,i)perylene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Benzo(k)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
4-Bromophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Butylbenzylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Carbazole	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
4-Chloro-3-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
4-Chloroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
bis(2-Chloroethoxy)methane	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
bis(2-Chloroethyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2-Chloronaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2-Chlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
4-Chlorophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Chrysene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Dibenzofuran	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26936
Sample ID: SS-3
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibenz(a,h)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
1,2-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
1,3-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
1,4-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
3,3'-Dichlorobenzidine	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2,4-Dichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Diethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2,4-Dimethylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Dimethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Di-n-butylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2,4-Dinitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2,4-dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2,6-Dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Di-n-octylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Fluorene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Hexachlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Hexachlorobutadiene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Hexachlorocyclopentadiene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Hexachloroethane	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Isophorone	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2-Methylnaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
m,p-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Naphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
3-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
4-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Nitrobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
4-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
N-nitrosodi-n-propylamine	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26936
Sample ID: SS-3
Project: 50017083
Page 3

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
N-nitrosodiphenylamine	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Pentachlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Phenanthrene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Phenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
1,2,4-Trichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2,4,5-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
2,4,6-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	11:33	M. Cobb	8270C	4827
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.05000	0.05000	1	2/22/02	0:02	M.Schott	8260B	2370
Benzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Bromobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Bromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Bromoform	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Bromomethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
2-Butanone	ND	mg/kg	0.05000	0.05000	1	2/22/02	0:02	M.Schott	8260B	2370
n-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
sec-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
t-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Carbon disulfide	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Carbon tetrachloride	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Chlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Chloroethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Chloroform	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Chloromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
2-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
4-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.01000	0.01000	1	2/22/02	0:02	M.Schott	8260B	2370
Dibromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
1,2-Dibromoethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Dibromomethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
1,2-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26936
Sample ID: SS-3
Project: 50017083
Page 5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
1,3,5-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Vinyl chloride	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Xylenes (Total)	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Bromodichloromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
Trichlorofluoromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	0:02	M.Schott	8260B	2370
METALS										
Arsenic	7.17	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Barium	153.	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Cadmium	ND	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Chromium	18.7	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Lead	8.37	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Mercury	ND	mg/kg	0.100	0.100	1	2/22/02	14:35	K. Ahmed	7471A	2321
Selenium	ND	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718
Silver	ND	mg/kg	0.996	0.996	1	2/22/02	16:39	Rob Hunt	6010B	2718

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	29.9 gm	1.0 ml	2/ 2/02		D. Harris	3550

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	56. - 145.
VOA Surr Toluene-d8	102.	71. - 137.
VOA Surr, 4-BFB	101.	72. - 141.
VOA Surr, DBFM	98.	69. - 134.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26936
Sample ID: SS-3
Project: 50017083
Page 6

Surrogate	% Recovery	Target Range
BNA Surr-Nitrobenzene-d5	75.	15. - 126.
BNA Surr-2-Fluorobiphenyl	72.	22. - 119.
BNA Surr-Terphenyl-d14	83.	25. - 147.
BNA Surr-Phenol-d5	90.	1. - 156.
BNA Surr-2-Fluorophenol	92.	2. - 159.
BNA Surr-2,4,6-Tribromophenol	102.	22. - 152.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A26937
Sample ID: SS-4
Sample Type: Soil
Site ID:

Date Collected: 2/20/02
Time Collected: 11:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Acenaphthylene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Benzo(a)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Benzo(a)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Benzo(b)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Benzo(g,h,i)perylene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Benzo(k)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
4-Bromophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Butylbenzylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Carbazole	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
4-Chloro-3-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
4-Chloroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
bis(2-Chloroethoxy)methane	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
bis(2-Chloroethyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2-Chloronaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2-Chlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
4-Chlorophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Chrysene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Dibenzofuran	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26937
Sample ID: SS-4
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibenz(a,h)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
1,2-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
1,3-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
1,4-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
3,3'-Dichlorobenzidine	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2,4-Dichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Diethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2,4-Dimethylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Dimethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Di-n-butylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2,4-Dinitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2,4-dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2,6-Dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Di-n-octylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Fluorene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Hexachlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Hexachlorobutadiene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Hexachlorocyclopentadiene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Hexachloroethane	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Isophorone	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2-Methylnaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
m,p-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Naphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
3-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
4-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Nitrobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
4-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
N-nitrosodi-n-propylamine	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26937
Sample ID: SS-4
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
N-nitrosodiphenylamine	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Pentachlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Phenanthrene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Phenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
1,2,4-Trichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2,4,5-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
2,4,6-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:13	M. Cobb	8270C	4827
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.05000	0.05000	1	2/24/02	19:53	B. Messay	8260B	5883
Benzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Bromobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Bromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Bromoform	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Bromomethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
2-Butanone	ND	mg/kg	0.05000	0.05000	1	2/24/02	19:53	B. Messay	8260B	5883
n-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
sec-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
t-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Carbon disulfide	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Carbon tetrachloride	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Chlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Chloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Chloroform	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Chloromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
2-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
4-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.01000	0.01000	1	2/24/02	19:53	B. Messay	8260B	5883
Dibromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,2-Dibromoethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Dibromomethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,2-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26937
Sample ID: SS-4
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,4-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Dichlorodifluoromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,1-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,2-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,1-Dichloroethene	0.00300	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
cis-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
trans-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,3-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
2,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,1-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
cis-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
trans-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Ethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Hexachlorobutadiene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
2-Hexanone	ND	mg/kg	0.01000	0.01000	1	2/24/02	19:53	B. Messay	8260B	5883
Isopropylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
4-Isopropyltoluene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
4-Methyl-2-pentanone	ND	mg/kg	0.01000	0.01000	1	2/24/02	19:53	B. Messay	8260B	5883
Methylene chloride	ND	mg/kg	0.00500	0.00500	1	2/24/02	19:53	B. Messay	8260B	5883
Naphthalene	ND	mg/kg	0.00500	0.00500	1	2/24/02	19:53	B. Messay	8260B	5883
n-Propylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Styrene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Tetrachloroethene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Toluene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,2,3-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,2,4-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,1,1-Trichloroethane	0.04000	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,1,2-Trichloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Trichloroethene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,2,3-Trichloropropane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26937
Sample ID: SS-4
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
1,3,5-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Vinyl chloride	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Xylenes (Total)	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Bromodichloromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
Trichlorofluoromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	19:53	B. Messay	8260B	5883
METALS										
Arsenic	8.08	mg/kg	0.962	0.962	1	2/22/02	16:39	Rob Hunt	6010B	2718
Barium	149.	mg/kg	0.962	0.962	1	2/22/02	16:39	Rob Hunt	6010B	2718
Cadmium	ND	mg/kg	0.962	0.962	1	2/22/02	16:39	Rob Hunt	6010B	2718
Chromium	18.1	mg/kg	0.962	0.962	1	2/22/02	16:39	Rob Hunt	6010B	2718
Lead	9.04	mg/kg	0.962	0.962	1	2/22/02	16:39	Rob Hunt	6010B	2718
Mercury	ND	mg/kg	0.099	0.099	1	2/22/02	14:35	K. Ahmed	7471A	2321
Selenium	ND	mg/kg	0.962	0.962	1	2/22/02	16:39	Rob Hunt	6010B	2718
Silver	ND	mg/kg	0.962	0.962	1	2/22/02	16:39	Rob Hunt	6010B	2718

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	30.0 gm	1.0 ml	2/ 2/02		D. Harris	3550

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	56. - 145.
VOA Surr Toluene-d8	101.	71. - 137.
VOA Surr, 4-BFB	105.	72. - 141.
VOA Surr, DBFM	102.	69. - 134.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26937
Sample ID: SS-4
Project: 50017083

Surrogate	% Recovery	Target Range
BNA Surr-Nitrobenzene-d5	53.	15. - 126.
BNA Surr-2-Fluorobiphenyl	55.	22. - 119.
BNA Surr-Terphenyl-d14	66.	25. - 147.
BNA Surr-Phenol-d5	63.	1. - 156.
BNA Surr-2-Fluorophenol	63.	2. - 159.
BNA Surr-2,4,6-Tribromophenol	78.	22. - 152.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A26938
Sample ID: SS-5
Sample Type: Soil
Site ID:

Date Collected: 2/19/02
Time Collected: 16:00
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Acenaphthylene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Benzo(a)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Benzo(a)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Benzo(b)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Benzo(g,h,i)perylene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Benzo(k)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
4-Bromophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Butylbenzylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Carbazole	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
4-Chloro-3-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
4-Chloroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
bis(2-Chloroethoxy)methane	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
bis(2-Chloroethyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2-Chloronaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2-Chlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
4-Chlorophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Chrysene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Dibenzofuran	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26938
Sample ID: SS-5
Project: 50017083
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibenz(a,h)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
1,2-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
1,3-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
1,4-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
3,3'-Dichlorobenzidine	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2,4-Dichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Diethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2,4-Dimethylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Dimethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Di-n-butylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2,4-Dinitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2,4-dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2,6-Dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Di-n-octylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Fluorene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Hexachlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Hexachlorobutadiene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Hexachlorocyclopentadiene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Hexachloroethane	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Isophorone	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2-Methylnaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
m,p-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Naphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
3-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
4-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Nitrobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
4-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
N-nitrosodi-n-propylamine	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26938
Sample ID: SS-5
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
N-nitrosodiphenylamine	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Pentachlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Phenanthrene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Phenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
1,2,4-Trichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2,4,5-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
2,4,6-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	12:53	M. Cobb	8270C	4827
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.05000	0.05000	1	2/24/02	20:28	B. Messay	8260B	5883
Benzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Bromobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Bromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Bromoform	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Bromomethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
2-Butanone	ND	mg/kg	0.05000	0.05000	1	2/24/02	20:28	B. Messay	8260B	5883
n-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
sec-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
t-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Carbon disulfide	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Carbon tetrachloride	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Chlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Chloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Chloroform	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Chloromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
2-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
4-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.01000	0.01000	1	2/24/02	20:28	B. Messay	8260B	5883
Dibromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,2-Dibromoethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Dibromomethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,2-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26938
Sample ID: SS-5
Project: 50017083
Page 4

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,4-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Dichlorodifluoromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,1-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,2-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,1-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
cis-1,2-Dichloroethene	0.04740	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
trans-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,3-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
2,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,1-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
cis-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
trans-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Ethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Hexachlorobutadiene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
2-Hexanone	ND	mg/kg	0.01000	0.01000	1	2/24/02	20:28	B. Messay	8260B	5883
Isopropylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
4-Isopropyltoluene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
4-Methyl-2-pentanone	ND	mg/kg	0.01000	0.01000	1	2/24/02	20:28	B. Messay	8260B	5883
Methylene chloride	ND	mg/kg	0.00500	0.00500	1	2/24/02	20:28	B. Messay	8260B	5883
Naphthalene	ND	mg/kg	0.00500	0.00500	1	2/24/02	20:28	B. Messay	8260B	5883
n-Propylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Styrene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,1,2,2-Tetrachloroethane	0.02930	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Tetrachloroethene	0.00740	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Toluene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,2,3-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,2,4-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,1,1-Trichloroethane	0.00900	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,1,2-Trichloroethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Trichloroethene	0.04400	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,2,3-Trichloropropane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26938
Sample ID: SS-5
Project: 50017083
Page 5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
1,3,5-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Vinyl chloride	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Xylenes (Total)	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Bromodichloromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
Trichlorofluoromethane	ND	mg/kg	0.00200	0.00200	1	2/24/02	20:28	B. Messay	8260B	5883
METALS										
Arsenic	6.87	mg/kg	0.954	0.954	1	2/22/02	16:39	Rob Hunt	6010B	2718
Barium	179.	mg/kg	0.954	0.954	1	2/22/02	16:39	Rob Hunt	6010B	2718
Cadmium	ND	mg/kg	0.954	0.954	1	2/22/02	16:39	Rob Hunt	6010B	2718
Chromium	13.2	mg/kg	0.954	0.954	1	2/22/02	16:39	Rob Hunt	6010B	2718
Lead	9.16	mg/kg	0.954	0.954	1	2/22/02	16:39	Rob Hunt	6010B	2718
Mercury	ND	mg/kg	0.100	0.100	1	2/22/02	14:35	K. Ahmed	7471A	2321
Selenium	ND	mg/kg	0.954	0.954	1	2/22/02	16:39	Rob Hunt	6010B	2718
Silver	ND	mg/kg	0.954	0.954	1	2/22/02	16:39	Rob Hunt	6010B	2718

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	29.9 gm	1.0 ml	2/ 2/02		D. Harris	3550

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	56. - 145.
VOA Surr Toluene-d8	99.	71. - 137.
VOA Surr, 4-BFB	106.	72. - 141.
VOA Surr, DBFM	101.	69. - 134.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26938
Sample ID: SS-5
Project: 50017083

Surrogate	% Recovery	Target Range
BNA Surr-Nitrobenzene-d5	64.	15. - 126.
BNA Surr-2-Fluorobiphenyl	65.	22. - 119.
BNA Surr-Terphenyl-d14	77.	25. - 147.
BNA Surr-Phenol-d5	78.	1. - 156.
BNA Surr-2-Fluorophenol	77.	2. - 159.
BNA Surr-2,4,6-Tribromophenol	93.	22. - 152.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 50017083
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A26939
Sample ID: SS-6D
Sample Type: Soil
Site ID:

Date Collected: 2/20/02
Time Collected: 11:30
Date Received: 2/21/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Acenaphthylene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Benzo(a)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Benzo(a)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Benzo(b)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Benzo(g,h,i)perylene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Benzo(k)fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
4-Bromophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Butylbenzylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Carbazole	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
4-Chloro-3-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
4-Chloroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
bis(2-Chloroethoxy)methane	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
bis(2-Chloroethyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2-Chloronaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2-Chlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
4-Chlorophenylphenylether	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Chrysene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Dibenzofuran	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26939
Sample ID: SS-6D
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibenz(a,h)anthracene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
1,2-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
1,3-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
1,4-Dichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
3,3'-Dichlorobenzidine	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2,4-Dichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Diethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2,4-Dimethylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Dimethylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Di-n-butylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2,4-Dinitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2,4-dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2,6-Dinitrotoluene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Di-n-octylphthalate	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Fluoranthene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Fluorene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Hexachlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Hexachlorobutadiene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Hexachlorocyclopentadiene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Hexachloroethane	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Isophorone	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2-Methylnaphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
m,p-Methylphenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Naphthalene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
3-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
4-Nitroaniline	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Nitrobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
4-Nitrophenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
N-nitrosodi-n-propylamine	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26939
Sample ID: SS-6D
Project: 50017083

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
N-nitrosodiphenylamine	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Pentachlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Phenanthrene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Phenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Pyrene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
1,2,4-Trichlorobenzene	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2,4,5-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
2,4,6-Trichlorophenol	ND	mg/kg	0.330	0.330	1	2/24/02	13:33	M. Cobb	8270C	4827
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.05000	0.05000	1	2/22/02	1:34	M.Schott	8260B	2370
Benzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Bromobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Bromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Bromoform	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Bromomethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
2-Butanone	ND	mg/kg	0.05000	0.05000	1	2/22/02	1:34	M.Schott	8260B	2370
n-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
sec-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
t-Butylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Carbon disulfide	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Carbon tetrachloride	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Chlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Chloroethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Chloroform	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Chloromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
2-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
4-Chlorotoluene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.01000	0.01000	1	2/22/02	1:34	M.Schott	8260B	2370
Dibromochloromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,2-Dibromoethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Dibromomethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,2-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26939
Sample ID: SS-6D
Project: 50017083
Page 4

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,4-Dichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Dichlorodifluoromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,1-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,2-Dichloroethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,1-Dichloroethene	0.00360	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
cis-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
trans-1,2-Dichloroethene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,3-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
2,2-Dichloropropane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,1-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
cis-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
trans-1,3-Dichloropropene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Ethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Hexachlorobutadiene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
2-Hexanone	ND	mg/kg	0.01000	0.01000	1	2/22/02	1:34	M.Schott	8260B	2370
Isopropylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
4-Isopropyltoluene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
4-Methyl-2-pentanone	ND	mg/kg	0.01000	0.01000	1	2/22/02	1:34	M.Schott	8260B	2370
Methylene chloride	ND	mg/kg	0.00500	0.00500	1	2/22/02	1:34	M.Schott	8260B	2370
Naphthalene	ND	mg/kg	0.00500	0.00500	1	2/22/02	1:34	M.Schott	8260B	2370
n-Propylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Styrene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Tetrachloroethene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Toluene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,2,3-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,2,4-Trichlorobenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,1,1-Trichloroethane	0.05230	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,1,2-Trichloroethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Trichloroethene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,2,3-Trichloropropane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A26939
Sample ID: SS-6D
Project: 50017083
Page 5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
1,3,5-Trimethylbenzene	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Vinyl chloride	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Xylenes (Total)	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Bromodichloromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
Trichlorofluoromethane	ND	mg/kg	0.00200	0.00200	1	2/22/02	1:34	M.Schott	8260B	2370
METALS										
Arsenic	7.04	mg/kg	0.978	0.978	1	2/22/02	16:39	Rob Hunt	6010B	2718
Barium	154.	mg/kg	0.978	0.978	1	2/22/02	16:39	Rob Hunt	6010B	2718
Cadmium	ND	mg/kg	0.978	0.978	1	2/22/02	16:39	Rob Hunt	6010B	2718
Chromium	13.7	mg/kg	0.978	0.978	1	2/22/02	16:39	Rob Hunt	6010B	2718
Lead	9.20	mg/kg	0.978	0.978	1	2/22/02	16:39	Rob Hunt	6010B	2718
Mercury	ND	mg/kg	0.100	0.100	1	2/22/02	14:35	K. Ahmed	7471A	2321
Selenium	ND	mg/kg	0.978	0.978	1	2/22/02	16:39	Rob Hunt	6010B	2718
Silver	ND	mg/kg	0.978	0.978	1	2/22/02	16:39	Rob Hunt	6010B	2718

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	29.9 gm	1.0 ml	2/ 2/02		D. Harris	3550

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	121.	56. - 145.
VOA Surr Toluene-d8	80.	71. - 137.
VOA Surr, 4-BFB	111.	72. - 141.
VOA Surr, DBFM	106.	69. - 134.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A26939
Sample ID: SS-6D
Project: 50017083

Surrogate	% Recovery	Target Range
BNA Surr-Nitrobenzene-d5	22.	15. - 126.
BNA Surr-2-Fluorobiphenyl	23.	22. - 119.
BNA Surr-Terphenyl-d14	25.	25. - 147.
BNA Surr-Phenol-d5	27.	1. - 156.
BNA Surr-2-Fluorophenol	27.	2. - 159.
BNA Surr-2,4,6-Tribromophenol	28.	22. - 152.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/kg	< 0.00200	0.04930	0.05000	99	58. - 136.	2370	BLANK
Benzene	mg/kg	< 0.00200	0.05050	0.05000	101	58. - 136.	5883	BLANK
Chlorobenzene	mg/kg	< 0.00200	0.04440	0.05000	89	43. - 140.	2370	BLANK
Chlorobenzene	mg/kg	< 0.00200	0.05210	0.05000	104	43. - 140.	5883	BLANK
1,1-Dichloroethene	mg/kg	< 0.00200	0.05060	0.05000	101	62. - 134.	2370	BLANK
1,1-Dichloroethene	mg/kg	< 0.00200	0.04800	0.05000	96	62. - 134.	5883	BLANK
Toluene	mg/kg	< 0.00200	0.04610	0.05000	92	54. - 139.	2370	BLANK
Toluene	mg/kg	< 0.00200	0.04790	0.05000	96	54. - 139.	5883	BLANK
Trichloroethene	mg/kg	< 0.00200	0.04860	0.05000	97	51. - 142.	2370	BLANK
Trichloroethene	mg/kg	< 0.00200	0.05140	0.05000	103	51. - 142.	5883	BLANK

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
EXTRACTABLE PARAMETERS								
Acenaphthene	mg/kg	< 0.330	1.22	1.67	73	29. - 125.	4827	02-A26934
Acenaphthylene	mg/kg	< 0.330	1.19	1.67	71	31. - 122.	4827	02-A26934
Anthracene	mg/kg	< 0.330	1.19	1.67	71	30. - 127.	4827	02-A26934
Benzo(a)anthracene	mg/kg	< 0.330	1.22	1.67	73	34. - 125.	4827	02-A26934
Benzo(a)pyrene	mg/kg	< 0.330	1.22	1.67	73	34. - 129.	4827	02-A26934
Benzo(b)fluoranthene	mg/kg	< 0.330	1.35	1.67	81	33. - 127.	4827	02-A26934
Benzo(g,h,i)perylene	mg/kg	< 0.330	0.825	1.67	49	5. - 146.	4827	02-A26934
Benzo(k)fluoranthene	mg/kg	< 0.330	1.35	1.67	81	31. - 143.	4827	02-A26934
4-Bromophenylphenylether	mg/kg	< 0.330	1.35	1.67	81	25. - 126.	4827	02-A26934
Butylbenzylphthalate	mg/kg	< 0.330	1.35	1.67	81	31. - 136.	4827	02-A26934
Carbazole	mg/kg	< 0.330	1.25	1.67	75	37. - 130.	4827	02-A26934
4-Chloro-3-methylphenol	mg/kg	< 0.330	1.29	1.67	77	29. - 135.	4827	02-A26934

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 2

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
4-Chloroaniline	mg/kg	< 0.330	1.12	1.67	67	24. - 134.	4827	02-A26934
bis(2-Chloroethoxy)methane	mg/kg	< 0.330	1.09	1.67	65	27. - 122.	4827	02-A26934
bis(2-Chloroethyl)ether	mg/kg	< 0.330	1.02	1.67	61	24. - 125.	4827	02-A26934
bis(2-Chloroisopropyl)ether	mg/kg	< 0.330	1.06	1.67	63	24. - 122.	4827	02-A26934
2-Chloronaphthalene	mg/kg	< 0.330	1.22	1.67	73	26. - 119.	4827	02-A26934
2-Chlorophenol	mg/kg	< 0.330	1.09	1.67	65	25. - 120.	4827	02-A26934
4-Chlorophenylphenylether	mg/kg	< 0.330	1.25	1.67	75	31. - 125.	4827	02-A26934
Chrysene	mg/kg	< 0.330	1.19	1.67	71	34. - 131.	4827	02-A26934
Dibenzofuran	mg/kg	< 0.330	1.25	1.67	75	29. - 121.	4827	02-A26934
Dibenz(a,h)anthracene	mg/kg	< 0.330	0.858	1.67	51	8. - 138.	4827	02-A26934
1,2-Dichlorobenzene	mg/kg	< 0.330	1.12	1.67	67	23. - 117.	4827	02-A26934
1,3-Dichlorobenzene	mg/kg	< 0.330	1.12	1.67	67	22. - 113.	4827	02-A26934
1,4-Dichlorobenzene	mg/kg	< 0.330	1.12	1.67	67	22. - 117.	4827	02-A26934
3,3'-Dichlorobenzidine	mg/kg	< 0.330	1.35	1.67	81	1. - 174.	4827	02-A26934
2,4-Dichlorophenol	mg/kg	< 0.330	1.29	1.67	77	22. - 128.	4827	02-A26934
Diethylphthalate	mg/kg	< 0.330	1.25	1.67	75	38. - 123.	4827	02-A26934
2,4-Dimethylphenol	mg/kg	< 0.330	0.990	1.67	59	16. - 126.	4827	02-A26934
Dimethylphthalate	mg/kg	< 0.330	1.25	1.67	75	37. - 124.	4827	02-A26934
Di-n-butylphthalate	mg/kg	< 0.330	1.25	1.67	75	41. - 127.	4827	02-A26934
4,6-Dinitro-2-methylphenol	mg/kg	< 0.330	1.25	1.67	75	6. - 149.	4827	02-A26934
2,4-Dinitrophenol	mg/kg	< 0.330	1.09	1.67	65	1. - 153.	4827	02-A26934
2,4-dinitrotoluene	mg/kg	< 0.330	1.32	1.67	79	17. - 140.	4827	02-A26934
2,6-Dinitrotoluene	mg/kg	< 0.330	1.29	1.67	77	21. - 140.	4827	02-A26934
Di-n-octylphthalate	mg/kg	< 0.330	1.75	1.67	105	23. - 162.	4827	02-A26934
Fluoranthene	mg/kg	< 0.330	1.22	1.67	73	37. - 127.	4827	02-A26934
Fluorene	mg/kg	< 0.330	1.22	1.67	73	32. - 126.	4827	02-A26934
Hexachlorobenzene	mg/kg	< 0.330	1.39	1.67	83	30. - 127.	4827	02-A26934
Hexachlorobutadiene	mg/kg	< 0.330	1.25	1.67	75	15. - 127.	4827	02-A26934
Hexachlorocyclopentadiene	mg/kg	< 0.330	0.693	1.67	41	1. - 117.	4827	02-A26934
Hexachloroethane	mg/kg	< 0.330	1.09	1.67	65	1. - 133.	4827	02-A26934
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.330	0.825	1.67	49	7. - 138.	4827	02-A26934
Isophorone	mg/kg	< 0.330	1.09	1.67	65	25. - 123.	4827	02-A26934
2-Methylnaphthalene	mg/kg	< 0.330	1.22	1.67	73	8. - 135.	4827	02-A26934

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
2-Methylphenol	mg/kg	< 0.330	1.09	1.67	65	25. - 128.	4827	02-A26934
m,p-Methylphenol	mg/kg	< 0.330	1.12	1.67	67	28. - 127.	4827	02-A26934
Naphthalene	mg/kg	< 0.330	1.12	1.67	67	18. - 121.	4827	02-A26934
2-Nitroaniline	mg/kg	< 0.330	1.29	1.67	77	13. - 138.	4827	02-A26934
3-Nitroaniline	mg/kg	< 0.330	1.22	1.67	73	17. - 151.	4827	02-A26934
4-Nitroaniline	mg/kg	< 0.330	1.22	1.67	73	13. - 153.	4827	02-A26934
Nitrobenzene	mg/kg	< 0.330	1.06	1.67	63	15. - 128.	4827	02-A26934
2-Nitrophenol	mg/kg	< 0.330	1.19	1.67	71	25. - 128.	4827	02-A26934
4-Nitrophenol	mg/kg	< 0.330	1.06	1.67	63	4. - 140.	4827	02-A26934
N-nitrosodi-n-propylamine	mg/kg	< 0.330	1.06	1.67	63	27. - 126.	4827	02-A26934
N-nitrosodiphenylamine	mg/kg	< 0.330	1.25	1.67	75	17. - 133.	4827	02-A26934
Pentachlorophenol	mg/kg	< 0.330	1.22	1.67	73	9. - 139.	4827	02-A26934
Phenanthrene	mg/kg	< 0.330	1.22	1.67	73	30. - 127.	4827	02-A26934
Phenol	mg/kg	< 0.330	1.19	1.67	71	26. - 124.	4827	02-A26934
Pyrene	mg/kg	< 0.330	1.32	1.67	79	27. - 129.	4827	02-A26934
Bis(2-ethylhexyl)phthalate	mg/kg	< 0.330	1.35	1.67	81	27. - 143.	4827	02-A26934
1,2,4-Trichlorobenzene	mg/kg	< 0.330	1.19	1.67	71	17. - 125.	4827	02-A26934
2,4,5-Trichlorophenol	mg/kg	< 0.330	1.32	1.67	79	30. - 128.	4827	02-A26934
2,4,6-Trichlorophenol	mg/kg	< 0.330	1.29	1.67	77	28. - 129.	4827	02-A26934

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
METALS								
Arsenic	mg/kg	6.175	26.772	20.000	103	80 - 120	2718	Duplicate
Barium	mg/kg	165.339	604.331	400.000	110	80 - 120	2718	Duplicate
Cadmium	mg/kg	< 0.996	19.291	20.000	96	80 - 120	2718	Duplicate
Chromium	mg/kg	18.327	57.874	40.000	99	80 - 120	2718	Duplicate
Lead	mg/kg	8.964	101.968	100.000	93	80 - 120	2718	Duplicate
Mercury	mg/kg	< 0.100	0.200	0.170	118	80 - 120	2321	02-A26939

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 4

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
Selenium	mg/kg	< 0.996	17.913	20.000	90	80 - 120	2718	Duplicate
Silver	mg/kg	< 0.996	8.661	10.000	87	80 - 120	2718	Duplicate

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/kg	0.04930	0.05820	16.56	30.	2370
Benzene	mg/kg	0.05050	0.04720	6.76	30.	5883
Chlorobenzene	mg/kg	0.04440	0.04890	9.65	38.	2370
Chlorobenzene	mg/kg	0.05210	0.05090	2.33	38.	5883
1,1-Dichloroethene	mg/kg	0.05060	0.05650	11.02	38.	2370
1,1-Dichloroethene	mg/kg	0.04800	0.04630	3.61	38.	5883
Toluene	mg/kg	0.04610	0.04770	3.41	32.	2370
Toluene	mg/kg	0.04790	0.04690	2.11	32.	5883
Trichloroethene	mg/kg	0.04860	0.04930	1.43	35.	2370
Trichloroethene	mg/kg	0.05140	0.04880	5.19	35.	5883

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/kg	1.22	1.09	11.26	36.	4827
4-Chloro-3-methylphenol	mg/kg	1.29	1.19	8.06	35.	4827
2-Chlorophenol	mg/kg	1.09	0.990	9.62	39.	4827
1,4-Dichlorobenzene	mg/kg	1.12	1.02	9.35	41.	4827
2,4-dinitrotoluene	mg/kg	1.32	1.22	7.87	41.	4827

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 50017083
Page: 5

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
4-Nitrophenol	mg/kg	1.06	0.957	10.21	43.	4827
N-nitrosodi-n-propylamine	mg/kg	1.06	0.990	6.83	35.	4827
Pentachlorophenol	mg/kg	1.22	1.09	11.26	61.	4827
Phenol	mg/kg	1.19	1.06	11.56	38.	4827
Pyrene	mg/kg	1.32	1.22	7.87	39.	4827
1,2,4-Trichlorobenzene	mg/kg	1.19	1.09	8.77	42.	4827

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
METALS						
Arsenic	mg/kg	26.772	26.731	0.15	20	2718
Barium	mg/kg	604.331	561.538	7.34	20	2718
Cadmium	mg/kg	19.291	19.038	1.32	20	2718
Chromium	mg/kg	57.874	49.231	16.14	20	2718
Lead	mg/kg	101.968	100.192	1.76	20	2718
Mercury	mg/kg	0.200	0.200	0.00	20	2321
Selenium	mg/kg	17.913	17.692	1.24	20	2718
Silver	mg/kg	8.661	8.846	2.11	20	2718

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Acetone	mg/kg	0.2500	0.2900	116	45 - 154	2370
Acetone	mg/kg	0.2500	0.2630	105	45 - 154	5883
Benzene	mg/kg	0.05000	0.05620	112	79 - 127	2370
Benzene	mg/kg	0.05000	0.04960	99	79 - 127	5883
Bromobenzene	mg/kg	0.05000	0.05280	106	75 - 121	2370

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Bromobenzene	mg/kg	0.05000	0.04960	99	75 - 121	5883
Bromochloromethane	mg/kg	0.05000	0.04910	98	75 - 137	2370
Bromochloromethane	mg/kg	0.05000	0.05150	103	75 - 137	5883
Bromoform	mg/kg	0.05000	0.05090	102	65 - 142	2370
Bromoform	mg/kg	0.05000	0.04600	92	65 - 142	5883
Bromomethane	mg/kg	0.05000	0.05770	115	57 - 139	2370
Bromomethane	mg/kg	0.05000	0.05470	109	57 - 139	5883
2-Butanone	mg/kg	0.2500	0.2160	86	57 - 150	2370
2-Butanone	mg/kg	0.2500	0.2670	107	57 - 150	5883
n-Butylbenzene	mg/kg	0.05000	0.04960	99	58 - 131	2370
n-Butylbenzene	mg/kg	0.05000	0.05360	107	58 - 131	5883
sec-Butylbenzene	mg/kg	0.05000	0.05760	115	72 - 130	2370
sec-Butylbenzene	mg/kg	0.05000	0.05020	100	72 - 130	5883
t-Butylbenzene	mg/kg	0.05000	0.05920	118	73 - 127	2370
t-Butylbenzene	mg/kg	0.05000	0.04980	100	73 - 127	5883
Carbon disulfide	mg/kg	0.05000	0.05570	111	73 - 133	2370
Carbon disulfide	mg/kg	0.05000	0.05140	103	73 - 133	5883
Carbon tetrachloride	mg/kg	0.05000	0.05320	106	79 - 126	2370
Carbon tetrachloride	mg/kg	0.05000	0.05100	102	79 - 126	5883
Chlorobenzene	mg/kg	0.05000	0.05430	109	78 - 123	2370
Chlorobenzene	mg/kg	0.05000	0.05180	104	78 - 123	5883
Chloroethane	mg/kg	0.05000	0.05540	111	64 - 140	2370
Chloroethane	mg/kg	0.05000	0.04650	93	64 - 140	5883
Chloroform	mg/kg	0.05000	0.05230	105	77 - 127	2370
Chloroform	mg/kg	0.05000	0.05000	100	77 - 127	5883
Chloromethane	mg/kg	0.05000	0.04640	93	54 - 146	2370
Chloromethane	mg/kg	0.05000	0.03920	78	54 - 146	5883
2-Chlorotoluene	mg/kg	0.05000	0.05500	110	71 - 125	2370
2-Chlorotoluene	mg/kg	0.05000	0.05040	101	71 - 125	5883
4-Chlorotoluene	mg/kg	0.05000	0.05310	106	67 - 127	2370
4-Chlorotoluene	mg/kg	0.05000	0.05080	102	67 - 127	5883
1,2-Dibromo-3-chloropropane	mg/kg	0.05000	0.05750	115	57 - 142	2370
1,2-Dibromo-3-chloropropane	mg/kg	0.05000	0.05060	101	57 - 142	5883

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Dibromochloromethane	mg/kg	0.05000	0.05320	106	74 - 132	2370
Dibromochloromethane	mg/kg	0.05000	0.04740	95	74 - 132	5883
1,2-Dibromoethane	mg/kg	0.05000	0.05230	105	76 - 135	2370
1,2-Dibromoethane	mg/kg	0.05000	0.04820	96	76 - 135	5883
Dibromomethane	mg/kg	0.05000	0.05560	111	77 - 130	2370
Dibromomethane	mg/kg	0.05000	0.05000	100	77 - 130	5883
1,2-Dichlorobenzene	mg/kg	0.05000	0.05200	104	71 - 126	2370
1,2-Dichlorobenzene	mg/kg	0.05000	0.04860	97	71 - 126	5883
1,3-Dichlorobenzene	mg/kg	0.05000	0.05160	103	64 - 128	2370
1,3-Dichlorobenzene	mg/kg	0.05000	0.05070	101	64 - 128	5883
1,4-Dichlorobenzene	mg/kg	0.05000	0.05030	101	62 - 127	2370
1,4-Dichlorobenzene	mg/kg	0.05000	0.05010	100	62 - 127	5883
Dichlorodifluoromethane	mg/kg	0.05000	0.05270	105	57 - 147	2370
Dichlorodifluoromethane	mg/kg	0.05000	0.04810	96	57 - 147	5883
1,1-Dichloroethane	mg/kg	0.05000	0.05720	114	76 - 129	2370
1,1-Dichloroethane	mg/kg	0.05000	0.04990	100	76 - 129	5883
1,2-Dichloroethane	mg/kg	0.05000	0.05680	114	75 - 127	2370
1,2-Dichloroethane	mg/kg	0.05000	0.05110	102	75 - 127	5883
1,1-Dichloroethene	mg/kg	0.05000	0.05540	111	78 - 130	2370
1,1-Dichloroethene	mg/kg	0.05000	0.04840	97	78 - 130	5883
cis-1,2-Dichloroethene	mg/kg	0.05000	0.05160	103	80 - 124	2370
cis-1,2-Dichloroethene	mg/kg	0.05000	0.05060	101	80 - 124	5883
trans-1,2-Dichloroethene	mg/kg	0.05000	0.06220	124	77 - 125	2370
trans-1,2-Dichloroethene	mg/kg	0.05000	0.05080	102	77 - 125	5883
1,2-Dichloropropane	mg/kg	0.05000	0.05960	119	79 - 124	2370
1,2-Dichloropropane	mg/kg	0.05000	0.05000	100	79 - 124	5883
1,3-Dichloropropane	mg/kg	0.05000	0.05470	109	77 - 128	2370
1,3-Dichloropropane	mg/kg	0.05000	0.05110	102	77 - 128	5883
2,2-Dichloropropane	mg/kg	0.05000	0.05020	100	64 - 137	2370
2,2-Dichloropropane	mg/kg	0.05000	0.05170	103	64 - 137	5883
1,1-Dichloropropene	mg/kg	0.05000	0.05570	111	77 - 129	2370
1,1-Dichloropropene	mg/kg	0.05000	0.05020	100	77 - 129	5883
cis-1,3-Dichloropropene	mg/kg	0.05000	0.05090	102	75 - 126	2370

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Dibromomethane	< 0.00200	mg/kg	2370	2/21/02	19:58
Dibromomethane	< 0.00200	mg/kg	5883	2/21/02	16:32
1,2-Dichlorobenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,2-Dichlorobenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,3-Dichlorobenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,3-Dichlorobenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,4-Dichlorobenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,4-Dichlorobenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
Dichlorodifluoromethane	< 0.00200	mg/kg	2370	2/21/02	19:58
Dichlorodifluoromethane	< 0.00200	mg/kg	5883	2/21/02	16:32
1,1-Dichloroethane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,1-Dichloroethane	< 0.00200	mg/kg	5883	2/21/02	16:32
1,2-Dichloroethane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,2-Dichloroethane	< 0.00200	mg/kg	5883	2/21/02	16:32
1,1-Dichloroethene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,1-Dichloroethene	< 0.00200	mg/kg	5883	2/21/02	16:32
cis-1,2-Dichloroethene	< 0.00200	mg/kg	2370	2/21/02	19:58
cis-1,2-Dichloroethene	< 0.00200	mg/kg	5883	2/21/02	16:32
trans-1,2-Dichloroethene	< 0.00200	mg/kg	2370	2/21/02	19:58
trans-1,2-Dichloroethene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,2-Dichloropropane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,2-Dichloropropane	< 0.00200	mg/kg	5883	2/21/02	16:32
1,3-Dichloropropane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,3-Dichloropropane	< 0.00200	mg/kg	5883	2/21/02	16:32
2,2-Dichloropropane	< 0.00200	mg/kg	2370	2/21/02	19:58
2,2-Dichloropropane	< 0.00200	mg/kg	5883	2/21/02	16:32
1,1-Dichloropropene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,1-Dichloropropene	< 0.00200	mg/kg	5883	2/21/02	16:32
cis-1,3-Dichloropropene	< 0.00200	mg/kg	2370	2/21/02	19:58
cis-1,3-Dichloropropene	< 0.00200	mg/kg	5883	2/21/02	16:32
trans-1,3-Dichloropropene	< 0.00200	mg/kg	2370	2/21/02	19:58
trans-1,3-Dichloropropene	< 0.00200	mg/kg	5883	2/21/02	16:32
Ethylbenzene	< 0.00200	mg/kg	2370	2/21/02	19:58

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylbenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
Hexachlorobutadiene	< 0.00200	mg/kg	2370	2/21/02	19:58
Hexachlorobutadiene	< 0.00200	mg/kg	5883	2/21/02	16:32
2-Hexanone	< 0.01000	mg/kg	2370	2/21/02	19:58
2-Hexanone	< 0.01000	mg/kg	5883	2/21/02	16:32
Isopropylbenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
Isopropylbenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
4-Isopropyltoluene	< 0.00200	mg/kg	2370	2/21/02	19:58
4-Isopropyltoluene	< 0.00200	mg/kg	5883	2/21/02	16:32
4-Methyl-2-pentanone	< 0.01000	mg/kg	2370	2/21/02	19:58
4-Methyl-2-pentanone	< 0.01000	mg/kg	5883	2/21/02	16:32
Methylene chloride	< 0.00200	mg/kg	2370	2/21/02	19:58
Methylene chloride	< 0.00200	mg/kg	5883	2/21/02	16:32
Naphthalene	< 0.00500	mg/kg	2370	2/21/02	19:58
Naphthalene	< 0.00500	mg/kg	5883	2/21/02	16:32
n-Propylbenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
n-Propylbenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
Styrene	< 0.00200	mg/kg	2370	2/21/02	19:58
Styrene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,1,1,2-Tetrachloroethane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,1,1,2-Tetrachloroethane	< 0.00200	mg/kg	5883	2/21/02	16:32
1,1,2,2-Tetrachloroethane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,1,2,2-Tetrachloroethane	< 0.00200	mg/kg	5883	2/21/02	16:32
Tetrachloroethene	< 0.00200	mg/kg	2370	2/21/02	19:58
Tetrachloroethene	< 0.00200	mg/kg	5883	2/21/02	16:32
Toluene	< 0.00200	mg/kg	2370	2/21/02	19:58
Toluene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,2,3-Trichlorobenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,2,3-Trichlorobenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,2,4-Trichlorobenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,2,4-Trichlorobenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,1,1-Trichloroethane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,1,1-Trichloroethane	< 0.00200	mg/kg	5883	2/21/02	16:32

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1,1-Trichloroethane	< 0.00200	mg/kg	5885	2/23/02	5:42
1,1,2-Trichloroethane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,1,2-Trichloroethane	< 0.00200	mg/kg	5883	2/21/02	16:32
Trichloroethene	< 0.00200	mg/kg	2370	2/21/02	19:58
Trichloroethene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,2,3-Trichloropropane	< 0.00200	mg/kg	2370	2/21/02	19:58
1,2,3-Trichloropropane	< 0.00200	mg/kg	5883	2/21/02	16:32
1,2,4-Trimethylbenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,2,4-Trimethylbenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
1,3,5-Trimethylbenzene	< 0.00200	mg/kg	2370	2/21/02	19:58
1,3,5-Trimethylbenzene	< 0.00200	mg/kg	5883	2/21/02	16:32
Vinyl chloride	< 0.00200	mg/kg	2370	2/21/02	19:58
Vinyl chloride	< 0.00200	mg/kg	5883	2/21/02	16:32
Xylenes (Total)	< 0.00200	mg/kg	2370	2/21/02	19:58
Xylenes (Total)	< 0.00200	mg/kg	5883	2/21/02	16:32
Bromodichloromethane	< 0.00200	mg/kg	2370	2/21/02	19:58
Bromodichloromethane	< 0.00200	mg/kg	5883	2/21/02	16:32
Trichlorofluoromethane	< 0.00200	mg/kg	2370	2/21/02	19:58
Trichlorofluoromethane	< 0.00200	mg/kg	5883	2/21/02	16:32
VOA Surr 1,2-DCA-d4	118.	% Rec	2370	2/21/02	19:58
VOA Surr 1,2-DCA-d4	116.	% Rec	5883	2/21/02	16:32
VOA Surr 1,2-DCA-d4	100.	% Rec	5885	2/23/02	5:42
VOA Surr Toluene-d8	103.	% Rec	2370	2/21/02	19:58
VOA Surr Toluene-d8	96.	% Rec	5883	2/21/02	16:32
VOA Surr Toluene-d8	97.	% Rec	5885	2/23/02	5:42
VOA Surr, 4-BFB	113.	% Rec	2370	2/21/02	19:58
VOA Surr, 4-BFB	103.	% Rec	5883	2/21/02	16:32
VOA Surr, 4-BFB	104.	% Rec	5885	2/23/02	5:42
VOA Surr, DBFM	97.	% Rec	2370	2/21/02	19:58
VOA Surr, DBFM	102.	% Rec	5883	2/21/02	16:32
VOA Surr, DBFM	98.	% Rec	5885	2/23/02	5:42

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EXTRACTABLE PARAMETERS					
Acenaphthene	< 0.330	mg/kg	4827	2/24/02	2:53
Acenaphthylene	< 0.330	mg/kg	4827	2/24/02	2:53
Anthracene	< 0.330	mg/kg	4827	2/24/02	2:53
Benzo(a)anthracene	< 0.330	mg/kg	4827	2/24/02	2:53
Benzo(a)pyrene	< 0.330	mg/kg	4827	2/24/02	2:53
Benzo(b)fluoranthene	< 0.330	mg/kg	4827	2/24/02	2:53
Benzo(g,h,i)perylene	< 0.330	mg/kg	4827	2/24/02	2:53
Benzo(k)fluoranthene	< 0.330	mg/kg	4827	2/24/02	2:53
4-Bromophenylphenylether	< 0.330	mg/kg	4827	2/24/02	2:53
Butylbenzylphthalate	< 0.330	mg/kg	4827	2/24/02	2:53
Carbazole	< 0.330	mg/kg	4827	2/24/02	2:53
4-Chloro-3-methylphenol	< 0.330	mg/kg	4827	2/24/02	2:53
4-Chloroaniline	< 0.330	mg/kg	4827	2/24/02	2:53
bis(2-Chloroethoxy)methane	< 0.330	mg/kg	4827	2/24/02	2:53
bis(2-Chloroethyl)ether	< 0.330	mg/kg	4827	2/24/02	2:53
bis(2-Chloroisopropyl)ether	< 0.330	mg/kg	4827	2/24/02	2:53
2-Chloronaphthalene	< 0.330	mg/kg	4827	2/24/02	2:53
2-Chlorophenol	< 0.330	mg/kg	4827	2/24/02	2:53
4-Chlorophenylphenylether	< 0.330	mg/kg	4827	2/24/02	2:53
Chrysene	< 0.330	mg/kg	4827	2/24/02	2:53
Dibenzofuran	< 0.330	mg/kg	4827	2/24/02	2:53
Dibenz(a,h)anthracene	< 0.330	mg/kg	4827	2/24/02	2:53
1,2-Dichlorobenzene	< 0.330	mg/kg	4827	2/24/02	2:53
1,3-Dichlorobenzene	< 0.330	mg/kg	4827	2/24/02	2:53
1,4-Dichlorobenzene	< 0.330	mg/kg	4827	2/24/02	2:53
3,3'-Dichlorobenzidine	< 0.330	mg/kg	4827	2/24/02	2:53
2,4-Dichlorophenol	< 0.330	mg/kg	4827	2/24/02	2:53
Diethylphthalate	< 0.330	mg/kg	4827	2/24/02	2:53
2,4-Dimethylphenol	< 0.330	mg/kg	4827	2/24/02	2:53
Dimethylphthalate	< 0.330	mg/kg	4827	2/24/02	2:53
Di-n-butylphthalate	< 0.330	mg/kg	4827	2/24/02	2:53

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
4,6-Dinitro-2-methylphenol	< 0.330	mg/kg	4827	2/24/02	2:53
2,4-Dinitrophenol	< 0.330	mg/kg	4827	2/24/02	2:53
2,4-dinitrotoluene	< 0.330	mg/kg	4827	2/24/02	2:53
2,6-Dinitrotoluene	< 0.330	mg/kg	4827	2/24/02	2:53
Di-n-octylphthalate	< 0.330	mg/kg	4827	2/24/02	2:53
Fluoranthene	< 0.330	mg/kg	4827	2/24/02	2:53
Fluorene	< 0.330	mg/kg	4827	2/24/02	2:53
Hexachlorobenzene	< 0.330	mg/kg	4827	2/24/02	2:53
Hexachlorobutadiene	< 0.330	mg/kg	4827	2/24/02	2:53
Hexachlorocyclopentadiene	< 0.330	mg/kg	4827	2/24/02	2:53
Hexachloroethane	< 0.330	mg/kg	4827	2/24/02	2:53
Indeno(1,2,3-cd)pyrene	< 0.330	mg/kg	4827	2/24/02	2:53
Isophorone	< 0.330	mg/kg	4827	2/24/02	2:53
2-Methylnaphthalene	< 0.330	mg/kg	4827	2/24/02	2:53
2-Methylphenol	< 0.330	mg/kg	4827	2/24/02	2:53
m,p-Methylphenol	< 0.330	mg/kg	4827	2/24/02	2:53
Naphthalene	< 0.330	mg/kg	4827	2/24/02	2:53
2-Nitroaniline	< 0.330	mg/kg	4827	2/24/02	2:53
3-Nitroaniline	< 0.330	mg/kg	4827	2/24/02	2:53
4-Nitroaniline	< 0.330	mg/kg	4827	2/24/02	2:53
Nitrobenzene	< 0.330	mg/kg	4827	2/24/02	2:53
2-Nitrophenol	< 0.330	mg/kg	4827	2/24/02	2:53
4-Nitrophenol	< 0.330	mg/kg	4827	2/24/02	2:53
N-nitrosodi-n-propylamine	< 0.330	mg/kg	4827	2/24/02	2:53
N-nitrosodiphenylamine	< 0.330	mg/kg	4827	2/24/02	2:53
Pentachlorophenol	< 0.330	mg/kg	4827	2/24/02	2:53
Phenanthrene	< 0.330	mg/kg	4827	2/24/02	2:53
Phenol	< 0.330	mg/kg	4827	2/24/02	2:53
Pyrene	< 0.330	mg/kg	4827	2/24/02	2:53
Bis(2-ethylhexyl)phthalate	< 0.330	mg/kg	4827	2/24/02	2:53
1,2,4-Trichlorobenzene	< 0.330	mg/kg	4827	2/24/02	2:53
2,4,5-Trichlorophenol	< 0.330	mg/kg	4827	2/24/02	2:53
2,4,6-Trichlorophenol	< 0.330	mg/kg	4827	2/24/02	2:53

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 50017083

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
METALS					
Arsenic	< 1.000	mg/kg	2718	2/22/02	16:39
Barium	< 1.000	mg/kg	2718	2/22/02	16:39
Cadmium	< 1.000	mg/kg	2718	2/22/02	16:39
Chromium	< 1.000	mg/kg	2718	2/22/02	16:39
Lead	< 1.000	mg/kg	2718	2/22/02	16:39
Mercury	< 0.100	mg/kg	2321	2/22/02	14:35
Selenium	< 1.000	mg/kg	2718	2/22/02	16:39
Silver	< 1.000	mg/kg	2718	2/22/02	16:39

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 272799

SAMPLE NONCONFORMANCE/COC REVISION FORM

TestAmerica INCORPORATED
Nashville Division

272680
272690

ACCT NO. _____

DATE RECEIVED 2/21/02

COMPANY TERRACON

Relinquished by:	Date/Time:	Received by:	Date/Time
		PR 2/21/03	
Relinquished by:	Date/Time:	Received by:	Date/Time:
		PRS 2/21/01	10:30
Relinquished by:	Date/Time:	Received by:	Date/Time:

PROBLEM(S): ~~272~~

FOC/TOC? 265226-29

TPH METHOD? 265245-48

EDB METHOD?

NEED LIST OF COMPOUNDS:

TEMPERATURE UPON RECEIPT

ICE -- OR-- NO ICE??

NO COC - PLEASE FAX

DOCUMENTATION LEVEL?

METALS LIST?

TCLP WHAT?

HERB LIST- LONG OR SHORT?

8260 INSTEAD OF 8021?

SATURDAY DELIVERY MARKED?

FIELD TEST-- OUT OF HOLD

NO ANALYSIS REQUESTED

OUT OF HOLDING TIME-- TEST

OTHER: _____

RESOLUTION: 9451 / Because these are TCLP 7 days TAT

CONTACTED	DATE/TIME	EMAIL	LEFT MESSAGE
Tmcie R.	2/21/02 10:42		

Revised 8/9/00

SAMPLE NONCONFORMANCE/COC REVISION FORM

TestAmerica 272688 272690
Nashville Division

ACCT NO. _____

DATE RECEIVED 2/21/02

COMPANY TERRACON

Relinquished by:	Date/Time:	Received by:	Date/Time
		PR 2/21/02	
Relinquished by:	Date/Time:	Received by:	Date/Time:
		PRS 2/21/01	10:30
Relinquished by:	Date/Time:	Received by:	Date/Time:

PROBLEM(S): ~~272~~

FOC/TOC? 265226-29

TPH METHOD? 265245-48

EDB METHOD?

NEED LIST OF COMPOUNDS:

TEMPERATURE UPON RECEIPT

ICE -- OR-- NO ICE??

NO COC - PLEASE FAX

DOCUMENTATION LEVEL?

METALS LIST?

TCLP WHAT?

HERB LIST- LONG OR SHORT?

8260 INSTEAD OF 8021?

SATURDAY DELIVERY MARKED?

FIELD TEST-- OUT OF HOLD

NO ANALYSIS REQUESTED

OUT OF HOLDING TIME-- TEST

OTHER: _____

RESOLUTION: 9451 / Because these are TCLP 7 days TAT

CONTACTED	DATE/TIME	EMAIL	LEFT MESSAGE
Tracie R.	2/21/02 10:42		

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: Terracon BC# 272688

Cooler Received On: 2/20/02 And Opened On: 2/20/02 By: Paul Buckingham

(Signature)

1. Temperature of Cooler when opened 18.0 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES...NO
   a. If yes, how many, what kind and where: 1 front
3. Were custody seals on containers and intact?.....NO...YES
4. Were the seals intact, signed, and dated correctly?.....YES...NO
5. Were custody papers inside cooler?.....YES...NO
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO
7. Did you sign the custody papers in the appropriate place?.....YES...NO
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO
12. Did all bottle labels and tags agree with custody papers?.....YES...NO
13. Were correct bottles used for the analysis requested?.....YES...NO
14. a. Were VOA vials received?.....YES...NO
    b. Was there any observable head space present in any VOA vial?.....~~NO...YES~~ NA
15. Was sufficient amount of sample sent in each bottle?.....YES...NO
16. Were correct preservatives used?.....YES...NO
17. Was residual chlorine present?.....~~NO...YES~~ NA
18. Corrective action taken, if necessary:

    See attached for resolution

TESTAMERICA, INC.

COOLER RECEIPT FORM

Client: Terracon BC# 272836

Cooler Received On: 2/2/02 And Opened On: 2/2/02 By: Mark Beasley

M. Beasley
(Signature)

1. Temperature of Cooler when opened 30 DEGREES CELSIUS
2. Were custody seals on outside of cooler and intact?.....YES NO
   a. If yes,what kind and where: TAPE
   b. Were the signature and date correct?.....YES NO
3. Were custody seals on containers intact?.....YES NO
4. Were custody papers inside cooler?.....YES NO
5. Were custody papers properly filled out (ink,signed,etc)?.....YES NO
6. Did you sign the custody papers in the appropriate place?.....YES NO
7. What kind of packing material was used? Bubblewrap Peanuts Other None
8. Was sufficient ice used (if appropriate)?.....YES NO
9. Did all bottles arrive in good condition(unbroken)?.....YES NO
10. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES NO
11. Did all bottle labels and tags agree with custody papers?.....YES NO
12. Were correct bottles used for the analysis requested?.....YES NO
13. If present, was any observable VOA headspace present?.....YES NO
14. If present, were VOA vials checked for absence of air bubbles and noted if found?.....YES NO
15. Was sufficient amount of sample sent in each bottle?.....YES NO
16. Were correct preservatives used?.....YES NO
17. Was residual chlorine present (if appropriate?).....YES NO
18. Corrective action taken, if necessary:
    a. Name of person contacted: SEE ATTACHED FOR RESOLUTION IF NEEDED
    b. Date:_____

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: Terracon BC# 272853

Cooler Received On: 2/21 And Opened On: 2/21 By: Kelly Holloman

K Holloman
(Signature)

1. Temperature of Cooler when opened 3.0 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES...NO
   a. If yes, how many, what kind and where: TAPE
3. Were custody seals on containers and intact?.....NO..YES
4. Were the seals intact, signed, and dated correctly?.....YES...NO
5. Were custody papers inside cooler?.....YES...NO
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO
7. Did you sign the custody papers in the appropriate place?.....YES...NO
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO
12. Did all bottle labels and tags agree with custody papers?.....YES...NO
13. Were correct bottles used for the analysis requested?.....YES...NO
14. a. Were VOA vials received?.....YES...NO
    b. Was there any observable head space present in any VOA vial?.....NO...YES
15. Was sufficient amount of sample sent in each bottle?.....YES...NO
16. Were correct preservatives used?.....YES...NO
17. Was residual chlorine present?.....NO...YES
18. Corrective action taken, if necessary:

    See attached for resolution

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: Terracon BC# 272799

Cooler Received On: 2.21.02 And Opened On: 2.21.02 By: *Chris Wilmoth*

c. ult
(Signature)

1. Temperature of Cooler when opened 3 **Degrees Celsius**
2. Were custody seals on outside of cooler?.....YES...NO
   a. If yes, how many, what kind and where:_____
3. Were custody seals on containers and intact?.....NO...YES
4. Were the seals intact, signed, and dated correctly?.....YES....NO
5. Were custody papers inside cooler?.....YES...NO
6. Were custody papers properly filled out (ink,signed,etc)?.....YES....NO
7. Did you sign the custody papers in the appropriate place?.....YES....NO
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO
12. Did all bottle labels and tags agree with custody papers?.....YES...NO
13. Were correct bottles used for the analysis requested?.....YES...NO
14. a. Were VOA vials received?.....YES...NO
    b. Was there any observable head space present in any VOA vial?.....NO...YES
15. Was sufficient amount of sample sent in each bottle?.....YES...NO
16. Were correct preservatives used?.....YES...NO
17. Was residual chlorine present?.....NO...YES
18. Corrective action taken, if necessary:

    See attached for resolution

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: Terracon BC# 272690

Cooler Received On: 2/20/02 And Opened On: 2/20/02 By: Paul Buckingham

(Signature)

1. Temperature of Cooler when opened 18.0 Degrees Celsius
2. Were custody seals on outside of cooler? ..... YES ..... NO
   a. If yes, how many, what kind and where: 1 front
3. Were custody seals on containers and intact? ..... NO ..... YES
4. Were the seals intact, signed, and dated correctly? ..... YES ..... NO
5. Were custody papers inside cooler? ..... YES ..... NO
6. Were custody papers properly filled out (ink,signed,etc)? ..... YES ..... NO
7. Did you sign the custody papers in the appropriate place? ..... YES ..... NO
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)? ..... YES ..... NO
10. Did all bottles arrive in good condition(unbroken)? ..... YES ..... NO
11. Were all bottle labels complete (#,date,signed,pres,etc)? ..... YES ..... NO
12. Did all bottle labels and tags agree with custody papers? ..... YES ..... NO
13. Were correct bottles used for the analysis requested? ..... YES ..... NO
14. a. Were VOA vials received? ..... YES ..... NO
    b. Was there any observable head space present in any VOA vial? ..... ~~NO ... YES~~ NA
15. Was sufficient amount of sample sent in each bottle? ..... YES ..... NO
16. Were correct preservatives used? ..... YES ..... NO
17. Was residual chlorine present? ..... ~~NO ... YES~~ NA
18. Corrective action taken, if necessary:

    See attached for resolution

27x688 1057 9431 2623

Terracon

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777
Fax: (913) 492-7443

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

Client No.	GS-06P-02-EXM-0004
Site Location:	601 Hardesty Avenue
Site Address:	Kansas City, Missouri
Project Manager:	Tracie Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Tracie Ragland for: Rayne C. Guenther RCG

Project Name	Project Number
Hardesty Federal Complex	50017083

Fax Results	Date Needed	Results Attention to
yes	3/1/2002	Tracie Ragland

SAMPLE I.D.	DATE	TIME	MATRIX	COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	None	NUMBER OF CONTAINERS	ANALYSIS	TCLP RCRA Metals, LEAD ONLY	REMARKS
Sand-1 Left	2/19/2002	11:30AM	sand						x	2		x	26526
Sand-2 Center	2/19/2002	11:35AM	sand						x	2		x	27
Sand-3 Right	2/19/2002	11:40AM	sand						x	2		x	28
Sand-4F	2/19/2002	11:45AM	water				x			1		x	26529

METHOD: 6000/7000 Series

Special Requests: PLEASE FAX RESULTS TO TRACIE RAGLAND AT (913) 492-7443 BY MARCH 1, 2002

SHIPPING VIA: FedEx Overnight

Date Needed: 3/1/2002

LABORATORY PRIORITY

Standard _____ 72 Hour _____
24- Hour _____ Other 7-day turn

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Tracie Ragland SIGNATURE	SIGNATURE	SIGNATURE	[signature] SIGNATURE
Tracie Ragland PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon FIRM	FIRM	FIRM	FIRM
2-19-02 / 19:00 DATE/TIME	DATE/TIME	DATE/TIME	2/20/02 9:00 DATE/TIME

Terracon

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

PAGE 1 OF 2

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777
Fax: (913) 492-7443

Client No.	G5-06P-02-GXM-0004
Site Location:	601 Hardesty Avenue
Site Address:	Kansas City, Missouri
Project Manager:	Tracie Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Travis A. Ragland for: Rayne C. Guenther RCG

Project Name	Project Number
Hardesty Federal Complex	50017083

Fax Results	Date Needed	Results Attention to
yes	3/1/2002	Tracie Ragland

SAMPLE I.D.	DATE	TIME	MATRIX	COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	None	NUMBER OF CONTAINERS	ANALYSIS: TCLP RCRA Metals (METHOD 6000/7000 Series)	REMARKS
Ash-1 north	2/19/2002	10:00AM	ash						x	2	x	26545
Ash-2 east	2/19/2002	10:10AM	ash						x	2	x	46
Ash-3 west	2/19/2002	10:15AM	ash						x	2	x	47
Ash-4F	2/19/2002	10:30AM	water				x			1	x	26548

Special Requests: PLEASE FAX RESULTS TO TRACIE RAGLAND AT (913) 492-7443 BY MARCH 1, 2002

SHIPPING VIA: FedEx Overnight

Date Needed: 3/1/2002

LABORATORY PRIORITY

Standard ____ 72 Hour ____
24- Hour ____ Other 7-day turn

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Travis Ragland			
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
Tracie Ragland			
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon			
FIRM	FIRM	FIRM	FIRM
2-19-02 / 19:00			2/20/02 9:00
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

C 10631

Terracon

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777 #7657
Fax: (913) 492-7443

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

Client No.	GS-06P-02-GYM-0004
Site Location:	601-607 Hardesty Avenue
Site Address:	Kansas City, Missouri
Project Manager:	Tracie A. Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Tracie A. Ragland TAR

Project Name	Project Number
Hardesty Federal Complex	50017083

Fax Results	Date Needed	Results Attention to
yes	2/26/2002	Tracie A. Ragland

SAMPLE I.D.		DATE	TIME	MATRIX	COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	Other:	TOTAL NUMBER OF CONTAINERS	ANALYSIS and NUMBER OF CONTAINERS (METHOD) VOC 8260	SVOC 8270	REMARKS
GW-1B	27082	2/20/2002	9:00	GW	X	X					5	3	2	
GW-2	83	2/19/2002	13:00	GW	X	X					5	3	2	
GW-5	84	2/20/2002	10:00	GW	X	X					5	3	2	
GW-6D	85	2/20/2002	10:30	GW	X	X					5	3	2	
GW-7R	86	2/20/2002	12:30	GW	X	X					3	3	0	
GW-8T	87	2/20/2002	17:45	GW	X	X					5	3	2	
73	27088													

Special Requests:

Please fax results to Tracie Ragland by February 26, 2002.

SHIPPING VIA: FedEx Overnight

Date Needed: 2/26/2002

LABORATORY PRIORITY

Standard _____ 72 Hour yes-9451 account
24- Hour _____ Other _____

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Tracie A. Ragland	M. Bedy		
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
Tracie A. Ragland			
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon	3C		
FIRM	FIRM	FIRM	FIRM
2/20/2002 19:00	2/21/02 9:00		
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

272853

Terracon

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

PAGE 1 OF 1

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777
Fax: (913) 492-7443

Client No.	GS-06P-02-GYM-0004
Site Location:	601-607 Hardesty Avenue
Site Address:	Kansas City, Missouri
Project Manager:	Tracie A. Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Tracie A. Ragland

Tracie A. Ragland TAR

Project Name	Project Number
Hardesty Federal Complex	50017083

Fax Results	Date Needed	Results Attention to
yes	2/26/2002	Tracie A. Ragland

SAMPLE I.D.		DATE	TIME	MATRIX	PRESERVATIVE: COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	Other:	TOTAL NUMBER OF CONTAINERS	ANALYSIS and NUMBER OF CONTAINERS	RCRA METALS (METHOD 6000/7000)	SVOC (METHOD 8270)	REMARKS
GW-1B	27202	2/20/2002	9:00	GW	X			X			1		1	0	
GW-2	03	2/19/2002	13:00	GW	X			X			1		1	0	
GW-5	04	2/20/2002	10:00	GW	X			X			1		1	0	
GW-6D	05	2/20/2002	10:30	GW	X			X			1		1	0	
GW-7R	06	2/20/2002	12:30	GW	X			X			3		1	2	
GW-8T	27207	2/20/2002	17:45	GW	X			X			1		1	0	

Special Requests:

Please fax results to Tracie Ragland by February 26, 2002.

SHIPPING VIA: FedEx Overnight

Date Needed: 2/26/2002

LABORATORY PRIORITY

Standard _____ 72 Hour yes-9451 account

24- Hour _____ Other _____

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Tracie A. Ragland			
SIGNATURE	SIGNATURE K. Hollon	SIGNATURE	SIGNATURE
Tracie A. Ragland	K. Hollon		
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon	TA		
FIRM	FIRM	FIRM	FIRM
2/20/2002 19:00	2/21 900		
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

Terracon

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

PAGE 1 OF 1

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777
Fax: (913) 492-7443

Client No.	GS-06P-02-GYM-0004
Site Location:	601-607 Hardesty Avenue
Site Address:	Kansas City, Missouri
Project Manager:	Tracie A. Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Tracie A. Ragland TAR

Project Name	Project Number
Hardesty Federal Complex	50017083

Fax Results	Date Needed	Results Attention to
yes	2/26/2002	Tracie A. Ragland

SAMPLE I.D.		DATE	TIME	MATRIX	COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	Other:	TOTAL NUMBER OF CONTAINERS	ANALYSIS and NUMBER OF CONTAINERS	VOC (METHOD 8260)	SVOC (METHOD 8270)	RCRA METALS (METHOD 6000/7000 series)					REMARKS
SS-1B	26934	2/19/2002	11:20	soil	X						7		2	3	2					
SS-2	35	2/19/2002	12:00	soil	X						7		2	3	2					
SS-3	36	2/20/2002	10:00	soil	X						7		2	3	2					
SS-4	37	2/20/2002	11:00	soil	X						7		2	3	2					
SS-5	38	2/19/2002	16:00	soil	X						7		2	3	2					
SS-6D	26939	2/20/2002	11:30	soil	X						7		2	3	2					

Special Requests:

Please fax results to Tracie Ragland by February 26, 2002.

SHIPPING VIA: FedEx Overnight

Date Needed: 2/26/2002

LABORATORY PRIORITY

Standard _____ 72 Hour yes-9451 account
24- Hour _____ Other _____

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Tracie A. Ragland	C. Wilk		
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
Tracie A. Ragland	C Wilmoth		
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon	TA Nash		
FIRM	FIRM	FIRM	FIRM
2/20/2002 19:00	2.21.02 0900		
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

MISSOURI DEPARTMENT OF NATURAL RESOURCES

MISSOURI

NATURAL RESOURCES

CLEANUP LEVELS FOR MISSOURI (CALM)

DIVISION OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE PROGRAM

Revision of September 1998

PUB468

Revised September 1998

MISSOURI DEPARTMENT OF NATURAL RESOURCES

CLEANUP LEVELS FOR MISSOURI (CALM)

Tier 1 Soil and Groundwater Cleanup Standards September 1, 2001 Update, Background Document

Division of Environmental Quality
Hazardous Waste Program

Revised July 26, 2001

REFERENCE 42

Terracon
13910 W. 96th Terrace Lenexa, KS 66215
(913) 492-7777 (913) 492-7443

LEAD SAMPLE LOG

Location: Hardesty Federal Complex

Project No. 50017083 Date: 2/19/02 Sampled By: R C Greenhill

Sample No.	Sample Type	Description	Sample Area* inches	Comments	Lab Results µs/ft2
50017083-1	Wipe	Looking @ Range - Left 2' back	144"	1440398	42,000.0
-2	Floor	" " " - Right 2' back	144	1440399	92,000.0
-3		Center 45' back	144	1440400	6,400.0
-4		Center 70' back	144	1440401	2,400.0
-5		Wall - Left 3' back	144	1440402	1,300.0
-6		" Right " "	144	1440403	280.0
-7		4 Pillars back (~70') (off Floor)	144	1440404	20.0
X		Left wall [illegible]	X		
-8		[illegible] (Right - whitcomb	144	1440405	10.0
		Analyzed:	JLM	2/25/02	

* For dust or mg/cm² paint chips

- Chain of Custody -

Client: Terracon Environmental Inc.
13910 W 96th Terrace
Lenexa, KS 66215

Phone: 913-492-7777
FAX: 913-492-7443

Project Name: ~~Rayne~~ Hardesty
Project No.: 50017083

Contact: Rayne or Tracie
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[ ] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[X] Other	Wipe

Analysis Method:

[ ] PCM : NIOSH 7400
[ ] PCM : OSHA
[ ] PCM : Other_____

[ ] AAS : NIOSH 7082 (Air)
[ ] AAS : Lead in Drinking Water
[ ] AAS : Lead in Paint ASTM D3335-85a
[X] AAS : Lead Dust/Wipe
[ ] AAS : Other Metals / Soil_____

[ ] PLM : Bulk Asbestos EPA 600
[ ] PLM : Point Counting 198.1
[ ] PLM : NOB via 198.1 (PLM only)
[ ] If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **
(**call to confirm TAT!)

[ ] TEM : AHERA
[ ] TEM : NIOSH 7402
[ ] TEM : EPA Level II
[ ] TEM : Microvac Dust
[ ] TEM : Asbestos in Water
[ ] TEM : Bulk Analysis
[ ] TEM : NOB 198.4
[ ] TEM : Other_____
[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ date / time Verbals: _____ date / time

[ ] 10 Day [ ] 5 Day [X] 72 hour [ ] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 50017083-1 (start) - 50017083-8 (end) IATL#(s): _____ (start) - _____ (end) Total: ___

Chain of Custody:

Relinquished:	[signature]	Date: 2/19/02	Time: 1615
Received:	[signature]	Date:	Time:
Sample Log-in:		Date:	Time:
Sample Prep:		Date: 2/25/02	Time:
Analyzed:	[signature]	Date: FEB 20 2002	Time:
QA/QC Review:		Date:	Time:

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

287838 93243-93249

Terracon

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777
Fax: (913) 492-7443

Client No.	9451
Site Location:	601-607 Hardesty
Site Address:	Kansas City, Missouri
Project Manager:	Tracie A. Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Tracie Ragland for: Vincent E. Payne VEP

Project Name	Project Number	
Hardesty Federal Complex	O2027042	
Fax Results	Date Needed	Results Attention to
yes	6/14/02	Tracie A. Ragland

SAMPLE I.D.	DATE	TIME	MATRIX	PRESERVATIVE: COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	Other:	NUMBER OF CONTAINERS	ANALYSIS: METHOD	RCRA Metals: 6010B							REMARKS
Cape-4 93243	6/5/2002	11:38	GW	X			X			1		X							Field filtered sample
Cape-X 244	6/5/2002	12:25	GW	X			X			1		X							Field filtered sample
Cape-6 245	6/5/2002	12:10	GW	X			X			1		X							Field filtered sample
FB 246	6/6/2002	17:50	W	X			X			1		X							Field filtered sample
GW-3 247	6/6/2002	17:25	GW	X			X			1		X							Field filtered sample
FD-GW-3 248	6/6/2002	17:25	GW	X			X			1		X							Field filtered sample
GW-5 249	6/6/2002	17:40	GW	X			X			1		X							Field filtered sample

Special Requests:

SHIPPING VIA: FedEx Overnight

Date Needed: 6/14/02

LABORATORY PRIORITY

Standard 7 day or sooner 72 Hour ____
24- Hour ____ Other ____

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Tracie Ragland for:	C Gambill		
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
Vincent E. Payne	C. Gambill		
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon	Test America		
FIRM	FIRM	FIRM	FIRM
6/6/2002 8pm	6/6/02 9:00		
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

TESTAMERICA INC.-NASHVILLE

COOLER RECEIPT FORM

Client: Terracon

BC# 287838

Cooler Received On: 6/7 And Opened On: 6/7 By: Shane Gambill

93243 - 93249

(Signature)

1. Temperature of Cooler when opened 3.0 Degrees Celsius

2. Were custody seals on outside of cooler? ..... YES NO

   a. If yes, how many, what kind and where: 1 Front

3. Were custody seals on containers and intact? ..... NO YES

4. Were the seals intact, signed, and dated correctly? ..... YES NO

5. Were custody papers inside cooler? ..... YES NO

6. Were custody papers properly filled out (ink,signed,etc)? ..... YES NO

7. Did you sign the custody papers in the appropriate place? ..... YES NO

8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None

9. Was sufficient ice used (if appropriate)? ..... YES NO

10. Did all bottles arrive in good condition(unbroken)? ..... YES NO

11. Were all bottle labels complete (#,date,signed,pres,etc)? ..... YES NO

12. Did all bottle labels and tags agree with custody papers? ..... YES NO

13. Were correct bottles used for the analysis requested? ..... YES NO

14. a. Were VOA vials received? ..... YES NO

    b. Was there any observable head space present in any VOA vial? ..... NO YES

15. Was sufficient amount of sample sent in each bottle? ..... YES NO

16. Were correct preservatives used? ..... YES NO

17. Was residual chlorine present? ..... NO YES

18. Corrective action taken, if necessary:

See attached for resolution

TestAmerica
INCORPORATED

6/10/02

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 02027042 HARDESTY FEDERAL COMPLEX. The Laboratory Project number is 287838. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
CAPE-4	02-A93243	6/ 5/02
CAPE-X	02-A93244	6/ 5/02
CAPE-6	02-A93245	6/ 5/02
FB	02-A93246	6/ 6/02
GW-3	02-A93247	6/ 6/02
FD-GW-3	02-A93248	6/ 6/02
GW-5	02-A93249	6/ 6/02

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/10/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Jennifer P. Flynn, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A93243
Sample ID: CAPE-4
Sample Type: Ground water
Site ID:

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Date Collected: 6/ 5/02
Time Collected: 11:38
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Barium	0.0480	mg/l	0.0100	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Cadmium	ND	mg/l	0.0010	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Chromium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Lead	ND	mg/l	0.0030	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Mercury	ND	mg/l	0.00020	1	6/10/02	11:06	W. Choate	7470A	4268
Selenium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Silver	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93244
Sample ID: CAPE-X
Sample Type: Ground water
Site ID:

Date Collected: 6/ 5/02
Time Collected: 12:25
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Barium	0.0790	mg/l	0.0100	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Cadmium	ND	mg/l	0.0010	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Chromium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Lead	ND	mg/l	0.0030	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Mercury	ND	mg/l	0.00020	1	6/10/02	11:06	W. Choate	7470A	4268
Selenium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Silver	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93245
Sample ID: CAPE-6
Sample Type: Ground water
Site ID:

Date Collected: 6/ 5/02
Time Collected: 12:10
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	0.0340	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Barium	0.751	mg/l	0.0100	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Cadmium	0.0040	mg/l	0.0010	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Chromium	0.0070	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Lead	ND	mg/l	0.0030	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Mercury	ND	mg/l	0.00020	1	6/10/02	11:06	W. Choate	7470A	4268
Selenium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Silver	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93246
Sample ID: FB
Sample Type: Ground water
Site ID:

Date Collected: 6/ 6/02
Time Collected: 17:50
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Barium	ND	mg/l	0.0100	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Cadmium	ND	mg/l	0.0010	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Chromium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Lead	ND	mg/l	0.0030	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Mercury	ND	mg/l	0.00020	1	6/10/02	11:06	W. Choate	7470A	4268
Selenium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Silver	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

..id of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93247
Sample ID: GW-3
Sample Type: Ground water
Site ID:

Date Collected: 6/ 6/02
Time Collected: 17:25
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Barium	0.315	mg/l	0.0100	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Cadmium	ND	mg/l	0.0010	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Chromium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Lead	ND	mg/l	0.0030	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Mercury	ND	mg/l	0.00020	1	6/10/02	11:06	W. Choate	7470A	4268
Selenium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Silver	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93248
Sample ID: FD-GW-3
Sample Type: Ground water
Site ID:

Date Collected: 6/ 6/02
Time Collected: 17:25
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Barium	0.317	mg/l	0.0100	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Cadmium	0.0010	mg/l	0.0010	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Chromium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Lead	ND	mg/l	0.0030	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Mercury	ND	mg/l	0.00020	1	6/10/02	11:06	W. Choate	7470A	4268
Selenium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Silver	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

.d of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93249
Sample ID: GW-5
Sample Type: Ground water
Site ID:

Date Collected: 6/ 6/02
Time Collected: 17:40
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
METALS									
Arsenic	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Barium	0.141	mg/l	0.0100	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Cadmium	0.0010	mg/l	0.0010	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Chromium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Lead	ND	mg/l	0.0030	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Mercury	ND	mg/l	0.00020	1	6/10/02	11:06	W. Choate	7470A	4268
Selenium	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834
Silver	ND	mg/l	0.0050	1	6/ 8/02	20:47	Rob Hunt	6010B	3834

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sampl
METALS								
Arsenic	mg/l	< 0.0050	0.0530	0.0500	106	80 - 120	3834	02-A93244
Barium	mg/l	0.0790	2.18	2.00	105	80 - 120	3834	02-A93244
Cadmium	mg/l	< 0.0010	0.0500	0.0500	100	80 - 120	3834	02-A93244
Chromium	mg/l	< 0.0050	0.196	0.200	98	80 - 120	3834	02-A93244
Lead	mg/l	< 0.0030	0.0490	0.0500	98	80 - 120	3834	02-A93244
Mercury	mg/l	< 0.00020	0.00076	0.00100	76#	80 - 120	4268	02-A93243
Selenium	mg/l	< 0.0050	0.0550	0.0500	110	80 - 120	3834	02-A93244
Silver	mg/l	< 0.0050	0.0420	0.0500	84	80 - 120	3834	02-A93244

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
METALS						
Arsenic	mg/l	0.0530	0.0500	5.83	20	3834
Barium	mg/l	2.18	2.20	0.91	20	3834
Cadmium	mg/l	0.0500	0.0520	3.92	20	3834
Chromium	mg/l	0.196	0.203	3.51	20	3834
Lead	mg/l	0.0490	0.0500	2.02	20	3834
Mercury	mg/l	0.00076	0.00088	14.63	20	4268
Selenium	mg/l	0.0550	0.0560	1.80	20	3834
Silver	mg/l	0.0420	0.0440	4.65	20	3834

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						

roject QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 2

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Arsenic	mg/l	0.0500	0.0510	102	80 - 120	3834
Barium	mg/l	2.00	2.10	105	80 - 120	3834
Cadmium	mg/l	0.0500	0.0520	104	80 - 120	3834
Chromium	mg/l	0.200	0.201	100	80 - 120	3834
Lead	mg/l	0.0500	0.0490	98	80 - 120	3834
Mercury	mg/l	0.00100	0.00093	93	85 - 115	4268
Selenium	mg/l	0.0500	0.0460	92	80 - 120	3834
Silver	mg/l	0.0500	0.0440	88	80 - 120	3834

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
METALS					
Arsenic	< 0.0036	mg/l	3834	6/ 8/02	20:47
Barium	< 0.0005	mg/l	3834	6/ 8/02	20:47
Cadmium	< 0.0005	mg/l	3834	6/ 8/02	20:47
Chromium	< 0.0007	mg/l	3834	6/ 8/02	20:47
Lead	< 0.0015	mg/l	3834	6/ 8/02	20:47
Mercury	< 0.00012	mg/l	4268	6/10/02	11:06
Selenium	< 0.0034	mg/l	3834	6/ 8/02	20:47
Silver	< 0.0009	mg/l	3834	6/ 8/02	20:47

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 3

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 287838

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

28'7832
93218-93226

Terracon

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777
Fax: (913) 492-7443

Client No.	9451
Site Location:	601-607 Hardesty
Site Address:	Kansas City, Missouri
Project Manager:	Tracie A. Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Tracie Ragland for: Vincent E. Payne VEP

Project Name	Project Number
Hardesty Federal Complex	O2027042

Fax Results	Date Needed	Results Attention to
yes	6/14/02	Tracie A. Ragland

SAMPLE I.D.		DATE	TIME	MATRIX	PRESERVATIVE: COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	Other:	NUMBER OF CONTAINERS	ANALYSIS: METHOD 8260B VOCs	REMARKS
GW-1	93218	6/5/2002	12:40	GW	X	X					1	X	
Cape-4	219	6/5/2002	11:38	GW	X	X					3	X	
Cape-X	220	6/5/2002	12:25	GW	X	X					3	X	
Cape-6	221	6/5/2002	12:10	GW	X	X					3	X	
TB	222	6/5/2002		W	X	X					1	X	
GW-3	223	6/6/2002	17:25	GW	X	X					3	X	
FB	224	6/6/2002	17:50	W	X	X					3	X	
GW-5	225	6/6/2002	17:40	GW	X	X					3	X	
FD-GW-3	226	6/6/2002	17:25	GW	X	X					3	X	

Special Requests:

SHIPPING VIA: FedEx Overnight

Date Needed: 6/14/02

LABORATORY PRIORITY

Standard 7 day or sooner 72 Hour ____
24- Hour ____ Other ____

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Tracie Ragland for:	[illegible]		
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
Vincent E. Payne	C Gambill		
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon	Test America		
FIRM	FIRM	FIRM	FIRM
6/6/2002 8pm	6/7/02 9:00		
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

TESTAMERICA INC.-NASHVILLE

COOLER RECEIPT FORM

Client: Terracon BC# 287832

Cooler Received On: 6/4 And Opened On: 6/4 By: Shane Gambill

93218 - 93226

Shane Gambill
(Signature)

1. Temperature of Cooler when opened 3.0 Degrees Celsius
2. Were custody seals on outside of cooler? ..... YES ... NO
   a. If yes, how many, what kind and where: 1 Front
3. Were custody seals on containers and intact? ..... NO ... YES
4. Were the seals intact, signed, and dated correctly? ..... YES ... NO
5. Were custody papers inside cooler? ..... YES ... NO
6. Were custody papers properly filled out (ink, signed, etc)? ..... YES ... NO
7. Did you sign the custody papers in the appropriate place? ..... YES ... NO
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)? ..... YES ... NO
10. Did all bottles arrive in good condition(unbroken)? ..... YES ... NO
11. Were all bottle labels complete (#,date,signed,pres,etc)? ..... YES ... NO
12. Did all bottle labels and tags agree with custody papers? ..... YES ... NO
13. Were correct bottles used for the analysis requested? ..... YES ... NO
14. a. Were VOA vials received? ..... YES ... NO
    b. Was there any observable head space present in any VOA vial? ..... NO ... YES
15. Was sufficient amount of sample sent in each bottle? ..... YES ... NO
16. Were correct preservatives used? ..... YES ... NO
17. Was residual chlorine present? ..... NO ... YES
18. Corrective action taken, if necessary:

See attached for resolution

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6/13/02

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 02027042 HARDESTY FEDERAL COMPLEX. The Laboratory Project number is 287832. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
GW-1	02-A93218	6/ 5/02
CAPE-4	02-A93219	6/ 5/02
CAPE-X	02-A93220	6/ 5/02
CAPE-6	02-A93221	6/ 5/02
TB	02-A93222	6/ 5/02
GW-3	02-A93223	6/ 6/02
FB	02-A93224	6/ 6/02
GW-5	02-A93225	6/ 6/02
FD-GW-3	02-A93226	6/ 6/02

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/13/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93218
Sample ID: GW-1
Sample Type: Ground water
Site ID:

Date Collected: 6/ 5/02
Time Collected: 12:40
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/11/02	1:21	M. Taylor	8260B	6267
Benzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Bromobenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Bromochloromethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Bromoform	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Bromomethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
2-Butanone	ND	mg/l	0.0500	1	6/11/02	1:21	M. Taylor	8260B	6267
n-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
sec-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
t-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Carbon disulfide	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Carbon tetrachloride	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Chlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Chloroethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Chloroform	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Chloromethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
2-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
4-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/11/02	1:21	M. Taylor	8260B	6267
Dibromochloromethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Dibromomethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A93218
Sample ID: GW-1
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Ethylbenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
2-Hexanone	ND	mg/l	0.0100	1	6/11/02	1:21	M. Taylor	8260B	6267
Isopropylbenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/11/02	1:21	M. Taylor	8260B	6267
Methylene chloride	ND	mg/l	0.0050	1	6/11/02	1:21	M. Taylor	8260B	6267
Naphthalene	ND	mg/l	0.0050	1	6/11/02	1:21	M. Taylor	8260B	6267
n-Propylbenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Styrene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Tetrachloroethene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Toluene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Trichloroethene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Vinyl chloride	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A93218
Sample ID: GW-1
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Bromodichloromethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/11/02	1:21	M. Taylor	8260B	6267

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	60. - 158.
VOA Surr Toluene-d8	102.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	100.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93219
Sample ID: CAPE-4
Sample Type: Ground water
Site ID:

Date Collected: 6/ 5/02
Time Collected: 11:38
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/11/02	1:49	M. Taylor	8260B	6267
Benzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Bromobenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Bromochloromethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Bromoform	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Bromomethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
2-Butanone	ND	mg/l	0.0500	1	6/11/02	1:49	M. Taylor	8260B	6267
n-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
sec-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
t-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Carbon disulfide	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Carbon tetrachloride	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Chlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Chloroethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Chloroform	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Chloromethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
2-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
4-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/11/02	1:49	M. Taylor	8260B	6267
Dibromochloromethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Dibromomethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A93219
Sample ID: CAPE-4
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Ethylbenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
2-Hexanone	ND	mg/l	0.0100	1	6/11/02	1:49	M. Taylor	8260B	6267
Isopropylbenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/11/02	1:49	M. Taylor	8260B	6267
Methylene chloride	ND	mg/l	0.0050	1	6/11/02	1:49	M. Taylor	8260B	6267
Naphthalene	ND	mg/l	0.0050	1	6/11/02	1:49	M. Taylor	8260B	6267
n-Propylbenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Styrene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Tetrachloroethene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Toluene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Trichloroethene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Vinyl chloride	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267

ample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A93219
Sample ID: CAPE-4
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Bromodichloromethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/11/02	1:49	M. Taylor	8260B	6267

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	60. - 158.
VOA Surr Toluene-d8	102.	82. - 127.
VOA Surr, 4-BFB	106.	72. - 136.
VOA Surr, DBFM	99.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93220
Sample ID: CAPE-X
Sample Type: Ground water
Site ID:

Date Collected: 6/ 5/02
Time Collected: 12:25
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/11/02	8:17	M. Taylor	8260B	6267
Benzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Bromobenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Bromochloromethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Bromoform	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Bromomethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
2-Butanone	ND	mg/l	0.0500	1	6/11/02	8:17	M. Taylor	8260B	6267
n-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
sec-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
t-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Carbon disulfide	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Carbon tetrachloride	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Chlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Chloroethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Chloroform	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Chloromethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
2-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
4-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/11/02	8:17	M. Taylor	8260B	6267
Dibromochloromethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Dibromomethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267

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TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A93220
Sample ID: CAPE-X
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Ethylbenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
2-Hexanone	ND	mg/l	0.0100	1	6/11/02	8:17	M. Taylor	8260B	6267
Isopropylbenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/11/02	8:17	M. Taylor	8260B	6267
Methylene chloride	ND	mg/l	0.0050	1	6/11/02	8:17	M. Taylor	8260B	6267
Naphthalene	ND	mg/l	0.0050	1	6/11/02	8:17	M. Taylor	8260B	6267
n-Propylbenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Styrene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Tetrachloroethene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Toluene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Trichloroethene	0.0032	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Vinyl chloride	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A93220
Sample ID: CAPE-X
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Bromodichloromethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/11/02	8:17	M. Taylor	8260B	6267

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	60. - 158.
VOA Surr Toluene-d8	103.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	101.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93221
Sample ID: CAPE-6
Sample Type: Ground water
Site ID:

Date Collected: 6/ 5/02
Time Collected: 12:10
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/11/02	8:44	M. Taylor	8260B	6267
Benzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Bromobenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Bromochloromethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Bromoform	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Bromomethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
2-Butanone	ND	mg/l	0.0500	1	6/11/02	8:44	M. Taylor	8260B	6267
n-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
sec-Butylbenzene	0.0067	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
t-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Carbon disulfide	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Carbon tetrachloride	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Chlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Chloroethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Chloroform	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Chloromethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
2-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
4-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/11/02	8:44	M. Taylor	8260B	6267
Dibromochloromethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Dibromomethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2-Dichlorobenzene	0.0045	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93221
Sample ID: CAPE-6
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Ethylbenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
2-Hexanone	ND	mg/l	0.0100	1	6/11/02	8:44	M. Taylor	8260B	6267
Isopropylbenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/11/02	8:44	M. Taylor	8260B	6267
Methylene chloride	ND	mg/l	0.0050	1	6/11/02	8:44	M. Taylor	8260B	6267
Naphthalene	ND	mg/l	0.0050	1	6/11/02	8:44	M. Taylor	8260B	6267
n-Propylbenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Styrene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Tetrachloroethene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Toluene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Trichloroethene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Vinyl chloride	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93221
Sample ID: CAPE-6
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Bromodichloromethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/11/02	8:44	M. Taylor	8260B	6267

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	60. - 158.
VOA Surr Toluene-d8	102.	82. - 127.
VOA Surr, 4-BFB	103.	72. - 136.
VOA Surr, DBFM	99.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93222
Sample ID: TB
Sample Type: Ground water
Site ID:

Date Collected: 6/ 5/02
Time Collected:
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/11/02	9:12	M. Taylor	8260B	6267
Benzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Bromobenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Bromochloromethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Bromoform	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Bromomethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
2-Butanone	ND	mg/l	0.0500	1	6/11/02	9:12	M. Taylor	8260B	6267
n-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
sec-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
t-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Carbon disulfide	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Carbon tetrachloride	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Chlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Chloroethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Chloroform	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Chloromethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
2-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
4-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/11/02	9:12	M. Taylor	8260B	6267
Dibromochloromethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Dibromomethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93222
Sample ID: TB
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Ethylbenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
2-Hexanone	ND	mg/l	0.0100	1	6/11/02	9:12	M. Taylor	8260B	6267
Isopropylbenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/11/02	9:12	M. Taylor	8260B	6267
Methylene chloride	ND	mg/l	0.0050	1	6/11/02	9:12	M. Taylor	8260B	6267
Naphthalene	ND	mg/l	0.0050	1	6/11/02	9:12	M. Taylor	8260B	6267
n-Propylbenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Styrene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Tetrachloroethene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Toluene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Trichloroethene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Vinyl chloride	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93222
Sample ID: TB
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Bromodichloromethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/11/02	9:12	M. Taylor	8260B	6267

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	99.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93223
Sample ID: GW-3
Sample Type: Ground water
Site ID:

Date Collected: 6/ 6/02
Time Collected: 17:25
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/11/02	9:40	M. Taylor	8260B	6267
Benzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Bromobenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Bromochloromethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Bromoform	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Bromomethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
2-Butanone	ND	mg/l	0.0500	1	6/11/02	9:40	M. Taylor	8260B	6267
n-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
sec-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
t-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Carbon disulfide	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Carbon tetrachloride	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Chlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Chloroethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Chloroform	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Chloromethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
2-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
4-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/11/02	9:40	M. Taylor	8260B	6267
Dibromochloromethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Dibromomethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93223
Sample ID: GW-3
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Ethylbenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
2-Hexanone	ND	mg/l	0.0100	1	6/11/02	9:40	M. Taylor	8260B	6267
Isopropylbenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/11/02	9:40	M. Taylor	8260B	6267
Methylene chloride	ND	mg/l	0.0050	1	6/11/02	9:40	M. Taylor	8260B	6267
Naphthalene	ND	mg/l	0.0050	1	6/11/02	9:40	M. Taylor	8260B	6267
n-Propylbenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Styrene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,1,2,2-Tetrachloroethane	0.0211	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Tetrachloroethene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Toluene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Trichloroethene	0.0799	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Vinyl chloride	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93223
Sample ID: GW-3
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Bromodichloromethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/11/02	9:40	M. Taylor	8260B	6267

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	60. - 158.
VOA Surr Toluene-d8	102.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	99.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93224
Sample ID: FB
Sample Type: Ground water
Site ID:

Date Collected: 6/ 6/02
Time Collected: 17:50
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/11/02	13:52	M. Taylor	8260B	6267
Benzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Bromobenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Bromochloromethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Bromoform	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Bromomethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
2-Butanone	ND	mg/l	0.0500	1	6/11/02	13:52	M. Taylor	8260B	6267
n-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
sec-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
t-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Carbon disulfide	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Carbon tetrachloride	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Chlorobenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Chloroethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Chloroform	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Chloromethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
2-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
4-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/11/02	13:52	M. Taylor	8260B	6267
Dibromochloromethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Dibromomethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93224
Sample ID: FB
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Ethylbenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
2-Hexanone	ND	mg/l	0.0100	1	6/11/02	13:52	M. Taylor	8260B	6267
Isopropylbenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/11/02	13:52	M. Taylor	8260B	6267
Methylene chloride	ND	mg/l	0.0050	1	6/11/02	13:52	M. Taylor	8260B	6267
Naphthalene	ND	mg/l	0.0050	1	6/11/02	13:52	M. Taylor	8260B	6267
n-Propylbenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Styrene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Tetrachloroethene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Toluene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Trichloroethene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Vinyl chloride	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93224
Sample ID: FB
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Bromodichloromethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/11/02	13:52	M. Taylor	8260B	6267

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	107.	72. - 136.
VOA Surr, DBFM	98.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93225
Sample ID: GW-5
Sample Type: Ground water
Site ID:

Date Collected: 6/ 6/02
Time Collected: 17:40
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/11/02	14:20	M. Taylor	8260B	6267
Benzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Bromobenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Bromochloromethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Bromoform	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Bromomethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
2-Butanone	ND	mg/l	0.0500	1	6/11/02	14:20	M. Taylor	8260B	6267
n-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
sec-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
t-Butylbenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Carbon disulfide	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Carbon tetrachloride	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Chlorobenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Chloroethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Chloroform	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Chloromethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
2-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
4-Chlorotoluene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/11/02	14:20	M. Taylor	8260B	6267
Dibromochloromethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Dibromomethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A93225
Sample ID: GW-5
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,2-Dichloroethane	0.0028	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
cis-1,2-Dichloroethene	0.0273	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
trans-1,2-Dichloroethene	0.0023	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Ethylbenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
2-Hexanone	ND	mg/l	0.0100	1	6/11/02	14:20	M. Taylor	8260B	6267
Isopropylbenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/11/02	14:20	M. Taylor	8260B	6267
Methylene chloride	ND	mg/l	0.0050	1	6/11/02	14:20	M. Taylor	8260B	6267
Naphthalene	ND	mg/l	0.0050	1	6/11/02	14:20	M. Taylor	8260B	6267
n-Propylbenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Styrene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,1,2,2-Tetrachloroethane	0.269	mg/l	0.0200	10	6/12/02	12:13	M. Taylor	8260B	4715
Tetrachloroethene	0.0196	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Toluene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,1,2-Trichloroethane	0.0112	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Trichloroethene	2.07	mg/l	0.200	100	6/12/02	12:41	M. Taylor	8260B	8300
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Vinyl chloride	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A93225
Sample ID: GW-5
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Bromodichloromethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/11/02	14:20	M. Taylor	8260B	6267

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	60. - 158.
VOA Surr Toluene-d8	103.	82. - 127.
VOA Surr, 4-BFB	106.	72. - 136.
VOA Surr, DBFM	103.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A93226
Sample ID: FD-GW-3
Sample Type: Ground water
Site ID:

Date Collected: 6/ 6/02
Time Collected: 17:25
Date Received: 6/ 7/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	6/12/02	10:49	M. Taylor	8260B	4715
Benzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Bromobenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Bromochloromethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Bromoform	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Bromomethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
2-Butanone	ND	mg/l	0.0500	1	6/12/02	10:49	M. Taylor	8260B	4715
n-Butylbenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
sec-Butylbenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
t-Butylbenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Carbon disulfide	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Carbon tetrachloride	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Chlorobenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Chloroethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Chloroform	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Chloromethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
2-Chlorotoluene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
4-Chlorotoluene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/12/02	10:49	M. Taylor	8260B	4715
Dibromochloromethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Dibromomethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93226
Sample ID: FD-GW-3
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
cis-1,2-Dichloroethene	0.0072	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Ethylbenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
2-Hexanone	ND	mg/l	0.0100	1	6/12/02	10:49	M. Taylor	8260B	4715
Isopropylbenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/12/02	10:49	M. Taylor	8260B	4715
Methylene chloride	ND	mg/l	0.0050	1	6/12/02	10:49	M. Taylor	8260B	4715
Naphthalene	ND	mg/l	0.0050	1	6/12/02	10:49	M. Taylor	8260B	4715
n-Propylbenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Styrene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,1,2,2-Tetrachloroethane	0.166	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Tetrachloroethene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Toluene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,1,2-Trichloroethane	0.0084	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Trichloroethene	0.239	mg/l	0.0200	10	6/12/02	17:16	M. Taylor	8260B	8300
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Vinyl chloride	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A93226
Sample ID: FD-GW-3
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Bromodichloromethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/12/02	10:49	M. Taylor	8260B	4715

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	108.	72. - 136.
VOA Surr, DBFM	98.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

nd of Sample Report.

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Samp
VOA PARAMETERS								
Benzene	mg/l	< 0.0007	0.0489	0.0500	98	70. - 136.	6267	blank
Benzene	mg/l	< 0.0007	0.0476	0.0500	95	70. - 136.	4715	blank
Chlorobenzene	mg/l	< 0.0007	0.0493	0.0500	99	70. - 132.	6267	blank
Chlorobenzene	mg/l	< 0.0007	0.0472	0.0500	94	70. - 132.	4715	blank
1,1-Dichloroethene	mg/l	< 0.0008	0.0464	0.0500	93	60. - 145.	6267	blank
1,1-Dichloroethene	mg/l	< 0.0008	0.0442	0.0500	88	60. - 145.	4715	blank
Toluene	mg/l	< 0.0007	0.0491	0.0500	98	69. - 137.	6267	blank
Toluene	mg/l	< 0.0007	0.0468	0.0500	94	69. - 137.	4715	blank
Trichloroethene	mg/l	< 0.0009	0.0479	0.0500	96	63. - 149.	6267	blank
Tetrachloroethene	mg/l	< 0.0008	0.0487	0.0500	97	60. - 140.	6267	blank
Tetrachloroethene	mg/l	< 0.0008	0.0458	0.0500	92	60. - 140.	4715	blank
VOA Surr 1,2-DCA-d4	% Rec				97	60. - 158.	6267	
VOA Surr Toluene-d8	% Rec				103	82. - 127.	6267	
VOA Surr, 4-BFB	% Rec				98	72. - 136.	6267	
VOA Surr, DBFM	% Rec				98	81. - 137.	6267	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0489	0.0502	2.62	21.	6267
Benzene	mg/l	0.0476	0.0483	1.46	21.	4715
Chlorobenzene	mg/l	0.0493	0.0496	0.61	25.	6267
Chlorobenzene	mg/l	0.0472	0.0476	0.84	25.	4715
1,1-Dichloroethene	mg/l	0.0464	0.0478	2.97	26.	6267
1,1-Dichloroethene	mg/l	0.0442	0.0458	3.56	26.	4715
Toluene	mg/l	0.0491	0.0500	1.82	22.	6267

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Toluene	mg/l	0.0468	0.0479	2.32	22.	4715
Trichloroethene	mg/l	0.0479	0.0494	3.08	28.	6267
Tetrachloroethene	mg/l	0.0487	0.0490	0.61	24.	6267
Tetrachloroethene	mg/l	0.0458	0.0471	2.80	24.	4715
VOA Surr 1,2-DCA-d4	% Rec		97.			6267
VOA Surr Toluene-d8	% Rec		102.			6267
VOA Surr, 4-BFB	% Rec		97.			6267
VOA Surr, DBFM	% Rec		100.			6267

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Acetone	mg/l	0.250	0.271	108	54 - 153	6267
Acetone	mg/l	0.250	0.259	104	54 - 153	4715
Acetone	mg/l	0.250	0.279	112	54 - 153	4715
Benzene	mg/l	0.0500	0.0495	99	79 - 124	6267
Benzene	mg/l	0.0500	0.0486	97	79 - 124	4715
Benzene	mg/l	0.0500	0.0516	103	79 - 124	4715
Bromobenzene	mg/l	0.0500	0.0511	102	76 - 122	6267
Bromobenzene	mg/l	0.0500	0.0460	92	76 - 122	4715
Bromobenzene	mg/l	0.0500	0.0517	103	76 - 122	4715
Bromochloromethane	mg/l	0.0500	0.0495	99	71 - 134	6267
Bromochloromethane	mg/l	0.0500	0.0478	96	71 - 134	4715
Bromochloromethane	mg/l	0.0500	0.0516	103	71 - 134	4715
Bromoform	mg/l	0.0500	0.0455	91	66 - 124	6267
Bromoform	mg/l	0.0500	0.0460	92	66 - 124	4715
Bromoform	mg/l	0.0500	0.0510	102	66 - 124	4715
Bromomethane	mg/l	0.0500	0.0489	98	51 - 145	6267
Bromomethane	mg/l	0.0500	0.0522	104	51 - 145	4715
Bromomethane	mg/l	0.0500	0.0484	97	51 - 145	4715

.roject QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 3

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
2-Butanone	mg/l	0.250	0.277	111	62 - 134	6267
2-Butanone	mg/l	0.250	0.261	104	62 - 134	4715
2-Butanone	mg/l	0.250	0.275	110	62 - 134	4715
n-Butylbenzene	mg/l	0.0500	0.0492	98	61 - 136	6267
n-Butylbenzene	mg/l	0.0500	0.0457	91	61 - 136	4715
n-Butylbenzene	mg/l	0.0500	0.0484	97	61 - 136	4715
sec-Butylbenzene	mg/l	0.0500	0.0499	100	69 - 130	6267
sec-Butylbenzene	mg/l	0.0500	0.0457	91	69 - 130	4715
sec-Butylbenzene	mg/l	0.0500	0.0514	103	69 - 130	4715
t-Butylbenzene	mg/l	0.0500	0.0484	97	66 - 129	6267
t-Butylbenzene	mg/l	0.0500	0.0444	89	66 - 129	4715
t-Butylbenzene	mg/l	0.0500	0.0510	102	66 - 129	4715
Carbon disulfide	mg/l	0.0500	0.0450	90	71 - 129	6267
Carbon disulfide	mg/l	0.0500	0.0473	95	71 - 129	4715
Carbon disulfide	mg/l	0.0500	0.0488	98	71 - 129	4715
Carbon tetrachloride	mg/l	0.0500	0.0525	105	70 - 130	6267
Carbon tetrachloride	mg/l	0.0500	0.0543	109	70 - 130	4715
Carbon tetrachloride	mg/l	0.0500	0.0595	119	70 - 130	4715
Chlorobenzene	mg/l	0.0500	0.0490	98	80 - 118	6267
Chlorobenzene	mg/l	0.0500	0.0475	95	80 - 118	4715
Chlorobenzene	mg/l	0.0500	0.0506	101	80 - 118	4715
Chloroethane	mg/l	0.0500	0.0376	75	59 - 144	6267
Chloroethane	mg/l	0.0500	0.0450	90	59 - 144	4715
Chloroethane	mg/l	0.0500	0.0471	94	59 - 144	4715
Chloroform	mg/l	0.0500	0.0479	96	74 - 123	6267
Chloroform	mg/l	0.0500	0.0467	93	74 - 123	4715
Chloroform	mg/l	0.0500	0.0497	99	74 - 123	4715
Chloromethane	mg/l	0.0500	0.0370	74	47 - 155	6267
Chloromethane	mg/l	0.0500	0.0476	95	47 - 155	4715
Chloromethane	mg/l	0.0500	0.0468	94	47 - 155	4715
2-Chlorotoluene	mg/l	0.0500	0.0488	98	74 - 126	6267
2-Chlorotoluene	mg/l	0.0500	0.0445	89	74 - 126	4715
2-Chlorotoluene	mg/l	0.0500	0.0498	100	74 - 126	4715

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
4-Chlorotoluene	mg/l	0.0500	0.0492	98	75 - 125	6267
4-Chlorotoluene	mg/l	0.0500	0.0452	90	75 - 125	4715
4-Chlorotoluene	mg/l	0.0500	0.0505	101	75 - 125	4715
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0640	128	58 - 133	6267
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0590	118	58 - 133	4715
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0730	146 #	58 - 133	4715
Dibromochloromethane	mg/l	0.0500	0.0539	108	73 - 125	6267
Dibromochloromethane	mg/l	0.0500	0.0523	105	73 - 125	4715
Dibromochloromethane	mg/l	0.0500	0.0579	116	73 - 125	4715
1,2-Dibromoethane	mg/l	0.0500	0.0546	109	74 - 125	6267
1,2-Dibromoethane	mg/l	0.0500	0.0513	103	74 - 125	4715
1,2-Dibromoethane	mg/l	0.0500	0.0552	110	74 - 125	4715
Dibromomethane	mg/l	0.0500	0.0522	104	71 - 130	6267
Dibromomethane	mg/l	0.0500	0.0500	100	71 - 130	4715
Dibromomethane	mg/l	0.0500	0.0528	106	71 - 130	4715
1,2-Dichlorobenzene	mg/l	0.0500	0.0501	100	76 - 122	6267
1,2-Dichlorobenzene	mg/l	0.0500	0.0448	90	76 - 122	4715
1,2-Dichlorobenzene	mg/l	0.0500	0.0508	102	76 - 122	4715
1,3-Dichlorobenzene	mg/l	0.0500	0.0497	99	75 - 122	6267
1,3-Dichlorobenzene	mg/l	0.0500	0.0448	90	75 - 122	4715
1,3-Dichlorobenzene	mg/l	0.0500	0.0513	103	75 - 122	4715
1,4-Dichlorobenzene	mg/l	0.0500	0.0484	97	76 - 119	6267
1,4-Dichlorobenzene	mg/l	0.0500	0.0441	88	76 - 119	4715
1,4-Dichlorobenzene	mg/l	0.0500	0.0500	100	76 - 119	4715
Dichlorodifluoromethane	mg/l	0.0500	0.0370	74	53 - 151	6267
Dichlorodifluoromethane	mg/l	0.0500	0.0469	94	53 - 151	4715
Dichlorodifluoromethane	mg/l	0.0500	0.0491	98	53 - 151	4715
1,1-Dichloroethane	mg/l	0.0500	0.0481	96	76 - 127	6267
1,1-Dichloroethane	mg/l	0.0500	0.0475	95	76 - 127	4715
1,1-Dichloroethane	mg/l	0.0500	0.0507	101	76 - 127	4715
1,2-Dichloroethane	mg/l	0.0500	0.0508	102	66 - 133	6267
1,2-Dichloroethane	mg/l	0.0500	0.0487	97	66 - 133	4715
1,2-Dichloroethane	mg/l	0.0500	0.0504	101	66 - 133	4715

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 5

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,1-Dichloroethene	mg/l	0.0500	0.0474	95	72 - 127	6267
1,1-Dichloroethene	mg/l	0.0500	0.0471	94	72 - 127	4715
1,1-Dichloroethene	mg/l	0.0500	0.0498	100	72 - 127	4715
cis-1,2-Dichloroethene	mg/l	0.0500	0.0488	98	74 - 127	6267
cis-1,2-Dichloroethene	mg/l	0.0500	0.0486	97	74 - 127	4715
cis-1,2-Dichloroethene	mg/l	0.0500	0.0494	99	74 - 127	4715
trans-1,2-Dichloroethene	mg/l	0.0500	0.0470	94	70 - 132	6267
trans-1,2-Dichloroethene	mg/l	0.0500	0.0479	96	70 - 132	4715
trans-1,2-Dichloroethene	mg/l	0.0500	0.0490	98	70 - 132	4715
1,2-Dichloropropane	mg/l	0.0500	0.0514	103	76 - 124	6267
1,2-Dichloropropane	mg/l	0.0500	0.0491	98	76 - 124	4715
1,2-Dichloropropane	mg/l	0.0500	0.0518	104	76 - 124	4715
1,3-Dichloropropane	mg/l	0.0500	0.0528	106	72 - 129	6267
1,3-Dichloropropane	mg/l	0.0500	0.0505	101	72 - 129	4715
1,3-Dichloropropane	mg/l	0.0500	0.0531	106	72 - 129	4715
2,2-Dichloropropane	mg/l	0.0500	0.0490	98	33 - 152	6267
2,2-Dichloropropane	mg/l	0.0500	0.0547	109	33 - 152	4715
2,2-Dichloropropane	mg/l	0.0500	0.0375	75	33 - 152	4715
1,1-Dichloropropene	mg/l	0.0500	0.0489	98	73 - 127	6267
1,1-Dichloropropene	mg/l	0.0500	0.0492	98	73 - 127	4715
1,1-Dichloropropene	mg/l	0.0500	0.0516	103	73 - 127	4715
cis-1,3-Dichloropropene	mg/l	0.0500	0.0528	106	58 - 131	6267
cis-1,3-Dichloropropene	mg/l	0.0500	0.0524	105	58 - 131	4715
cis-1,3-Dichloropropene	mg/l	0.0500	0.0520	104	58 - 131	4715
trans-1,3-Dichloropropene	mg/l	0.0500	0.0489	98	53 - 133	6267
trans-1,3-Dichloropropene	mg/l	0.0500	0.0483	97	53 - 133	4715
trans-1,3-Dichloropropene	mg/l	0.0500	0.0478	96	53 - 133	4715
Ethylbenzene	mg/l	0.0500	0.0496	99	77 - 126	6267
Ethylbenzene	mg/l	0.0500	0.0490	98	77 - 126	4715
Ethylbenzene	mg/l	0.0500	0.0517	103	77 - 126	4715
Hexachlorobutadiene	mg/l	0.0500	0.0458	92	52 - 139	6267
Hexachlorobutadiene	mg/l	0.0500	0.0422	84	52 - 139	4715
Hexachlorobutadiene	mg/l	0.0500	0.0450	90	52 - 139	4715

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
2-Hexanone	mg/l	0.250	0.286	114	61 - 136	6267
2-Hexanone	mg/l	0.250	0.278	111	61 - 136	4715
2-Hexanone	mg/l	0.250	0.292	117	61 - 136	4715
Isopropylbenzene	mg/l	0.0500	0.0497	99	74 - 127	6267
Isopropylbenzene	mg/l	0.0500	0.0453	91	74 - 127	4715
Isopropylbenzene	mg/l	0.0500	0.0518	104	74 - 127	4715
4-Isopropyltoluene	mg/l	0.0500	0.0489	98	69 - 113	6267
4-Isopropyltoluene	mg/l	0.0500	0.0448	90	69 - 113	4715
4-Isopropyltoluene	mg/l	0.0500	0.0505	101	69 - 113	4715
4-Methyl-2-pentanone	mg/l	0.250	0.286	114	63 - 135	6267
4-Methyl-2-pentanone	mg/l	0.250	0.273	109	63 - 135	4715
4-Methyl-2-pentanone	mg/l	0.250	0.289	116	63 - 135	4715
Methylene chloride	mg/l	0.0500	0.0498	100	70 - 130	6267
Methylene chloride	mg/l	0.0500	0.0469	94	70 - 130	4715
Methylene chloride	mg/l	0.0500	0.0490	98	70 - 130	4715
Naphthalene	mg/l	0.0500	0.0502	100	57 - 143	6267
Naphthalene	mg/l	0.0500	0.0424	85	57 - 143	4715
Naphthalene	mg/l	0.0500	0.0523	105	57 - 143	4715
n-Propylbenzene	mg/l	0.0500	0.0491	98	71 - 130	6267
n-Propylbenzene	mg/l	0.0500	0.0453	91	71 - 130	4715
n-Propylbenzene	mg/l	0.0500	0.0505	101	71 - 130	4715
Styrene	mg/l	0.0500	0.0534	107	77 - 122	6267
Styrene	mg/l	0.0500	0.0513	103	77 - 122	4715
Styrene	mg/l	0.0500	0.0544	109	77 - 122	4715
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0532	106	71 - 130	6267
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0526	105	71 - 130	4715
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0562	112	71 - 130	4715
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0539	108	57 - 136	6267
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0524	105	57 - 136	4715
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0527	105	57 - 136	4715
Tetrachloroethene	mg/l	0.0500	0.0486	97	72 - 126	6267
Tetrachloroethene	mg/l	0.0500	0.0484	97	72 - 126	4715
Tetrachloroethene	mg/l	0.0500	0.0510	102	72 - 126	4715

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 7

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Toluene	mg/l	0.0500	0.0493	99	78 - 124	6267
Toluene	mg/l	0.0500	0.0485	97	78 - 124	4715
Toluene	mg/l	0.0500	0.0511	102	78 - 124	4715
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0530	106	58 - 139	6267
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0431	86	58 - 139	4715
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0544	109	58 - 139	4715
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0624	125	60 - 132	6267
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0547	109	60 - 132	4715
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0625	125	60 - 132	4715
1,1,1-Trichloroethane	mg/l	0.0500	0.0477	95	70 - 130	6267
1,1,1-Trichloroethane	mg/l	0.0500	0.0484	97	70 - 130	4715
1,1,1-Trichloroethane	mg/l	0.0500	0.0527	105	70 - 130	4715
1,1,2-Trichloroethane	mg/l	0.0500	0.0528	106	75 - 124	6267
1,1,2-Trichloroethane	mg/l	0.0500	0.0502	100	75 - 124	4715
1,1,2-Trichloroethane	mg/l	0.0500	0.0522	104	75 - 124	4715
Trichloroethene	mg/l	0.0500	0.0480	96	70 - 136	6267
Trichloroethene	mg/l	0.0500	0.0521	104	70 - 136	8300
1,2,3-Trichloropropane	mg/l	0.0500	0.0549	110	63 - 132	6267
1,2,3-Trichloropropane	mg/l	0.0500	0.0536	107	63 - 132	4715
1,2,3-Trichloropropane	mg/l	0.0500	0.0546	109	63 - 132	4715
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0498	100	73 - 127	6267
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0450	90	73 - 127	4715
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0508	102	73 - 127	4715
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0502	100	72 - 128	6267
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0460	92	72 - 128	4715
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0514	103	72 - 128	4715
Vinyl chloride	mg/l	0.0500	0.0380	76	62 - 144	6267
Vinyl chloride	mg/l	0.0500	0.0473	95	62 - 144	4715
Vinyl chloride	mg/l	0.0500	0.0493	99	62 - 144	4715
Xylenes (Total)	mg/l	0.150	0.152	101	76 - 127	6267
Xylenes (Total)	mg/l	0.150	0.148	99	76 - 127	4715
Xylenes (Total)	mg/l	0.150	0.156	104	76 - 127	4715
Bromodichloromethane	mg/l	0.0500	0.0506	101	69 - 130	6267

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 02027042

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Bromodichloromethane	mg/l	0.0500	0.0492	98	69 - 130	4715
Bromodichloromethane	mg/l	0.0500	0.0522	104	69 - 130	4715
Trichlorofluoromethane	mg/l	0.0500	0.0394	79	64 - 136	6267
Trichlorofluoromethane	mg/l	0.0500	0.0488	98	64 - 136	4715
Trichlorofluoromethane	mg/l	0.0500	0.0514	103	64 - 136	4715
VOA Surr 1,2-DCA-d4	% Rec			97	60 - 158	6267
VOA Surr 1,2-DCA-d4	% Rec			96	60 - 158	8300
VOA Surr Toluene-d8	% Rec			102	82 - 127	6267
VOA Surr Toluene-d8	% Rec			100	82 - 127	8300
VOA Surr, 4-BFB	% Rec			97	72 - 136	6267
VOA Surr, 4-BFB	% Rec			97	72 - 136	8300
VOA Surr, DBFM	% Rec			100	81 - 137	6267
VOA Surr, DBFM	% Rec			100	81 - 137	8300

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Acetone	< 0.0084	mg/l	4715	6/11/02	13:24
Acetone	< 0.0084	mg/l	6267	6/11/02	0:54
Acetone	< 0.0084	mg/l	4715	6/12/02	10:09
Benzene	< 0.0007	mg/l	4715	6/11/02	13:24
Benzene	< 0.0007	mg/l	6267	6/11/02	0:54
Benzene	< 0.0007	mg/l	4715	6/12/02	10:09
Bromobenzene	< 0.0007	mg/l	4715	6/11/02	13:24
Bromobenzene	< 0.0007	mg/l	6267	6/11/02	0:54
Bromobenzene	< 0.0007	mg/l	4715	6/12/02	10:09
Bromochloromethane	< 0.0006	mg/l	4715	6/11/02	13:24
Bromochloromethane	< 0.0006	mg/l	6267	6/11/02	0:54
Bromochloromethane	< 0.0006	mg/l	4715	6/12/02	10:09
Bromoform	< 0.0007	mg/l	4715	6/11/02	13:24

roject QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 9

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Bromoform	< 0.0007	mg/l	6267	6/11/02	0:54
Bromoform	< 0.0007	mg/l	4715	6/12/02	10:09
Bromomethane	< 0.0008	mg/l	4715	6/11/02	13:24
Bromomethane	< 0.0008	mg/l	6267	6/11/02	0:54
Bromomethane	< 0.0008	mg/l	4715	6/12/02	10:09
2-Butanone	< 0.0039	mg/l	4715	6/11/02	13:24
2-Butanone	< 0.0039	mg/l	6267	6/11/02	0:54
2-Butanone	< 0.0039	mg/l	4715	6/12/02	10:09
n-Butylbenzene	< 0.0007	mg/l	4715	6/11/02	13:24
n-Butylbenzene	< 0.0007	mg/l	6267	6/11/02	0:54
n-Butylbenzene	< 0.0007	mg/l	4715	6/12/02	10:09
sec-Butylbenzene	< 0.0008	mg/l	4715	6/11/02	13:24
sec-Butylbenzene	< 0.0008	mg/l	6267	6/11/02	0:54
sec-Butylbenzene	< 0.0008	mg/l	4715	6/12/02	10:09
t-Butylbenzene	< 0.0009	mg/l	4715	6/11/02	13:24
t-Butylbenzene	< 0.0009	mg/l	6267	6/11/02	0:54
t-Butylbenzene	< 0.0009	mg/l	4715	6/12/02	10:09
Carbon disulfide	< 0.0008	mg/l	4715	6/11/02	13:24
Carbon disulfide	< 0.0008	mg/l	6267	6/11/02	0:54
Carbon disulfide	< 0.0008	mg/l	4715	6/12/02	10:09
Carbon tetrachloride	< 0.0007	mg/l	4715	6/11/02	13:24
Carbon tetrachloride	< 0.0007	mg/l	6267	6/11/02	0:54
Carbon tetrachloride	< 0.0007	mg/l	4715	6/12/02	10:09
Chlorobenzene	< 0.0007	mg/l	4715	6/11/02	13:24
Chlorobenzene	< 0.0007	mg/l	6267	6/11/02	0:54
Chlorobenzene	< 0.0007	mg/l	4715	6/12/02	10:09
Chloroethane	< 0.0009	mg/l	4715	6/11/02	13:24
Chloroethane	< 0.0009	mg/l	6267	6/11/02	0:54
Chloroethane	< 0.0009	mg/l	4715	6/12/02	10:09
Chloroform	< 0.0006	mg/l	4715	6/11/02	13:24
Chloroform	< 0.0006	mg/l	6267	6/11/02	0:54
Chloroform	< 0.0006	mg/l	4715	6/12/02	10:09
Chloromethane	< 0.0005	mg/l	4715	6/11/02	13:24

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 02027042

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Chloromethane	< 0.0005	mg/l	6267	6/11/02	0:54
Chloromethane	< 0.0005	mg/l	4715	6/12/02	10:09
2-Chlorotoluene	< 0.0007	mg/l	4715	6/11/02	13:24
2-Chlorotoluene	< 0.0007	mg/l	6267	6/11/02	0:54
2-Chlorotoluene	< 0.0007	mg/l	4715	6/12/02	10:09
4-Chlorotoluene	< 0.0006	mg/l	4715	6/11/02	13:24
4-Chlorotoluene	< 0.0006	mg/l	6267	6/11/02	0:54
4-Chlorotoluene	< 0.0006	mg/l	4715	6/12/02	10:09
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	4715	6/11/02	13:24
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	6267	6/11/02	0:54
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	4715	6/12/02	10:09
Dibromochloromethane	< 0.0004	mg/l	4715	6/11/02	13:24
Dibromochloromethane	< 0.0004	mg/l	6267	6/11/02	0:54
Dibromochloromethane	< 0.0004	mg/l	4715	6/12/02	10:09
1,2-Dibromoethane	< 0.0005	mg/l	4715	6/11/02	13:24
1,2-Dibromoethane	< 0.0005	mg/l	6267	6/11/02	0:54
1,2-Dibromoethane	< 0.0005	mg/l	4715	6/12/02	10:09
Dibromomethane	< 0.0004	mg/l	4715	6/11/02	13:24
Dibromomethane	< 0.0004	mg/l	6267	6/11/02	0:54
Dibromomethane	< 0.0004	mg/l	4715	6/12/02	10:09
1,2-Dichlorobenzene	< 0.0005	mg/l	4715	6/11/02	13:24
1,2-Dichlorobenzene	< 0.0005	mg/l	6267	6/11/02	0:54
1,2-Dichlorobenzene	< 0.0005	mg/l	4715	6/12/02	10:09
1,3-Dichlorobenzene	< 0.0006	mg/l	4715	6/11/02	13:24
1,3-Dichlorobenzene	< 0.0006	mg/l	6267	6/11/02	0:54
1,3-Dichlorobenzene	< 0.0006	mg/l	4715	6/12/02	10:09
1,4-Dichlorobenzene	< 0.0005	mg/l	4715	6/11/02	13:24
1,4-Dichlorobenzene	< 0.0005	mg/l	6267	6/11/02	0:54
1,4-Dichlorobenzene	< 0.0005	mg/l	4715	6/12/02	10:09
Dichlorodifluoromethane	< 0.0004	mg/l	4715	6/11/02	13:24
Dichlorodifluoromethane	< 0.0004	mg/l	6267	6/11/02	0:54
Dichlorodifluoromethane	< 0.0004	mg/l	4715	6/12/02	10:09
1,1-Dichloroethane	< 0.0008	mg/l	4715	6/11/02	13:24

roject QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 11

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1-Dichloroethane	< 0.0008	mg/l	6267	6/11/02	0:54
1,1-Dichloroethane	< 0.0008	mg/l	4715	6/12/02	10:09
1,2-Dichloroethane	< 0.0009	mg/l	4715	6/11/02	13:24
1,2-Dichloroethane	< 0.0009	mg/l	6267	6/11/02	0:54
1,2-Dichloroethane	< 0.0009	mg/l	4715	6/12/02	10:09
1,1-Dichloroethene	< 0.0008	mg/l	4715	6/11/02	13:24
1,1-Dichloroethene	< 0.0008	mg/l	6267	6/11/02	0:54
1,1-Dichloroethene	< 0.0008	mg/l	4715	6/12/02	10:09
cis-1,2-Dichloroethene	< 0.0007	mg/l	4715	6/11/02	13:24
cis-1,2-Dichloroethene	< 0.0007	mg/l	6267	6/11/02	0:54
cis-1,2-Dichloroethene	< 0.0007	mg/l	4715	6/12/02	10:09
trans-1,2-Dichloroethene	< 0.0008	mg/l	4715	6/11/02	13:24
trans-1,2-Dichloroethene	< 0.0008	mg/l	6267	6/11/02	0:54
trans-1,2-Dichloroethene	< 0.0008	mg/l	4715	6/12/02	10:09
1,2-Dichloropropane	< 0.0006	mg/l	4715	6/11/02	13:24
1,2-Dichloropropane	< 0.0006	mg/l	6267	6/11/02	0:54
1,2-Dichloropropane	< 0.0006	mg/l	4715	6/12/02	10:09
1,3-Dichloropropane	< 0.0006	mg/l	4715	6/11/02	13:24
1,3-Dichloropropane	< 0.0006	mg/l	6267	6/11/02	0:54
1,3-Dichloropropane	< 0.0006	mg/l	4715	6/12/02	10:09
2,2-Dichloropropane	< 0.0009	mg/l	4715	6/11/02	13:24
2,2-Dichloropropane	< 0.0009	mg/l	6267	6/11/02	0:54
2,2-Dichloropropane	< 0.0009	mg/l	4715	6/12/02	10:09
1,1-Dichloropropene	< 0.0007	mg/l	4715	6/11/02	13:24
1,1-Dichloropropene	< 0.0007	mg/l	6267	6/11/02	0:54
1,1-Dichloropropene	< 0.0007	mg/l	4715	6/12/02	10:09
cis-1,3-Dichloropropene	< 0.0007	mg/l	4715	6/11/02	13:24
cis-1,3-Dichloropropene	< 0.0007	mg/l	6267	6/11/02	0:54
cis-1,3-Dichloropropene	< 0.0007	mg/l	4715	6/12/02	10:09
trans-1,3-Dichloropropene	< 0.0005	mg/l	4715	6/11/02	13:24
trans-1,3-Dichloropropene	< 0.0005	mg/l	6267	6/11/02	0:54
trans-1,3-Dichloropropene	< 0.0005	mg/l	4715	6/12/02	10:09
Ethylbenzene	< 0.0007	mg/l	4715	6/11/02	13:24

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 02027042

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylbenzene	< 0.0007	mg/l	6267	6/11/02	0:54
Ethylbenzene	< 0.0007	mg/l	4715	6/12/02	10:09
Hexachlorobutadiene	< 0.0008	mg/l	4715	6/11/02	13:24
Hexachlorobutadiene	< 0.0008	mg/l	6267	6/11/02	0:54
Hexachlorobutadiene	< 0.0008	mg/l	4715	6/12/02	10:09
2-Hexanone	< 0.0028	mg/l	4715	6/11/02	13:24
2-Hexanone	< 0.0028	mg/l	6267	6/11/02	0:54
2-Hexanone	< 0.0028	mg/l	4715	6/12/02	10:09
Isopropylbenzene	< 0.0008	mg/l	4715	6/11/02	13:24
Isopropylbenzene	< 0.0008	mg/l	6267	6/11/02	0:54
Isopropylbenzene	< 0.0008	mg/l	4715	6/12/02	10:09
4-Isopropyltoluene	< 0.0008	mg/l	4715	6/11/02	13:24
4-Isopropyltoluene	< 0.0008	mg/l	6267	6/11/02	0:54
4-Isopropyltoluene	< 0.0008	mg/l	4715	6/12/02	10:09
4-Methyl-2-pentanone	< 0.0046	mg/l	4715	6/11/02	13:24
4-Methyl-2-pentanone	< 0.0046	mg/l	6267	6/11/02	0:54
4-Methyl-2-pentanone	< 0.0046	mg/l	4715	6/12/02	10:09
Methylene chloride	< 0.0015	mg/l	4715	6/11/02	13:24
Methylene chloride	< 0.0015	mg/l	6267	6/11/02	0:54
Methylene chloride	< 0.0015	mg/l	4715	6/12/02	10:09
Naphthalene	< 0.0019	mg/l	4715	6/11/02	13:24
Naphthalene	< 0.0019	mg/l	6267	6/11/02	0:54
Naphthalene	< 0.0019	mg/l	4715	6/12/02	10:09
n-Propylbenzene	< 0.0008	mg/l	4715	6/11/02	13:24
n-Propylbenzene	< 0.0008	mg/l	6267	6/11/02	0:54
n-Propylbenzene	< 0.0008	mg/l	4715	6/12/02	10:09
Styrene	< 0.0009	mg/l	4715	6/11/02	13:24
Styrene	< 0.0009	mg/l	6267	6/11/02	0:54
Styrene	< 0.0009	mg/l	4715	6/12/02	10:09
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	4715	6/11/02	13:24
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	6267	6/11/02	0:54
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	4715	6/12/02	10:09
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	4715	6/11/02	13:24

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 13

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	6267	6/11/02	0:54
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	4715	6/12/02	10:09
Tetrachloroethene	< 0.0008	mg/l	4715	6/11/02	13:24
Tetrachloroethene	< 0.0008	mg/l	6267	6/11/02	0:54
Tetrachloroethene	< 0.0008	mg/l	4715	6/12/02	10:09
Toluene	< 0.0007	mg/l	4715	6/11/02	13:24
Toluene	< 0.0007	mg/l	6267	6/11/02	0:54
Toluene	< 0.0007	mg/l	4715	6/12/02	10:09
1,2,3-Trichlorobenzene	< 0.0006	mg/l	4715	6/11/02	13:24
1,2,3-Trichlorobenzene	< 0.0006	mg/l	6267	6/11/02	0:54
1,2,3-Trichlorobenzene	< 0.0006	mg/l	4715	6/12/02	10:09
1,2,4-Trichlorobenzene	< 0.0009	mg/l	4715	6/11/02	13:24
1,2,4-Trichlorobenzene	< 0.0009	mg/l	6267	6/11/02	0:54
1,2,4-Trichlorobenzene	< 0.0009	mg/l	4715	6/12/02	10:09
1,1,1-Trichloroethane	< 0.0007	mg/l	4715	6/11/02	13:24
1,1,1-Trichloroethane	< 0.0007	mg/l	6267	6/11/02	0:54
1,1,1-Trichloroethane	< 0.0007	mg/l	4715	6/12/02	10:09
1,1,2-Trichloroethane	< 0.0005	mg/l	4715	6/11/02	13:24
1,1,2-Trichloroethane	< 0.0005	mg/l	6267	6/11/02	0:54
1,1,2-Trichloroethane	< 0.0005	mg/l	4715	6/12/02	10:09
Trichloroethene	< 0.0009	mg/l	6267	6/11/02	0:54
Trichloroethene	< 0.0009	mg/l	8300	6/12/02	10:09
1,2,3-Trichloropropane	< 0.0004	mg/l	4715	6/11/02	13:24
1,2,3-Trichloropropane	< 0.0004	mg/l	6267	6/11/02	0:54
1,2,3-Trichloropropane	< 0.0004	mg/l	4715	6/12/02	10:09
1,2,4-Trimethylbenzene	< 0.0006	mg/l	4715	6/11/02	13:24
1,2,4-Trimethylbenzene	< 0.0006	mg/l	6267	6/11/02	0:54
1,2,4-Trimethylbenzene	< 0.0006	mg/l	4715	6/12/02	10:09
1,3,5-Trimethylbenzene	< 0.0008	mg/l	4715	6/11/02	13:24
1,3,5-Trimethylbenzene	< 0.0008	mg/l	6267	6/11/02	0:54
1,3,5-Trimethylbenzene	< 0.0008	mg/l	4715	6/12/02	10:09
Vinyl chloride	< 0.0005	mg/l	4715	6/11/02	13:24
Vinyl chloride	< 0.0005	mg/l	6267	6/11/02	0:54

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 02027042

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Vinyl chloride	< 0.0005	mg/l	4715	6/12/02	10:09
Xylenes (Total)	< 0.0009	mg/l	4715	6/11/02	13:24
Xylenes (Total)	< 0.0009	mg/l	6267	6/11/02	0:54
Xylenes (Total)	< 0.0009	mg/l	4715	6/12/02	10:09
Bromodichloromethane	< 0.0008	mg/l	4715	6/11/02	13:24
Bromodichloromethane	< 0.0008	mg/l	6267	6/11/02	0:54
Bromodichloromethane	< 0.0008	mg/l	4715	6/12/02	10:09
Trichlorofluoromethane	< 0.0007	mg/l	4715	6/11/02	13:24
Trichlorofluoromethane	< 0.0007	mg/l	6267	6/11/02	0:54
Trichlorofluoromethane	< 0.0007	mg/l	4715	6/12/02	10:09
VOA Surr 1,2-DCA-d4	99.	% Rec	6267	6/11/02	0:54
VOA Surr 1,2-DCA-d4	98.	% Rec	8300	6/12/02	10:09
VOA Surr Toluene-d8	101.	% Rec	6267	6/11/02	0:54
VOA Surr Toluene-d8	101.	% Rec	8300	6/12/02	10:09
VOA Surr, 4-BFB	109.	% Rec	6267	6/11/02	0:54
VOA Surr, 4-BFB	106.	% Rec	8300	6/12/02	10:09
VOA Surr, DBFM	100.	% Rec	6267	6/11/02	0:54
VOA Surr, DBFM	100.	% Rec	8300	6/12/02	10:09

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 287832

291447

Terracon

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

PAGE 1 OF 1

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777
Fax: (913) 492-7443

Client No.	9451
Site Location:	601-607 Hardesty
Site Address:	Kansas City, Missouri
Project Manager:	Tracie A. Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Adam Inman AI

Project Name	Project Number
Hardesty Federal Complex	02027042

Fax Results	Date Needed	Results Attention to
yes	7-8-02	Tracie A. Ragland

SAMPLE I.D.	DATE	TIME	MATRIX	COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	Other:	NUMBER OF CONTAINERS	ANALYSIS	VOCs							REMARKS
				PRESERVATIVE							METHOD	8260B							
GW-1	7/1/02	1206	GW	X	X					3		x							108966
GW-4	7/1/02	1145	GW	X	X					3		x							67
GW-8	7/1/02	1215	GW	X	X					3		x							68
GW-9	7/1/02	1130	GW	X	X					3		x							69
FD, GW-9	7/1/02	1130	GW	X	X					3		x							70
FB	7/1/02		W	X	X					3		x							71
TB	7/1/02		W	X	X					1		x							108972

Special Requests:

SHIPPING VIA: FedEx Overnight

Date Needed: 7-8-02

LABORATORY PRIORITY

Standard ____ 72 Hour X
24- Hour ____ Other ____

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
Adam Inman	J. Jacobs		
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon	T.A.-Nashville		
FIRM	FIRM	FIRM	FIRM
7-1-02 / 1900	7/2/02 / 900		
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: Terracon BC# 291442

Cooler Received On: 7/2/02 And Opened On: 7/2/02 By: *James Jacobs*

(Signature)

1. Temperature of Cooler when opened 2 **Degrees Celsius**
2. Were custody seals on outside of cooler?.....YES...NO
   a. If yes, how many, what kind and where: 1 Tape Front
3. Were custody seals on containers and intact?.....NO...YES
4. Were the seals intact, signed, and dated correctly?.....YES....NO
5. Were custody papers inside cooler?.....YES....NO
6. Were custody papers properly filled out (ink,signed,etc)?.....YES....NO
7. Did you sign the custody papers in the appropriate place?.....YES...NO
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO
12. Did all bottle labels and tags agree with custody papers?.....YES...NO
13. Were correct bottles used for the analysis requested?.....YES...NO
14. a. Were VOA vials received?.....YES...NO
    b. Was there any observable head space present in any VOA vial?.....NO...YES
15. Was sufficient amount of sample sent in each bottle?.....YES...NO
16. Were correct preservatives used?.....YES...NO
17. Was residual chlorine present?.....NO...YES
18. Corrective action taken, if necessary:

    See attached for resolution

TestAmerica
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7/ 8/02

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project #02027042 HARDESTY FEDERAL COMPLEX. The Laboratory Project number is 291447. An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
GW-1	02-A108966	7/ 1/02
GW-4	02-A108967	7/ 1/02
GW-8	02-A108968	7/ 1/02
GW-9	02-A108969	7/ 1/02
FD,GW-9	02-A108970	7/ 1/02
FB	02-A108971	7/ 1/02
TB	02-A108972	7/ 1/02

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Report Date: 7/ 8/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: #02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A108966
Sample ID: GW-1
Sample Type: Ground water
Site ID:

Date Collected: 7/ 1/02
Time Collected: 12:06
Date Received: 7/ 2/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	7/ 6/02	18:08	J.Haley	8260B	7347
Benzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Bromobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Bromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Bromoform	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Bromomethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
2-Butanone	ND	mg/l	0.0500	1	7/ 6/02	18:08	J.Haley	8260B	7347
n-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
sec-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
t-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Carbon disulfide	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Carbon tetrachloride	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Chlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Chloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Chloroform	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Chloromethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
2-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
4-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Dibromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2-Dibromoethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Dibromomethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347

ample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A108966
Sample ID: GW-1
Project: #02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Dichlorodifluoromethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,1-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,1-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,3-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
2,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,1-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Ethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Hexachlorobutadiene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
2-Hexanone	ND	mg/l	0.0100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Isopropylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
4-Isopropyltoluene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Methylene chloride	ND	mg/l	0.00500	1	7/ 6/02	18:08	J.Haley	8260B	7347
Naphthalene	ND	mg/l	0.00500	1	7/ 6/02	18:08	J.Haley	8260B	7347
n-Propylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Styrene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Tetrachloroethene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Toluene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Trichloroethene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,2,4-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Vinyl chloride	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A108966
Sample ID: GW-1
Project: #02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Bromodichloromethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347
Trichlorofluoromethane	ND	mg/l	0.00100	1	7/ 6/02	18:08	J.Haley	8260B	7347

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	89.	56. - 155.
VOA Surr Toluene-d8	87.	79. - 130.
VOA Surr, 4-BFB	96.	62. - 155.
VOA Surr, DBFM	89.	74. - 127.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

ıd of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: #02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A108967
Sample ID: GW-4
Sample Type: Ground water
Site ID:

Date Collected: 7/ 1/02
Time Collected: 11:45
Date Received: 7/ 2/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	7/ 6/02	18:36	J.Haley	8260B	7347
Benzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Bromobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Bromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Bromoform	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Bromomethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
2-Butanone	ND	mg/l	0.0500	1	7/ 6/02	18:36	J.Haley	8260B	7347
n-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
sec-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
t-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Carbon disulfide	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Carbon tetrachloride	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Chlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Chloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Chloroform	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Chloromethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
2-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
4-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Dibromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,2-Dibromoethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Dibromomethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A108967
Sample ID: GW-4
Project: #02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Dichlorodifluoromethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,1-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,2-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,1-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
cis-1,2-Dichloroethene	0.0390	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
trans-1,2-Dichloroethene	0.00560	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,3-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
2,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,1-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Ethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Hexachlorobutadiene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
2-Hexanone	ND	mg/l	0.0100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Isopropylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
4-Isopropyltoluene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Methylene chloride	ND	mg/l	0.00500	1	7/ 6/02	18:36	J.Haley	8260B	7347
Naphthalene	ND	mg/l	0.00500	1	7/ 6/02	18:36	J.Haley	8260B	7347
n-Propylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Styrene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,1,2,2-Tetrachloroethane	0.124	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Tetrachloroethene	0.00570	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Toluene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,1,2-Trichloroethane	0.00750	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Trichloroethene	0.812	mg/l	0.0100	10	7/ 7/02	19:28	J.Haley	8260B	7353
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,2,4-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Vinyl chloride	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A108967
Sample ID: GW-4
Project: #02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Bromodichloromethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347
Trichlorofluoromethane	ND	mg/l	0.00100	1	7/ 6/02	18:36	J.Haley	8260B	7347

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	56. - 155.
VOA Surr Toluene-d8	94.	79. - 130.
VOA Surr, 4-BFB	95.	62. - 155.
VOA Surr, DBFM	98.	74. - 127.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: #02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A108968
Sample ID: GW-8
Sample Type: Ground water
Site ID:

Date Collected: 7/ 1/02
Time Collected: 12:15
Date Received: 7/ 2/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	7/ 7/02	18:06	J.Haley	8260B	7353
Benzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Bromobenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Bromochloromethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Bromoform	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Bromomethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
2-Butanone	ND	mg/l	0.0500	1	7/ 7/02	18:06	J.Haley	8260B	7353
n-Butylbenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
sec-Butylbenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
t-Butylbenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Carbon disulfide	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Carbon tetrachloride	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Chlorobenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Chloroethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Chloroform	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Chloromethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
2-Chlorotoluene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
4-Chlorotoluene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Dibromochloromethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2-Dibromoethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Dibromomethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A108968
Sample ID: GW-8
Project: #02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Dichlorodifluoromethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,1-Dichloroethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2-Dichloroethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,1-Dichloroethene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,3-Dichloropropane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
2,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,1-Dichloropropene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Ethylbenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Hexachlorobutadiene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
2-Hexanone	ND	mg/l	0.0100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Isopropylbenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
4-Isopropyltoluene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Methylene chloride	ND	mg/l	0.00500	1	7/ 7/02	18:06	J.Haley	8260B	7353
Naphthalene	ND	mg/l	0.00500	1	7/ 7/02	18:06	J.Haley	8260B	7353
n-Propylbenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Styrene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Tetrachloroethene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Toluene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Trichloroethene	0.00110	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,2,4-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Vinyl chloride	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A108968
Sample ID: GW-8
Project: #02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Bromodichloromethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353
Trichlorofluoromethane	ND	mg/l	0.00100	1	7/ 7/02	18:06	J.Haley	8260B	7353

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	56. - 155.
VOA Surr Toluene-d8	91.	79. - 130.
VOA Surr, 4-BFB	95.	62. - 155.
VOA Surr, DBFM	95.	74. - 127.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

nd of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: #02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A108969
Sample ID: GW-9
Sample Type: Ground water
Site ID:

Date Collected: 7/ 1/02
Time Collected: 11:30
Date Received: 7/ 2/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	7/ 6/02	19:30	J.Haley	8260B	7347
Benzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Bromobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Bromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Bromoform	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Bromomethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
2-Butanone	ND	mg/l	0.0500	1	7/ 6/02	19:30	J.Haley	8260B	7347
n-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
sec-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
t-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Carbon disulfide	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Carbon tetrachloride	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Chlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Chloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Chloroform	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Chloromethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
2-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
4-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Dibromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2-Dibromoethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Dibromomethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A108969
Sample ID: GW-9
Project: #02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Dichlorodifluoromethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,1-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,1-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,3-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
2,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,1-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Ethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Hexachlorobutadiene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
2-Hexanone	ND	mg/l	0.0100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Isopropylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
4-Isopropyltoluene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Methylene chloride	ND	mg/l	0.00500	1	7/ 6/02	19:30	J.Haley	8260B	7347
Naphthalene	ND	mg/l	0.00500	1	7/ 6/02	19:30	J.Haley	8260B	7347
n-Propylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Styrene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,1,2,2-Tetrachloroethane	0.00100	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Tetrachloroethene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Toluene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Trichloroethene	0.0191	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,2,4-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Vinyl chloride	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347

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ANALYTICAL REPORT

Laboratory Number: 02-A108969
Sample ID: GW-9
Project: #02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Bromodichloromethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347
Trichlorofluoromethane	ND	mg/l	0.00100	1	7/ 6/02	19:30	J.Haley	8260B	7347

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	56. - 155.
VOA Surr Toluene-d8	93.	79. - 130.
VOA Surr, 4-BFB	96.	62. - 155.
VOA Surr, DBFM	97.	74. - 127.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: #02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A108970
Sample ID: FD,GW-9
Sample Type: Ground water
Site ID:

Date Collected: 7/ 1/02
Time Collected: 11:30
Date Received: 7/ 2/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	7/ 6/02	19:58	J.Haley	8260B	7347
Benzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Bromobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Bromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Bromoform	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Bromomethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
2-Butanone	ND	mg/l	0.0500	1	7/ 6/02	19:58	J.Haley	8260B	7347
n-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
sec-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
t-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Carbon disulfide	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Carbon tetrachloride	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Chlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Chloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Chloroform	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Chloromethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
2-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
4-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Dibromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2-Dibromoethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Dibromomethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347

ample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A108970
Sample ID: FD,GW-9
Project: #02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Dichlorodifluoromethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,1-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,1-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,3-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
2,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,1-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Ethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Hexachlorobutadiene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
2-Hexanone	ND	mg/l	0.0100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Isopropylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
4-Isopropyltoluene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Methylene chloride	ND	mg/l	0.00500	1	7/ 6/02	19:58	J.Haley	8260B	7347
Naphthalene	ND	mg/l	0.00500	1	7/ 6/02	19:58	J.Haley	8260B	7347
n-Propylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Styrene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,1,2,2-Tetrachloroethane	0.00110	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Tetrachloroethene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Toluene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Trichloroethene	0.0188	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,2,4-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Vinyl chloride	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A108970
Sample ID: FD,GW-9
Project: #02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Bromodichloromethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347
Trichlorofluoromethane	ND	mg/l	0.00100	1	7/ 6/02	19:58	J.Haley	8260B	7347

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	56. - 155.
VOA Surr Toluene-d8	92.	79. - 130.
VOA Surr, 4-BFB	97.	62. - 155.
VOA Surr, DBFM	95.	74. - 127.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

ıd of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: #02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A108971
Sample ID: FB
Sample Type: Ground water
Site ID:

Date Collected: 7/ 1/02
Time Collected:
Date Received: 7/ 2/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	7/ 6/02	16:18	J.Haley	8260B	7347
Benzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Bromobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Bromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Bromoform	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Bromomethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
2-Butanone	ND	mg/l	0.0500	1	7/ 6/02	16:18	J.Haley	8260B	7347
n-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
sec-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
t-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Carbon disulfide	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Carbon tetrachloride	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Chlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Chloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Chloroform	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Chloromethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
2-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
4-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Dibromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2-Dibromoethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Dibromomethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A108971
Sample ID: FB
Project: #02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Dichlorodifluoromethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,1-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,1-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,3-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
2,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,1-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Ethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Hexachlorobutadiene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
2-Hexanone	ND	mg/l	0.0100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Isopropylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
4-Isopropyltoluene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Methylene chloride	ND	mg/l	0.00500	1	7/ 6/02	16:18	J.Haley	8260B	7347
Naphthalene	ND	mg/l	0.00500	1	7/ 6/02	16:18	J.Haley	8260B	7347
n-Propylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Styrene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Tetrachloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Toluene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Trichloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,2,4-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Vinyl chloride	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347

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TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A108971
Sample ID: FB
Project: #02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Bromodichloromethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347
Trichlorofluoromethane	ND	mg/l	0.00100	1	7/ 6/02	16:18	J.Haley	8260B	7347

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	56. - 155.
VOA Surr Toluene-d8	88.	79. - 130.
VOA Surr, 4-BFB	98.	62. - 155.
VOA Surr, DBFM	90.	74. - 127.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
JASON POULSEN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: #02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler:

Lab Number: 02-A108972
Sample ID: TB
Sample Type: Ground water
Site ID:

Date Collected: 7/ 1/02
Time Collected:
Date Received: 7/ 2/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	1	7/ 6/02	16:46	J.Haley	8260B	7347
Benzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Bromobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Bromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Bromoform	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Bromomethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
2-Butanone	ND	mg/l	0.0500	1	7/ 6/02	16:46	J.Haley	8260B	7347
n-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
sec-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
t-Butylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Carbon disulfide	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Carbon tetrachloride	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Chlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Chloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Chloroform	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Chloromethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
2-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
4-Chlorotoluene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Dibromochloromethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2-Dibromoethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Dibromomethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A108972
Sample ID: TB
Project: #02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Dichlorodifluoromethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,1-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2-Dichloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,1-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,3-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
2,2-Dichloropropane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,1-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Ethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Hexachlorobutadiene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
2-Hexanone	ND	mg/l	0.0100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Isopropylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
4-Isopropyltoluene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Methylene chloride	ND	mg/l	0.00500	1	7/ 6/02	16:46	J.Haley	8260B	7347
Naphthalene	ND	mg/l	0.00500	1	7/ 6/02	16:46	J.Haley	8260B	7347
n-Propylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Styrene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Tetrachloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Toluene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Trichloroethene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,2,4-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Vinyl chloride	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A108972
Sample ID: TB
Project: #02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Bromodichloromethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347
Trichlorofluoromethane	ND	mg/l	0.00100	1	7/ 6/02	16:46	J.Haley	8260B	7347

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	56. - 155.
VOA Surr Toluene-d8	94.	79. - 130.
VOA Surr, 4-BFB	99.	62. - 155.
VOA Surr, DBFM	97.	74. - 127.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

ıd of Sample Report.

PROJECT QUALITY CONTROL DATA
Project Number: #02027042
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sampl
VOA PARAMETERS								
Benzene	mg/l	< 0.00050	0.0468	0.0500	94	78. - 132.	7347	blank
Benzene	mg/l	< 0.00050	0.0457	0.0500	91	78. - 132.	7353	blank
Chlorobenzene	mg/l	< 0.00020	0.0478	0.0500	96	79. - 124.	7347	blank
Chlorobenzene	mg/l	< 0.00020	0.0483	0.0500	97	79. - 124.	7353	blank
1,1-Dichloroethene	mg/l	< 0.00060	0.0464	0.0500	93	68. - 141.	7347	blank
1,1-Dichloroethene	mg/l	< 0.00060	0.0446	0.0500	89	68. - 141.	7353	blank
Toluene	mg/l	< 0.00060	0.0479	0.0500	96	77. - 134.	7347	blank
Toluene	mg/l	< 0.00060	0.0464	0.0500	93	77. - 134.	7353	blank
Trichloroethene	mg/l	< 0.00040	0.0486	0.0500	97	73. - 137.	7347	blank
Trichloroethene	mg/l	< 0.00040	0.0448	0.0500	90	73. - 137.	7353	blank
Tetrachloroethene	mg/l	< 0.00040	0.0479	0.0500	96	72. - 136.	7347	blank
Tetrachloroethene	mg/l	< 0.00040	0.0465	0.0500	93	72. - 136.	7353	blank
VOA Surr 1,2-DCA-d4	% Rec				94	56. - 155.	7347	
VOA Surr 1,2-DCA-d4	% Rec				93	56. - 155.	7353	
VOA Surr Toluene-d8	% Rec				100	79. - 130.	7347	
VOA Surr Toluene-d8	% Rec				100	79. - 130.	7353	
VOA Surr, 4-BFB	% Rec				98	62. - 155.	7347	
VOA Surr, 4-BFB	% Rec				96	62. - 155.	7353	
VOA Surr, DBFM	% Rec				96	74. - 127.	7347	
VOA Surr, DBFM	% Rec				96	74. - 127.	7353	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0468	0.0439	6.39	15.	7347
Benzene	mg/l	0.0457	0.0460	0.65	15.	7353

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: #02027042
Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Chlorobenzene	mg/l	0.0478	0.0488	2.07	16.	7347
Chlorobenzene	mg/l	0.0483	0.0482	0.21	16.	7353
1,1-Dichloroethene	mg/l	0.0464	0.0446	3.96	19.	7347
1,1-Dichloroethene	mg/l	0.0446	0.0452	1.34	19.	7353
Toluene	mg/l	0.0479	0.0451	6.02	16.	7347
Toluene	mg/l	0.0464	0.0468	0.86	16.	7353
Trichloroethene	mg/l	0.0486	0.0461	5.28	20.	7347
Trichloroethene	mg/l	0.0448	0.0456	1.77	20.	7353
Tetrachloroethene	mg/l	0.0479	0.0494	3.08	23.	7347
Tetrachloroethene	mg/l	0.0465	0.0472	1.49	23.	7353
VOA Surr 1,2-DCA-d4	% Rec		88.			7347
VOA Surr 1,2-DCA-d4	% Rec		93.			7353
VOA Surr Toluene-d8	% Rec		92.			7347
VOA Surr Toluene-d8	% Rec		99.			7353
VOA Surr, 4-BFB	% Rec		97.			7347
VOA Surr, 4-BFB	% Rec		96.			7353
VOA Surr, DBFM	% Rec		89.			7347
VOA Surr, DBFM	% Rec		95.			7353

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Acetone	mg/l	0.250	0.241	96	60 - 154	7347
Acetone	mg/l	0.250	0.207	83	60 - 154	7353
Benzene	mg/l	0.0500	0.0504	101	78 - 127	7347
Benzene	mg/l	0.0500	0.0460	92	78 - 127	7353
Bromobenzene	mg/l	0.0500	0.0494	99	80 - 120	7347
Bromobenzene	mg/l	0.0500	0.0486	97	80 - 120	7353
Bromochloromethane	mg/l	0.0500	0.0493	99	66 - 137	7347
Bromochloromethane	mg/l	0.0500	0.0457	91	66 - 137	7353

oject QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #02027042
Page: 3

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Bromoform	mg/l	0.0500	0.0536	107	66 - 129	7347
Bromoform	mg/l	0.0500	0.0520	104	66 - 129	7353
Bromomethane	mg/l	0.0500	0.0541	108	47 - 163	7347
Bromomethane	mg/l	0.0500	0.0498	100	47 - 163	7353
2-Butanone	mg/l	0.250	0.234	94	75 - 140	7347
2-Butanone	mg/l	0.250	0.210	84	75 - 140	7353
n-Butylbenzene	mg/l	0.0500	0.0530	106	61 - 131	7347
n-Butylbenzene	mg/l	0.0500	0.0522	104	61 - 131	7353
sec-Butylbenzene	mg/l	0.0500	0.0544	109	72 - 124	7347
sec-Butylbenzene	mg/l	0.0500	0.0518	104	72 - 124	7353
t-Butylbenzene	mg/l	0.0500	0.0532	106	74 - 123	7347
t-Butylbenzene	mg/l	0.0500	0.0502	100	74 - 123	7353
Carbon disulfide	mg/l	0.0500	0.0539	108	67 - 138	7347
Carbon disulfide	mg/l	0.0500	0.0487	97	67 - 138	7353
Carbon tetrachloride	mg/l	0.0500	0.0518	104	69 - 132	7347
Carbon tetrachloride	mg/l	0.0500	0.0448	90	69 - 132	7353
Chlorobenzene	mg/l	0.0500	0.0504	101	81 - 120	7347
Chlorobenzene	mg/l	0.0500	0.0496	99	81 - 120	7353
Chloroethane	mg/l	0.0500	0.0517	103	65 - 134	7347
Chloroethane	mg/l	0.0500	0.0449	90	65 - 134	7353
Chloroform	mg/l	0.0500	0.0502	100	77 - 125	7347
Chloroform	mg/l	0.0500	0.0457	91	77 - 125	7353
Chloromethane	mg/l	0.0500	0.0467	93	43 - 142	7347
Chloromethane	mg/l	0.0500	0.0409	82	43 - 142	7353
2-Chlorotoluene	mg/l	0.0500	0.0512	102	76 - 126	7347
2-Chlorotoluene	mg/l	0.0500	0.0501	100	76 - 126	7353
4-Chlorotoluene	mg/l	0.0500	0.0520	104	79 - 123	7347
4-Chlorotoluene	mg/l	0.0500	0.0508	102	79 - 123	7353
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0446	89	64 - 132	7347
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0407	81	64 - 132	7353
Dibromochloromethane	mg/l	0.0500	0.0527	105	78 - 124	7347
Dibromochloromethane	mg/l	0.0500	0.0519	104	78 - 124	7353
1,2-Dibromoethane	mg/l	0.0500	0.0493	99	79 - 126	7347

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: #02027042

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2-Dibromoethane	mg/l	0.0500	0.0484	97	79 - 126	7353
Dibromomethane	mg/l	0.0500	0.0494	99	75 - 131	7347
Dibromomethane	mg/l	0.0500	0.0469	94	75 - 131	7353
1,2-Dichlorobenzene	mg/l	0.0500	0.0493	99	80 - 120	7347
1,2-Dichlorobenzene	mg/l	0.0500	0.0495	99	80 - 120	7353
1,3-Dichlorobenzene	mg/l	0.0500	0.0506	101	79 - 120	7347
1,3-Dichlorobenzene	mg/l	0.0500	0.0495	99	79 - 120	7353
1,4-Dichlorobenzene	mg/l	0.0500	0.0491	98	78 - 118	7347
1,4-Dichlorobenzene	mg/l	0.0500	0.0493	99	78 - 118	7353
Dichlorodifluoromethane	mg/l	0.0500	0.0558	112	45 - 149	7347
Dichlorodifluoromethane	mg/l	0.0500	0.0472	94	45 - 149	7353
1,1-Dichloroethane	mg/l	0.0500	0.0508	102	73 - 128	7347
1,1-Dichloroethane	mg/l	0.0500	0.0454	91	73 - 128	7353
1,2-Dichloroethane	mg/l	0.0500	0.0486	97	71 - 135	7347
1,2-Dichloroethane	mg/l	0.0500	0.0453	91	71 - 135	7353
1,1-Dichloroethene	mg/l	0.0500	0.0523	105	72 - 128	7347
1,1-Dichloroethene	mg/l	0.0500	0.0460	92	72 - 128	7353
cis-1,2-Dichloroethene	mg/l	0.0500	0.0510	102	76 - 127	7347
cis-1,2-Dichloroethene	mg/l	0.0500	0.0463	93	76 - 127	7353
trans-1,2-Dichloroethene	mg/l	0.0500	0.0509	102	71 - 131	7347
trans-1,2-Dichloroethene	mg/l	0.0500	0.0456	91	71 - 131	7353
1,2-Dichloropropane	mg/l	0.0500	0.0495	99	75 - 127	7347
1,2-Dichloropropane	mg/l	0.0500	0.0455	91	75 - 127	7353
1,3-Dichloropropane	mg/l	0.0500	0.0504	101	81 - 128	7347
1,3-Dichloropropane	mg/l	0.0500	0.0473	95	81 - 128	7353
2,2-Dichloropropane	mg/l	0.0500	0.0500	100	45 - 145	7347
2,2-Dichloropropane	mg/l	0.0500	0.0446	89	45 - 145	7353
1,1-Dichloropropene	mg/l	0.0500	0.0508	102	76 - 127	7347
1,1-Dichloropropene	mg/l	0.0500	0.0445	89	76 - 127	7353
cis-1,3-Dichloropropene	mg/l	0.0500	0.0486	97	72 - 131	7347
cis-1,3-Dichloropropene	mg/l	0.0500	0.0447	89	72 - 131	7353
trans-1,3-Dichloropropene	mg/l	0.0500	0.0491	98	69 - 131	7347
trans-1,3-Dichloropropene	mg/l	0.0500	0.0450	90	69 - 131	7353

.oject QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #02027042
Page: 5

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Ethylbenzene	mg/l	0.0500	0.0535	107	78 - 125	7347
Ethylbenzene	mg/l	0.0500	0.0513	103	78 - 125	7353
Hexachlorobutadiene	mg/l	0.0500	0.0475	95	59 - 126	7347
Hexachlorobutadiene	mg/l	0.0500	0.0449	90	59 - 126	7353
2-Hexanone	mg/l	0.250	0.256	102	71 - 142	7347
2-Hexanone	mg/l	0.250	0.227	91	71 - 142	7353
Isopropylbenzene	mg/l	0.0500	0.0532	106	78 - 123	7347
Isopropylbenzene	mg/l	0.0500	0.0501	100	78 - 123	7353
4-Isopropyltoluene	mg/l	0.0500	0.0532	106	73 - 125	7347
4-Isopropyltoluene	mg/l	0.0500	0.0513	103	73 - 125	7353
4-Methyl-2-pentanone	mg/l	0.250	0.250	100	71 - 141	7347
4-Methyl-2-pentanone	mg/l	0.250	0.228	91	71 - 141	7353
Methylene chloride	mg/l	0.0500	0.0529	106	70 - 140	7347
Methylene chloride	mg/l	0.0500	0.0485	97	70 - 140	7353
Naphthalene	mg/l	0.0500	0.0493	99	52 - 140	7347
Naphthalene	mg/l	0.0500	0.0465	93	52 - 140	7353
n-Propylbenzene	mg/l	0.0500	0.0544	109	75 - 125	7347
n-Propylbenzene	mg/l	0.0500	0.0522	104	75 - 125	7353
Styrene	mg/l	0.0500	0.0553	111	82 - 122	7347
Styrene	mg/l	0.0500	0.0542	108	82 - 122	7353
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0524	105	85 - 123	7347
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0511	102	85 - 123	7353
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0504	101	74 - 133	7347
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0530	106	74 - 133	7353
Tetrachloroethene	mg/l	0.0500	0.0523	105	76 - 123	7347
Tetrachloroethene	mg/l	0.0500	0.0496	99	76 - 123	7353
Toluene	mg/l	0.0500	0.0520	104	78 - 127	7347
Toluene	mg/l	0.0500	0.0471	94	78 - 127	7353
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0498	100	59 - 132	7347
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0488	98	59 - 132	7353
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0490	98	60 - 133	7347
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0478	96	60 - 133	7353
1,1,1-Trichloroethane	mg/l	0.0500	0.0508	102	74 - 128	7347

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: #02027042
Page: 6

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,1,1-Trichloroethane	mg/l	0.0500	0.0446	89	74 - 128	7353
1,1,2-Trichloroethane	mg/l	0.0500	0.0507	101	85 - 125	7347
1,1,2-Trichloroethane	mg/l	0.0500	0.0476	95	85 - 125	7353
Trichloroethene	mg/l	0.0500	0.0536	107	78 - 125	7347
Trichloroethene	mg/l	0.0500	0.0454	91	78 - 125	7353
1,2,3-Trichloropropane	mg/l	0.0500	0.0523	105	75 - 130	7347
1,2,3-Trichloropropane	mg/l	0.0500	0.0511	102	75 - 130	7353
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0533	107	77 - 122	7347
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0516	103	77 - 122	7353
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0531	106	75 - 125	7347
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0512	102	75 - 125	7353
Vinyl chloride	mg/l	0.0500	0.0536	107	61 - 140	7347
Vinyl chloride	mg/l	0.0500	0.0449	90	61 - 140	7353
Xylenes (Total)	mg/l	0.150	0.163	109	77 - 126	7347
Xylenes (Total)	mg/l	0.150	0.157	105	77 - 126	7353
Bromodichloromethane	mg/l	0.0500	0.0504	101	79 - 126	7347
Bromodichloromethane	mg/l	0.0500	0.0468	94	79 - 126	7353
Trichlorofluoromethane	mg/l	0.0500	0.0541	108	60 - 140	7347
Trichlorofluoromethane	mg/l	0.0500	0.0490	98	60 - 140	7353
VOA Surr 1,2-DCA-d4	% Rec			96	56 - 155	7347
VOA Surr 1,2-DCA-d4	% Rec			87	56 - 155	7353
VOA Surr Toluene-d8	% Rec			101	79 - 130	7347
VOA Surr Toluene-d8	% Rec			96	79 - 130	7353
VOA Surr, 4-BFB	% Rec			99	62 - 155	7347
VOA Surr, 4-BFB	% Rec			95	62 - 155	7353
VOA Surr, DBFM	% Rec			98	74 - 127	7347
VOA Surr, DBFM	% Rec			90	74 - 127	7353

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #02027042
Page: 7

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Acetone	< 0.00470	mg/l	7347	7/ 6/02	15:23
Acetone	< 0.00470	mg/l	7353	7/ 7/02	17:38
Benzene	< 0.00050	mg/l	7347	7/ 6/02	15:23
Benzene	< 0.00050	mg/l	7353	7/ 7/02	17:38
Bromobenzene	< 0.00030	mg/l	7347	7/ 6/02	15:23
Bromobenzene	< 0.00030	mg/l	7353	7/ 7/02	17:38
Bromochloromethane	< 0.00030	mg/l	7347	7/ 6/02	15:23
Bromochloromethane	< 0.00030	mg/l	7353	7/ 7/02	17:38
Bromoform	< 0.00060	mg/l	7347	7/ 6/02	15:23
Bromoform	< 0.00060	mg/l	7353	7/ 7/02	17:38
Bromomethane	< 0.00060	mg/l	7347	7/ 6/02	15:23
Bromomethane	< 0.00060	mg/l	7353	7/ 7/02	17:38
2-Butanone	< 0.00310	mg/l	7347	7/ 6/02	15:23
2-Butanone	< 0.00310	mg/l	7353	7/ 7/02	17:38
n-Butylbenzene	< 0.00010	mg/l	7347	7/ 6/02	15:23
n-Butylbenzene	< 0.00010	mg/l	7353	7/ 7/02	17:38
sec-Butylbenzene	< 0.00030	mg/l	7347	7/ 6/02	15:23
sec-Butylbenzene	< 0.00030	mg/l	7353	7/ 7/02	17:38
t-Butylbenzene	< 0.00030	mg/l	7347	7/ 6/02	15:23
t-Butylbenzene	< 0.00030	mg/l	7353	7/ 7/02	17:38
Carbon disulfide	< 0.00020	mg/l	7347	7/ 6/02	15:23
Carbon disulfide	< 0.00020	mg/l	7353	7/ 7/02	17:38
Carbon tetrachloride	< 0.00040	mg/l	7347	7/ 6/02	15:23
Carbon tetrachloride	< 0.00040	mg/l	7353	7/ 7/02	17:38
Chlorobenzene	< 0.00020	mg/l	7347	7/ 6/02	15:23
Chlorobenzene	< 0.00020	mg/l	7353	7/ 7/02	17:38

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: #02027042

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Chloroethane	< 0.00100	mg/l	7347	7/ 6/02	15:23
Chloroethane	< 0.00100	mg/l	7353	7/ 7/02	17:38
Chloroform	< 0.00080	mg/l	7347	7/ 6/02	15:23
Chloroform	< 0.00080	mg/l	7353	7/ 7/02	17:38
Chloromethane	< 0.00070	mg/l	7347	7/ 6/02	15:23
Chloromethane	< 0.00070	mg/l	7353	7/ 7/02	17:38
2-Chlorotoluene	< 0.00040	mg/l	7347	7/ 6/02	15:23
2-Chlorotoluene	< 0.00040	mg/l	7353	7/ 7/02	17:38
4-Chlorotoluene	< 0.00050	mg/l	7347	7/ 6/02	15:23
4-Chlorotoluene	< 0.00050	mg/l	7353	7/ 7/02	17:38
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	7347	7/ 6/02	15:23
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	7353	7/ 7/02	17:38
Dibromochloromethane	< 0.00050	mg/l	7347	7/ 6/02	15:23
Dibromochloromethane	< 0.00050	mg/l	7353	7/ 7/02	17:38
1,2-Dibromoethane	< 0.00040	mg/l	7347	7/ 6/02	15:23
1,2-Dibromoethane	< 0.00040	mg/l	7353	7/ 7/02	17:38
Dibromomethane	< 0.00090	mg/l	7347	7/ 6/02	15:23
Dibromomethane	< 0.00090	mg/l	7353	7/ 7/02	17:38
1,2-Dichlorobenzene	< 0.00020	mg/l	7347	7/ 6/02	15:23
1,2-Dichlorobenzene	< 0.00020	mg/l	7353	7/ 7/02	17:38
1,3-Dichlorobenzene	< 0.00030	mg/l	7347	7/ 6/02	15:23
1,3-Dichlorobenzene	< 0.00030	mg/l	7353	7/ 7/02	17:38
1,4-Dichlorobenzene	< 0.00040	mg/l	7347	7/ 6/02	15:23
1,4-Dichlorobenzene	< 0.00040	mg/l	7353	7/ 7/02	17:38
Dichlorodifluoromethane	< 0.00050	mg/l	7347	7/ 6/02	15:23
Dichlorodifluoromethane	< 0.00050	mg/l	7353	7/ 7/02	17:38
1,1-Dichloroethane	< 0.00020	mg/l	7347	7/ 6/02	15:23
1,1-Dichloroethane	< 0.00020	mg/l	7353	7/ 7/02	17:38
1,2-Dichloroethane	< 0.00060	mg/l	7347	7/ 6/02	15:23
1,2-Dichloroethane	< 0.00060	mg/l	7353	7/ 7/02	17:38
1,1-Dichloroethene	< 0.00060	mg/l	7347	7/ 6/02	15:23
1,1-Dichloroethene	< 0.00060	mg/l	7353	7/ 7/02	17:38
cis-1,2-Dichloroethene	< 0.00060	mg/l	7347	7/ 6/02	15:23

:oject QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #02027042
Page: 9

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
cis-1,2-Dichloroethene	< 0.00060	mg/l	7353	7/ 7/02	17:38
trans-1,2-Dichloroethene	< 0.00050	mg/l	7347	7/ 6/02	15:23
trans-1,2-Dichloroethene	< 0.00050	mg/l	7353	7/ 7/02	17:38
1,2-Dichloropropane	< 0.00040	mg/l	7347	7/ 6/02	15:23
1,2-Dichloropropane	< 0.00040	mg/l	7353	7/ 7/02	17:38
1,3-Dichloropropane	< 0.00040	mg/l	7347	7/ 6/02	15:23
1,3-Dichloropropane	< 0.00040	mg/l	7353	7/ 7/02	17:38
2,2-Dichloropropane	< 0.00040	mg/l	7347	7/ 6/02	15:23
2,2-Dichloropropane	< 0.00040	mg/l	7353	7/ 7/02	17:38
1,1-Dichloropropene	< 0.00050	mg/l	7347	7/ 6/02	15:23
1,1-Dichloropropene	< 0.00050	mg/l	7353	7/ 7/02	17:38
cis-1,3-Dichloropropene	< 0.00030	mg/l	7347	7/ 6/02	15:23
cis-1,3-Dichloropropene	< 0.00030	mg/l	7353	7/ 7/02	17:38
trans-1,3-Dichloropropene	< 0.00050	mg/l	7347	7/ 6/02	15:23
trans-1,3-Dichloropropene	< 0.00050	mg/l	7353	7/ 7/02	17:38
Ethylbenzene	< 0.00030	mg/l	7347	7/ 6/02	15:23
Ethylbenzene	< 0.00030	mg/l	7353	7/ 7/02	17:38
Hexachlorobutadiene	0.00100	mg/l	7347	7/ 6/02	15:23
Hexachlorobutadiene	0.00110	mg/l	7353	7/ 7/02	17:38
2-Hexanone	< 0.00420	mg/l	7347	7/ 6/02	15:23
2-Hexanone	< 0.00420	mg/l	7353	7/ 7/02	17:38
Isopropylbenzene	< 0.00040	mg/l	7347	7/ 6/02	15:23
Isopropylbenzene	< 0.00040	mg/l	7353	7/ 7/02	17:38
4-Isopropyltoluene	< 0.00060	mg/l	7347	7/ 6/02	15:23
4-Isopropyltoluene	< 0.00060	mg/l	7353	7/ 7/02	17:38
4-Methyl-2-pentanone	< 0.00490	mg/l	7347	7/ 6/02	15:23
4-Methyl-2-pentanone	< 0.00490	mg/l	7353	7/ 7/02	17:38
Methylene chloride	< 0.00360	mg/l	7347	7/ 6/02	15:23
Methylene chloride	< 0.00360	mg/l	7353	7/ 7/02	17:38
Naphthalene	< 0.00120	mg/l	7347	7/ 6/02	15:23
Naphthalene	< 0.00120	mg/l	7353	7/ 7/02	17:38
n-Propylbenzene	< 0.00030	mg/l	7347	7/ 6/02	15:23
n-Propylbenzene	< 0.00030	mg/l	7353	7/ 7/02	17:38

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: #02027042

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Styrene	< 0.00040	mg/l	7347	7/ 6/02	15:23
Styrene	< 0.00040	mg/l	7353	7/ 7/02	17:38
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	7347	7/ 6/02	15:23
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	7353	7/ 7/02	17:38
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	7347	7/ 6/02	15:23
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	7353	7/ 7/02	17:38
Tetrachloroethene	< 0.00040	mg/l	7347	7/ 6/02	15:23
Tetrachloroethene	< 0.00040	mg/l	7353	7/ 7/02	17:38
Toluene	< 0.00060	mg/l	7347	7/ 6/02	15:23
Toluene	< 0.00060	mg/l	7353	7/ 7/02	17:38
1,2,3-Trichlorobenzene	< 0.00100	mg/l	7347	7/ 6/02	15:23
1,2,3-Trichlorobenzene	< 0.00100	mg/l	7353	7/ 7/02	17:38
1,2,4-Trichlorobenzene	< 0.00060	mg/l	7347	7/ 6/02	15:23
1,2,4-Trichlorobenzene	< 0.00060	mg/l	7353	7/ 7/02	17:38
1,1,1-Trichloroethane	< 0.00070	mg/l	7347	7/ 6/02	15:23
1,1,1-Trichloroethane	< 0.00070	mg/l	7353	7/ 7/02	17:38
1,1,2-Trichloroethane	< 0.00040	mg/l	7347	7/ 6/02	15:23
1,1,2-Trichloroethane	< 0.00040	mg/l	7353	7/ 7/02	17:38
Trichloroethene	< 0.00040	mg/l	7347	7/ 6/02	15:23
Trichloroethene	< 0.00040	mg/l	7353	7/ 7/02	17:38
1,2,3-Trichloropropane	< 0.00060	mg/l	7347	7/ 6/02	15:23
1,2,3-Trichloropropane	< 0.00060	mg/l	7353	7/ 7/02	17:38
1,2,4-Trimethylbenzene	< 0.00030	mg/l	7347	7/ 6/02	15:23
1,2,4-Trimethylbenzene	< 0.00030	mg/l	7353	7/ 7/02	17:38
1,3,5-Trimethylbenzene	< 0.00100	mg/l	7347	7/ 6/02	15:23
1,3,5-Trimethylbenzene	< 0.00100	mg/l	7353	7/ 7/02	17:38
Vinyl chloride	< 0.00050	mg/l	7347	7/ 6/02	15:23
Vinyl chloride	< 0.00050	mg/l	7353	7/ 7/02	17:38
Xylenes (Total)	< 0.00200	mg/l	7347	7/ 6/02	15:23
Xylenes (Total)	< 0.00200	mg/l	7353	7/ 7/02	17:38
Bromodichloromethane	< 0.00030	mg/l	7347	7/ 6/02	15:23
Bromodichloromethane	< 0.00030	mg/l	7353	7/ 7/02	17:38
Trichlorofluoromethane	< 0.00040	mg/l	7347	7/ 6/02	15:23

roject QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #02027042
Page: 11

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Trichlorofluoromethane	< 0.00040	mg/l	7353	7/ 7/02	17:38
VOA Surr 1,2-DCA-d4	95.	% Rec	7347	7/ 6/02	15:23
VOA Surr 1,2-DCA-d4	93.	% Rec	7353	7/ 7/02	17:38
VOA Surr Toluene-d8	94.	% Rec	7347	7/ 6/02	15:23
VOA Surr Toluene-d8	91.	% Rec	7353	7/ 7/02	17:38
VOA Surr, 4-BFB	100.	% Rec	7347	7/ 6/02	15:23
VOA Surr, 4-BFB	96.	% Rec	7353	7/ 7/02	17:38
VOA Surr, DBFM	96.	% Rec	7347	7/ 6/02	15:23
VOA Surr, DBFM	94.	% Rec	7353	7/ 7/02	17:38

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 291447

303944

Terracon

13910 West 96th Terrace
Lenexa, Kansas 66215
Phone: (913) 492-7777
Fax: (913) 492-7443

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST

Client No.	9451
Site Location:	Hardesty Federal Complex
Site Address:	601 Hardesty Avenue
Project Manager:	Tracie A. Ragland

Is this work being conducted for regulatory purposes? YES NO

State: Missouri

Sampler Signature: Tracie A. Ragland TAR

Project Name	Project Number
Hardesty Federal Complex	O2027042

Fax Results	Date Needed	Results Attention to
yes	10/9/02	Tracie A. Ragland

SAMPLE I.D.	DATE	TIME	MATRIX	COOL/ICE	HCl	H_2SO_4	HNO_3	AW/AP	Other:	NUMBER OF CONTAINERS	ANALYSIS	VOCs 8260B	REMARKS
GW-10	10/4/2002	9:35	GW	X	X					3		X	164149
GW-11	10/4/2002	11:07	GW	X	X					3		X	50
GW-12	10/4/2002	11:50	GW	X	X					3		X	51
GW-13	10/4/2002	11:35	GW	X	X					3		X	52
GW-14	10/4/2002	12:44	GW	X	X					3		X	53
GW-15	10/4/2002	12:33	GW	X	X					3		X	54
GW-16	10/4/2002	10:55	GW	X	X					3		X	55
GW-17	10/4/2002	13:39	GW	X	X					3		X	56
GW-18	10/4/2002	9:40	GW	X	X					3		X	57
GW-19	10/4/2002	12:15	GW	X	X					3		X	58
GW-20	10/4/2002	11:20	GW	X	X					3		X	59
GW-21	10/4/2002	13:00	GW	X	X					3		X	60
GW-22	10/4/2002	13:10	GW	X	X					3		X	61
GW-23	10/4/2002	10:10	GW	X	X					3		X	62
GW-24	10/4/2002	13:50	GW	X	X					3		X	63
GW-25	10/4/2002	10:35	GW	X	X					3		X	64
GW-26	10/4/2002	9:47	GW	X	X					3		X	65
GW-23D	10/4/2002	10:10	GW	X	X					3		X	66
FB at 19	10/4/2002	12:15	DDW	X	X					3		X	67
TB	10/4/2002		DDW	X	X					1		X	164168

Special Requests:

SHIPPING VIA: FedEx Overnight

Date Needed: 10/9/02

LABORATORY PRIORITY

Standard ____ 72 Hour X
24- Hour ____ Other ____

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Tracie A. Ragland	C. Wilt		
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
Tracie A. Ragland	C Wilmoth		
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
Terracon	TA Nash		
FIRM	FIRM	FIRM	FIRM
10/4/2002 20:00	10.5.02 0900		
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: Tarraleon BC# 303944

Cooler Received On And Opened On: 10.5.02 By: CHRIS WILMOTH

C. Wilmoth
(Signature)

1. Temperature of Cooler when opened 2 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES (NO) N/A
   a. If yes, how many, what kind and where:_____
   b. Were the seals intact, signed, and dated correctly?.....YES NO N/A
3. Were custody seals on containers and intact?.....(NO) YES N/A
4. Were custody papers inside cooler?.....(YES) NO N/A
5. Were custody papers properly filled out (ink,signed,etc)?.....(YES) NO N/A
6. Did you sign the custody papers in the appropriate place?.....(YES) NO N/A
7. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Other None
8. Was sufficient ice used (if appropriate)?.....(YES) NO N/A
9. Did all bottles arrive in good condition(unbroken)?.....(YES) NO N/A
10. Were all bottle labels complete (#,date,signed,pres,etc)?.....(YES) NO N/A
11. Did all bottle labels and tags agree with custody papers?.....(YES) NO N/A
12. Were correct bottles used for the analysis requested?.....(YES) NO N/A
13. a. Were VOA vials received?.....(YES) NO N/A
    b. Was there any observable head space present in any VOA vial?.....(NO) YES N/A
14. Was sufficient amount of sample sent in each bottle?.....(YES) NO N/A
15. Were correct preservatives used?.....(YES) NO N/A
    If not, record standard ID of preservative used here_____
16. Was residual chlorine present?.....NO YES (N/A)
17. Corrective action taken, if necessary:

    See attached for resolution

ALERT FOR SAMPLE LOGIN

Relinquished by:	Date/Time:	Received by:	Date/Time
Andi Jones	10-4-02 1642		
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

ALERT INFORMATION:

Client Name: Terracon

Client Number: 9451

Project Name:

Project Number:

Date to receive cooler: 10-5-02

How many samples are there: 20

Matrix of samples: Water

What tests will be on the COC? VOCs

Will a copy of the COC be faxed? no

PURPOSE OF THIS ALERT:

Heads up for incoming project:

LOGIN: REMEMBER TO ALWAYS PRINT CLIENT NOTES, WHEN APPLICABLE.

TestAmerica
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10/14/02

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 02027042 HARDESTY FEDERAL COMPLEX. The Laboratory Project number is 303944.
An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
GW-10	02-A164149	10/ 4/02
GW-11	02-A164150	10/ 4/02
GW-12	02-A164151	10/ 4/02
GW-13	02-A164152	10/ 4/02
GW-14	02-A164153	10/ 4/02
GW-15	02-A164154	10/ 4/02
GW-16	02-A164155	10/ 4/02
GW-17	02-A164156	10/ 4/02
GW-18	02-A164157	10/ 4/02
GW-19	02-A164158	10/ 4/02
GW-20	02-A164159	10/ 4/02
GW-21	02-A164160	10/ 4/02
GW-22	02-A164161	10/ 4/02
GW-23	02-A164162	10/ 4/02
GW-24	02-A164163	10/ 4/02
GW-25	02-A164164	10/ 4/02
GW-26	02-A164165	10/ 4/02
GW-23D	02-A164166	10/ 4/02
FB AT 19	02-A164167	10/ 4/02
TB	02-A164168	10/ 4/02

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 10/14/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: E10229

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164149
Sample ID: GW-10
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 9:35
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	3:14	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	3:14	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	3:14	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Chloroform	0.00340	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	3:14	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164149
Sample ID: GW-10
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	0.0334	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	0.00810	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	3:14	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	3:14	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	3:14	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	3:14	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	3:14	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	3.11	mg/l	0.200	100	10/10/02	19:53	L. Lowery	8260B	4199
Tetrachloroethene	0.0434	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	3:14	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,1,2-Trichloroethane	0.0411	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Trichloroethene	3.18	mg/l	0.200	100	10/10/02	19:53	L. Lowery	8260B	4199
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	3:14	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A164149
Sample ID: GW-10
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	3:14	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	3:14	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	73. - 133.
VOA Surr Toluene-d8	89.	80. - 121.
VOA Surr, 4-BFB	99.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164150
Sample ID: GW-11
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 11:07
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	3:47	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	3:47	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	3:47	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	3:47	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A164150
Sample ID: GW-11
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	3:47	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	3:47	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	3:47	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	3:47	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	3:47	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	0.0374	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Tetrachloroethene	0.00550	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	3:47	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,1,2-Trichloroethane	0.00270	mg/l	0.00200	1	10/10/02	20:26	L. Lowery	8260B	4199
Trichloroethene	0.307	mg/l	0.0200	10	10/10/02	20:59	L. Lowery	8260B	4242
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	3:47	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164150
Sample ID: GW-11
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	3:47	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	3:47	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	73. - 133.
VOA Surr Toluene-d8	104.	80. - 121.
VOA Surr, 4-BFB	103.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A164151
Sample ID: GW-12
Sample Type: Ground water
Site ID:

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Date Collected: 10/ 4/02
Time Collected: 11:50
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	4:20	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	4:20	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	4:20	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.0100	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164151
Sample ID: GW-12
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	0.0204	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	4:20	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	4:20	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	4:20	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	4:20	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	4:20	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Trichloroethene	0.0901	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	4:20	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164151
Sample ID: GW-12
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	4:20	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	4:20	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	117.	73. - 133.
VOA Surr Toluene-d8	99.	80. - 121.
VOA Surr, 4-BFB	109.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164152
Sample ID: GW-13
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 11:35
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	4:54	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	4:54	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	4:54	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	4:54	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164152
Sample ID: GW-13
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	4:54	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	4:54	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	4:54	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	4:54	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	4:54	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Trichloroethene	0.197	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	4:54	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164152
Sample ID: GW-13
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	4:54	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	4:54	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	73. - 133.
VOA Surr Toluene-d8	109.	80. - 121.
VOA Surr, 4-BFB	127.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A164153
Sample ID: GW-14
Sample Type: Ground water
Site ID:

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Date Collected: 10/ 4/02
Time Collected: 12:44
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.0227	mg/l	0.0100	1	10/10/02	5:27	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	5:27	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	5:27	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	5:27	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164153
Sample ID: GW-14
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	5:27	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	5:27	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	5:27	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	5:27	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	5:27	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	5:27	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Trichloroethene	ND	mg/l	0.00200	1	10/10/02	19:20	L. Lowery	8260B	4199
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	5:27	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164153
Sample ID: GW-14
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	5:27	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	5:27	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	120.	73. - 133.
VOA Surr Toluene-d8	94.	80. - 121.
VOA Surr, 4-BFB	110.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164154
Sample ID: GW-15
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 12:33
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.0298	mg/l	0.0100	1	10/10/02	6:00	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	6:00	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	6:00	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	6:00	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164154
Sample ID: GW-15
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	6:00	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	6:00	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	6:00	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	6:00	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	6:00	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Trichloroethene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	6:00	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164154
Sample ID: GW-15
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	6:00	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	6:00	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	117.	73. - 133.
VOA Surr Toluene-d8	100.	80. - 121.
VOA Surr, 4-BFB	110.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164155
Sample ID: GW-16
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 10:55
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	6:34	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	6:34	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	6:34	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	6:34	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164155
Sample ID: GW-16
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	0.0973	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	0.00290	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	6:34	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	6:34	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	6:34	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	6:34	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	6:34	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Trichloroethene	0.00340	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	6:34	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164155
Sample ID: GW-16
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	6:34	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	6:34	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	73. - 133.
VOA Surr Toluene-d8	97.	80. - 121.
VOA Surr, 4-BFB	105.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164156
Sample ID: GW-17
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 13:39
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	7:07	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	7:07	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	7:07	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	7:07	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164156
Sample ID: GW-17
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	0.0176	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	0.0435	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	7:07	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	7:07	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	7:07	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	7:07	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	7:07	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Trichloroethene	0.169	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	7:07	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164156
Sample ID: GW-17
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	7:07	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	7:07	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	117.	73. - 133.
VOA Surr Toluene-d8	106.	80. - 121.
VOA Surr, 4-BFB	104.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164157
Sample ID: GW-18
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 9:40
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	7:40	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	7:40	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	7:40	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	7:40	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A164157
Sample ID: GW-18
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	7:40	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	7:40	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	7:40	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	7:40	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	7:40	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	0.0810	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Tetrachloroethene	0.00550	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	7:40	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Trichloroethene	0.298	mg/l	0.0200	10	10/10/02	21:33	L. Lowery	8260B	4199
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	7:40	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A164157
Sample ID: GW-18
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	7:40	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	7:40	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	73. - 133.
VOA Surr Toluene-d8	106.	80. - 121.
VOA Surr, 4-BFB	125.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164158
Sample ID: GW-19
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 12:15
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.0127	mg/l	0.0100	1	10/10/02	8:14	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	8:14	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	8:14	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	8:14	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150

Sample report continued . . .

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INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164158
Sample ID: GW-19
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	8:14	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	8:14	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	8:14	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	8:14	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	8:14	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Trichloroethene	0.0442	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	8:14	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164158
Sample ID: GW-19
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	8:14	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	8:14	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	136. #	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164159
Sample ID: GW-20
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 11:20
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	8:47	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	8:47	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	8:47	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	8:47	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164159
Sample ID: GW-20
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	8:47	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	8:47	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	8:47	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	8:47	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	8:47	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Trichloroethene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	8:47	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164159
Sample ID: GW-20
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	8:47	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	8:47	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	73. - 133.
VOA Surr Toluene-d8	103.	80. - 121.
VOA Surr, 4-BFB	107.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A164160
Sample ID: GW-21
Sample Type: Ground water
Site ID:

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Date Collected: 10/ 4/02
Time Collected: 13:00
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	9:20	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	9:20	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	9:20	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	9:20	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164160
Sample ID: GW-21
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	9:20	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	9:20	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	9:20	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	9:20	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	9:20	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Trichloroethene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	9:20	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164160
Sample ID: GW-21
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	9:20	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	9:20	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	73. - 133.
VOA Surr Toluene-d8	110.	80. - 121.
VOA Surr, 4-BFB	136. #	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164161
Sample ID: GW-22
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 13:10
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	9:53	L. Lowery	8260B	3150
Benzene	ND	mg/l	0.0020	1	10/10/02	9:53	L. Lowery	8260B	3150
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Bromoform	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Bromomethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
2-Butanone	ND	mg/l	0.0100	1	10/10/02	9:53	L. Lowery	8260B	3150
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Chloroethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Chloroform	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Chloromethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	9:53	L. Lowery	8260B	3150
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164161
Sample ID: GW-22
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	9:53	L. Lowery	8260B	3150
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	9:53	L. Lowery	8260B	3150
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	9:53	L. Lowery	8260B	3150
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	9:53	L. Lowery	8260B	3150
Naphthalene	ND	mg/l	0.00500	1	10/10/02	9:53	L. Lowery	8260B	3150
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Styrene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Toluene	ND	mg/l	0.0020	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Trichloroethene	0.0128	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	9:53	L. Lowery	8260B	3150
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164161
Sample ID: GW-22
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	9:53	L. Lowery	8260B	3150
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	9:53	L. Lowery	8260B	3150

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	117.	73. - 133.
VOA Surr Toluene-d8	107.	80. - 121.
VOA Surr, 4-BFB	108.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164162
Sample ID: GW-23
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 10:10
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.0144	mg/l	0.0100	1	10/10/02	15:27	L. Lowery	8260B	4199
Benzene	ND	mg/l	0.0020	1	10/10/02	15:27	L. Lowery	8260B	4199
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Bromoform	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Bromomethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
2-Butanone	ND	mg/l	0.0100	1	10/10/02	15:27	L. Lowery	8260B	4199
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Chloroethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Chloroform	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Chloromethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	15:27	L. Lowery	8260B	4199
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164162
Sample ID: GW-23
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
cis-1,2-Dichloroethene	0.00300	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	15:27	L. Lowery	8260B	4199
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	15:27	L. Lowery	8260B	4199
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	15:27	L. Lowery	8260B	4199
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	15:27	L. Lowery	8260B	4199
Naphthalene	ND	mg/l	0.00500	1	10/10/02	15:27	L. Lowery	8260B	4199
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Styrene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,1,2,2-Tetrachloroethane	0.0424	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Tetrachloroethene	0.0121	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Toluene	ND	mg/l	0.0020	1	10/10/02	15:27	L. Lowery	8260B	4199
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,1,2-Trichloroethane	0.00900	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Trichloroethene	1.26	mg/l	0.100	50	10/11/02	19:01	L. Lowery	8260B	4886
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	15:27	L. Lowery	8260B	4199
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A164162
Sample ID: GW-23
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	15:27	L. Lowery	8260B	4199
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	15:27	L. Lowery	8260B	4199

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	73. - 133.
VOA Surr Toluene-d8	109.	80. - 121.
VOA Surr, 4-BFB	118.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164163
Sample ID: GW-24
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 13:50
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.0247	mg/l	0.0100	1	10/10/02	16:00	L. Lowery	8260B	4199
Benzene	ND	mg/l	0.0020	1	10/10/02	16:00	L. Lowery	8260B	4199
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Bromoform	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Bromomethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
2-Butanone	ND	mg/l	0.0100	1	10/10/02	16:00	L. Lowery	8260B	4199
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Carbon disulfide	0.00530	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Chloroethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Chloroform	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Chloromethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	16:00	L. Lowery	8260B	4199
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164163
Sample ID: GW-24
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	16:00	L. Lowery	8260B	4199
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	16:00	L. Lowery	8260B	4199
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	16:00	L. Lowery	8260B	4199
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	16:00	L. Lowery	8260B	4199
Naphthalene	ND	mg/l	0.00500	1	10/10/02	16:00	L. Lowery	8260B	4199
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Styrene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Toluene	ND	mg/l	0.0020	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Trichloroethene	0.0249	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	16:00	L. Lowery	8260B	4199
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164163
Sample ID: GW-24
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	16:00	L. Lowery	8260B	4199
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	16:00	L. Lowery	8260B	4199

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	73. - 133.
VOA Surr Toluene-d8	103.	80. - 121.
VOA Surr, 4-BFB	102.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164164
Sample ID: GW-25
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 10:35
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.0155	mg/l	0.0100	1	10/10/02	16:33	L. Lowery	8260B	4199
Benzene	ND	mg/l	0.0020	1	10/10/02	16:33	L. Lowery	8260B	4199
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Bromoform	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Bromomethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
2-Butanone	ND	mg/l	0.0100	1	10/10/02	16:33	L. Lowery	8260B	4199
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Chloroethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Chloroform	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Chloromethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	16:33	L. Lowery	8260B	4199
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164164
Sample ID: GW-25
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	16:33	L. Lowery	8260B	4199
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	16:33	L. Lowery	8260B	4199
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	16:33	L. Lowery	8260B	4199
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	16:33	L. Lowery	8260B	4199
Naphthalene	ND	mg/l	0.00500	1	10/10/02	16:33	L. Lowery	8260B	4199
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Styrene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,1,2,2-Tetrachloroethane	0.0388	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Tetrachloroethene	0.00520	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Toluene	ND	mg/l	0.0020	1	10/10/02	16:33	L. Lowery	8260B	4199
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,1,2-Trichloroethane	0.00420	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Trichloroethene	0.526	mg/l	0.0200	10	10/12/02	9:52	L. Lowery	8260B	4896
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	16:33	L. Lowery	8260B	4199
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164164
Sample ID: GW-25
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	16:33	L. Lowery	8260B	4199
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	16:33	L. Lowery	8260B	4199

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	73. - 133.
VOA Surr Toluene-d8	108.	80. - 121.
VOA Surr, 4-BFB	108.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Lab Number: 02-A164165
Sample ID: GW-26
Sample Type: Ground water
Site ID:

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Date Collected: 10/ 4/02
Time Collected: 9:47
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	17:06	L. Lowery	8260B	4199
Benzene	ND	mg/l	0.0020	1	10/10/02	17:06	L. Lowery	8260B	4199
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Bromoform	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Bromomethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
2-Butanone	ND	mg/l	0.0100	1	10/10/02	17:06	L. Lowery	8260B	4199
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Chloroethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Chloroform	0.00400	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Chloromethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	17:06	L. Lowery	8260B	4199
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164165
Sample ID: GW-26
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
cis-1,2-Dichloroethene	0.0187	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
trans-1,2-Dichloroethene	0.00330	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	17:06	L. Lowery	8260B	4199
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	17:06	L. Lowery	8260B	4199
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	17:06	L. Lowery	8260B	4199
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	17:06	L. Lowery	8260B	4199
Naphthalene	ND	mg/l	0.00500	1	10/10/02	17:06	L. Lowery	8260B	4199
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Styrene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,1,2,2-Tetrachloroethane	0.715	mg/l	0.100	50	10/11/02	20:07	L. Lowery	8260B	4886
Tetrachloroethene	0.0214	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Toluene	ND	mg/l	0.0020	1	10/10/02	17:06	L. Lowery	8260B	4199
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,1,2-Trichloroethane	0.0445	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Trichloroethene	2.88	mg/l	0.100	50	10/11/02	20:07	L. Lowery	8260B	4886
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	17:06	L. Lowery	8260B	4199
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164165
Sample ID: GW-26
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	17:06	L. Lowery	8260B	4199
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	17:06	L. Lowery	8260B	4199

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	117.	73. - 133.
VOA Surr Toluene-d8	108.	80. - 121.
VOA Surr, 4-BFB	105.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164166
Sample ID: GW-23D
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 10:10
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	17:40	L. Lowery	8260B	4199
Benzene	ND	mg/l	0.0020	1	10/10/02	17:40	L. Lowery	8260B	4199
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Bromoform	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Bromomethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
2-Butanone	ND	mg/l	0.0100	1	10/10/02	17:40	L. Lowery	8260B	4199
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Chloroethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Chloroform	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Chloromethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	17:40	L. Lowery	8260B	4199
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164166
Sample ID: GW-23D
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
cis-1,2-Dichloroethene	0.00320	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	17:40	L. Lowery	8260B	4199
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	17:40	L. Lowery	8260B	4199
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	17:40	L. Lowery	8260B	4199
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	17:40	L. Lowery	8260B	4199
Naphthalene	ND	mg/l	0.00500	1	10/10/02	17:40	L. Lowery	8260B	4199
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Styrene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,1,2,2-Tetrachloroethane	0.0519	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Tetrachloroethene	0.0117	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Toluene	ND	mg/l	0.0020	1	10/10/02	17:40	L. Lowery	8260B	4199
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,1,2-Trichloroethane	0.00830	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Trichloroethene	1.26	mg/l	0.100	50	10/11/02	20:41	L. Lowery	8260B	4886
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	17:40	L. Lowery	8260B	4199
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164166
Sample ID: GW-23D
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	17:40	L. Lowery	8260B	4199
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	17:40	L. Lowery	8260B	4199

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	121.	73. - 133.
VOA Surr Toluene-d8	96.	80. - 121.
VOA Surr, 4-BFB	104.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164167
Sample ID: FB AT 19
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected: 12:15
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	18:13	L. Lowery	8260B	4199
Benzene	ND	mg/l	0.0020	1	10/10/02	18:13	L. Lowery	8260B	4199
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Bromoform	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Bromomethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
2-Butanone	ND	mg/l	0.0100	1	10/10/02	18:13	L. Lowery	8260B	4199
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Chloroethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Chloroform	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Chloromethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	18:13	L. Lowery	8260B	4199
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164167
Sample ID: FB AT 19
Project: 02027042
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	18:13	L. Lowery	8260B	4199
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	18:13	L. Lowery	8260B	4199
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	18:13	L. Lowery	8260B	4199
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	18:13	L. Lowery	8260B	4199
Naphthalene	ND	mg/l	0.00500	1	10/10/02	18:13	L. Lowery	8260B	4199
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Styrene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Toluene	ND	mg/l	0.0020	1	10/10/02	18:13	L. Lowery	8260B	4199
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Trichloroethene	ND	mg/l	0.00200	1	10/12/02	17:16	L. Lowery	8260B	5196
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	18:13	L. Lowery	8260B	4199
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164167
Sample ID: FB AT 19
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	18:13	L. Lowery	8260B	4199
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	18:13	L. Lowery	8260B	4199

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	73. - 133.
VOA Surr Toluene-d8	104.	80. - 121.
VOA Surr, 4-BFB	138. #	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

TERRACON ENVIRONMENTAL 9451
ERIC GORMAN
13910 W. 96 TERRACE
LENEXA, KS 66215

Project: 02027042
Project Name: HARDESTY FEDERAL COMPLEX
Sampler: TRACIE A. RAGLAND

Lab Number: 02-A164168
Sample ID: TB
Sample Type: Ground water
Site ID:

Date Collected: 10/ 4/02
Time Collected:
Date Received: 10/ 5/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0100	1	10/10/02	18:46	L. Lowery	8260B	4199
Benzene	ND	mg/l	0.0020	1	10/10/02	18:46	L. Lowery	8260B	4199
Bromobenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Bromochloromethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Bromoform	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Bromomethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
2-Butanone	ND	mg/l	0.0100	1	10/10/02	18:46	L. Lowery	8260B	4199
n-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
sec-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
t-Butylbenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Carbon disulfide	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Carbon tetrachloride	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Chlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Chloroethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Chloroform	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Chloromethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
2-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
4-Chlorotoluene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	10/10/02	18:46	L. Lowery	8260B	4199
Dibromochloromethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,2-Dibromoethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Dibromomethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164168
Sample ID: TB
Project: 02027042

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Dichlorodifluoromethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,1-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,2-Dichloroethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,1-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,3-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
2,2-Dichloropropane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,1-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Ethylbenzene	ND	mg/l	0.0020	1	10/10/02	18:46	L. Lowery	8260B	4199
Hexachlorobutadiene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
2-Hexanone	ND	mg/l	0.0100	1	10/10/02	18:46	L. Lowery	8260B	4199
Isopropylbenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
4-Isopropyltoluene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	10/10/02	18:46	L. Lowery	8260B	4199
Methylene chloride	ND	mg/l	0.00500	1	10/10/02	18:46	L. Lowery	8260B	4199
Naphthalene	ND	mg/l	0.00500	1	10/10/02	18:46	L. Lowery	8260B	4199
n-Propylbenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Styrene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Tetrachloroethene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Toluene	ND	mg/l	0.0020	1	10/10/02	18:46	L. Lowery	8260B	4199
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Trichloroethene	ND	mg/l	0.00200	1	10/12/02	9:19	L. Lowery	8260B	4896
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	10/10/02	18:46	L. Lowery	8260B	4199
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Vinyl chloride	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A164168
Sample ID: TB
Project: 02027042
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Xylenes (Total)	ND	mg/l	0.0020	1	10/10/02	18:46	L. Lowery	8260B	4199
Bromodichloromethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199
Trichlorofluoromethane	ND	mg/l	0.00200	1	10/10/02	18:46	L. Lowery	8260B	4199

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	73. - 133.
VOA Surr Toluene-d8	106.	80. - 121.
VOA Surr, 4-BFB	108.	80. - 128.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
E - Estimated Value above the calibration limit of the instrument.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sampl
VOA PARAMETERS								
Benzene	mg/l	< 0.0020	0.0489	0.0500	98	78. - 132.	3150	blank
Benzene	mg/l	< 0.0020	0.0516	0.0500	103	78. - 132.	4199	blank
Chlorobenzene	mg/l	< 0.00200	0.0484	0.0500	97	79. - 124.	3150	blank
Chlorobenzene	mg/l	< 0.00200	0.0537	0.0500	107	79. - 124.	4199	blank
1,1-Dichloroethene	mg/l	< 0.00200	0.0505	0.0500	101	68. - 141.	3150	blank
1,1-Dichloroethene	mg/l	< 0.00200	0.0552	0.0500	110	68. - 141.	4199	blank
Toluene	mg/l	< 0.0020	0.0504	0.0500	101	77. - 134.	3150	blank
Toluene	mg/l	< 0.0020	0.0544	0.0500	109	77. - 134.	4199	blank
Trichloroethene	mg/l	< 0.00200	0.0485	0.0500	97	73. - 137.	3150	blank
Trichloroethene	mg/l	< 0.00200	0.0573	0.0500	115	73. - 137.	4199	blank
Tetrachloroethene	mg/l	< 0.00200	0.0478	0.0500	96	72. - 136.	3150	blank
Tetrachloroethene	mg/l	< 0.00200	0.0631	0.0500	126	72. - 136.	4199	blank

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0489	0.0521	6.34	15.	3150
Benzene	mg/l	0.0516	0.0458	11.91	15.	4199
Chlorobenzene	mg/l	0.0484	0.0529	8.88	16.	3150
Chlorobenzene	mg/l	0.0537	0.0467	13.94	16.	4199
1,1-Dichloroethene	mg/l	0.0505	0.0567	11.57	19.	3150
1,1-Dichloroethene	mg/l	0.0552	0.0481	13.75	19.	4199
Toluene	mg/l	0.0504	0.0484	4.05	16.	3150
Toluene	mg/l	0.0544	0.0454	18.04#	16.	4199
Trichloroethene	mg/l	0.0485	0.0531	9.06	20.	3150
Trichloroethene	mg/l	0.0573	0.0471	19.54	20.	4199

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Tetrachloroethene	mg/l	0.0478	0.0547	13.46	23.	3150
Tetrachloroethene	mg/l	0.0631	0.0458	31.77#	23.	4199

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Acetone	mg/l	0.250	0.260	104	60 - 154	3150
Acetone	mg/l	0.250	0.234	94	60 - 154	4199
Benzene	mg/l	0.0500	0.0516	103	78 - 127	3150
Benzene	mg/l	0.0500	0.0490	98	78 - 127	4199
Bromobenzene	mg/l	0.0500	0.0374	75 #	80 - 120	3150
Bromobenzene	mg/l	0.0500	0.0393	79 #	80 - 120	4199
Bromochloromethane	mg/l	0.0500	0.0547	109	66 - 137	3150
Bromochloromethane	mg/l	0.0500	0.0534	107	66 - 137	4199
Bromoform	mg/l	0.0500	0.0612	122	66 - 129	3150
Bromoform	mg/l	0.0500	0.0568	114	66 - 129	4199
Bromomethane	mg/l	0.0500	0.0437	87	47 - 163	3150
Bromomethane	mg/l	0.0500	0.0486	97	47 - 163	4199
2-Butanone	mg/l	0.250	0.293	117	75 - 140	3150
2-Butanone	mg/l	0.250	0.267	107	75 - 140	4199
n-Butylbenzene	mg/l	0.0500	0.0547	109	61 - 131	3150
n-Butylbenzene	mg/l	0.0500	0.0531	106	61 - 131	4199
sec-Butylbenzene	mg/l	0.0500	0.0582	116	72 - 124	3150
sec-Butylbenzene	mg/l	0.0500	0.0557	111	72 - 124	4199
t-Butylbenzene	mg/l	0.0500	0.0594	119	74 - 123	3150
t-Butylbenzene	mg/l	0.0500	0.0592	118	74 - 123	4199
Carbon disulfide	mg/l	0.0500	0.0533	107	67 - 138	3150
Carbon disulfide	mg/l	0.0500	0.0501	100	67 - 138	4199
Carbon tetrachloride	mg/l	0.0500	0.0582	116	69 - 132	3150
Carbon tetrachloride	mg/l	0.0500	0.0526	105	69 - 132	4199

..oject QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 3

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Chlorobenzene	mg/l	0.0500	0.0524	105	81 - 120	3150
Chlorobenzene	mg/l	0.0500	0.0496	99	81 - 120	4199
Chloroethane	mg/l	0.0500	0.0576	115	65 - 134	3150
Chloroethane	mg/l	0.0500	0.0555	111	65 - 134	4199
Chloroform	mg/l	0.0500	0.0532	106	77 - 125	3150
Chloroform	mg/l	0.0500	0.0501	100	77 - 125	4199
Chloromethane	mg/l	0.0500	0.0536	107	43 - 142	3150
Chloromethane	mg/l	0.0500	0.0517	103	43 - 142	4199
2-Chlorotoluene	mg/l	0.0500	0.0544	109	76 - 126	3150
2-Chlorotoluene	mg/l	0.0500	0.0536	107	76 - 126	4199
4-Chlorotoluene	mg/l	0.0500	0.0553	111	79 - 123	3150
4-Chlorotoluene	mg/l	0.0500	0.0568	114	79 - 123	4199
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0560	112	64 - 132	3150
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0467	93	64 - 132	4199
Dibromochloromethane	mg/l	0.0500	0.0565	113	78 - 124	3150
Dibromochloromethane	mg/l	0.0500	0.0526	105	78 - 124	4199
1,2-Dibromoethane	mg/l	0.0500	0.0554	111	79 - 126	3150
1,2-Dibromoethane	mg/l	0.0500	0.0511	102	79 - 126	4199
Dibromomethane	mg/l	0.0500	0.0568	114	75 - 131	3150
Dibromomethane	mg/l	0.0500	0.0516	103	75 - 131	4199
1,2-Dichlorobenzene	mg/l	0.0500	0.0542	108	80 - 120	3150
1,2-Dichlorobenzene	mg/l	0.0500	0.0521	104	80 - 120	4199
1,3-Dichlorobenzene	mg/l	0.0500	0.0533	107	79 - 120	3150
1,3-Dichlorobenzene	mg/l	0.0500	0.0523	105	79 - 120	4199
1,4-Dichlorobenzene	mg/l	0.0500	0.0489	98	78 - 118	3150
1,4-Dichlorobenzene	mg/l	0.0500	0.0483	97	78 - 118	4199
Dichlorodifluoromethane	mg/l	0.0500	0.0552	110	45 - 149	3150
Dichlorodifluoromethane	mg/l	0.0500	0.0494	99	45 - 149	4199
1,1-Dichloroethane	mg/l	0.0500	0.0517	103	73 - 128	3150
1,1-Dichloroethane	mg/l	0.0500	0.0495	99	73 - 128	4199
1,2-Dichloroethane	mg/l	0.0500	0.0525	105	71 - 135	3150
1,2-Dichloroethane	mg/l	0.0500	0.0513	103	71 - 135	4199
1,1-Dichloroethene	mg/l	0.0500	0.0563	113	72 - 128	3150

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 4

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,1-Dichloroethene	mg/l	0.0500	0.0523	105	72 - 128	4199
cis-1,2-Dichloroethene	mg/l	0.0500	0.0530	106	76 - 127	3150
cis-1,2-Dichloroethene	mg/l	0.0500	0.0515	103	76 - 127	4199
trans-1,2-Dichloroethene	mg/l	0.0500	0.0539	108	71 - 131	3150
trans-1,2-Dichloroethene	mg/l	0.0500	0.0515	103	71 - 131	4199
1,2-Dichloropropane	mg/l	0.0500	0.0528	106	75 - 127	3150
1,2-Dichloropropane	mg/l	0.0500	0.0494	99	75 - 127	4199
1,3-Dichloropropane	mg/l	0.0500	0.0498	100	81 - 128	3150
1,3-Dichloropropane	mg/l	0.0500	0.0542	108	81 - 128	4199
2,2-Dichloropropane	mg/l	0.0500	0.0505	101	45 - 145	3150
2,2-Dichloropropane	mg/l	0.0500	0.0529	106	45 - 145	4199
1,1-Dichloropropene	mg/l	0.0500	0.0551	110	76 - 127	3150
1,1-Dichloropropene	mg/l	0.0500	0.0503	101	76 - 127	4199
cis-1,3-Dichloropropene	mg/l	0.0500	0.0501	100	72 - 131	3150
cis-1,3-Dichloropropene	mg/l	0.0500	0.0535	107	72 - 131	4199
trans-1,3-Dichloropropene	mg/l	0.0500	0.0509	102	69 - 131	3150
trans-1,3-Dichloropropene	mg/l	0.0500	0.0525	105	69 - 131	4199
Ethylbenzene	mg/l	0.0500	0.0578	116	78 - 125	3150
Ethylbenzene	mg/l	0.0500	0.0528	106	78 - 125	4199
Hexachlorobutadiene	mg/l	0.0500	0.0516	103	59 - 126	3150
Hexachlorobutadiene	mg/l	0.0500	0.0508	102	59 - 126	4199
2-Hexanone	mg/l	0.250	0.293	117	71 - 142	3150
2-Hexanone	mg/l	0.250	0.285	114	71 - 142	4199
Isopropylbenzene	mg/l	0.0500	0.0532	106	78 - 123	3150
Isopropylbenzene	mg/l	0.0500	0.0568	114	78 - 123	4199
4-Isopropyltoluene	mg/l	0.0500	0.0544	109	73 - 125	3150
4-Isopropyltoluene	mg/l	0.0500	0.0526	105	73 - 125	4199
4-Methyl-2-pentanone	mg/l	0.250	0.293	117	71 - 141	3150
4-Methyl-2-pentanone	mg/l	0.250	0.274	110	71 - 141	4199
Methylene chloride	mg/l	0.0500	0.0444	89	70 - 140	3150
Methylene chloride	mg/l	0.0500	0.0425	85	70 - 140	4199
Naphthalene	mg/l	0.0500	0.0486	97	52 - 140	3150
Naphthalene	mg/l	0.0500	0.0379	76	52 - 140	4199

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
n-Propylbenzene	mg/l	0.0500	0.0508	102	75 - 125	3150
n-Propylbenzene	mg/l	0.0500	0.0541	108	75 - 125	4199
Styrene	mg/l	0.0500	0.0635	127 #	82 - 122	3150
Styrene	mg/l	0.0500	0.0590	118	82 - 122	4199
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0557	111	85 - 123	3150
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0512	102	85 - 123	4199
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0594	119	74 - 133	3150
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0521	104	74 - 133	4199
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0502	100	74 - 133	4886
Tetrachloroethene	mg/l	0.0500	0.0543	109	76 - 123	3150
Tetrachloroethene	mg/l	0.0500	0.0511	102	76 - 123	4199
Toluene	mg/l	0.0500	0.0490	98	78 - 127	3150
Toluene	mg/l	0.0500	0.0504	101	78 - 127	4199
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0528	106	59 - 132	3150
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0450	90	59 - 132	4199
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0470	94	60 - 133	3150
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0413	83	60 - 133	4199
1,1,1-Trichloroethane	mg/l	0.0500	0.0565	113	74 - 128	3150
1,1,1-Trichloroethane	mg/l	0.0500	0.0508	102	74 - 128	4199
1,1,2-Trichloroethane	mg/l	0.0513	0.0750	146 #	85 - 125	3150
1,1,2-Trichloroethane	mg/l	0.0500	0.0521	104	85 - 125	4199
Trichloroethene	mg/l	0.0500	0.0498	100	78 - 125	4199
Trichloroethene	mg/l	0.0500	0.0498	100	78 - 125	4242
Trichloroethene	mg/l	0.0500	0.0516	103	78 - 125	4886
Trichloroethene	mg/l	0.0500	0.0536	107	78 - 125	4896
Trichloroethene	mg/l	0.0500	0.0540	108	78 - 125	5196
1,2,3-Trichloropropane	mg/l	0.0500	0.0513	103	75 - 130	4199
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0582	116	77 - 122	3150
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0570	114	77 - 122	4199
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0571	114	75 - 125	3150
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0582	116	75 - 125	4199
Vinyl chloride	mg/l	0.0500	0.0544	109	61 - 140	3150
Vinyl chloride	mg/l	0.0500	0.0505	101	61 - 140	4199

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 6

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Xylenes (Total)	mg/l	0.150	0.165	110	77 - 126	3150
Xylenes (Total)	mg/l	0.150	0.154	103	77 - 126	4199
Bromodichloromethane	mg/l	0.0500	0.0536	107	79 - 126	3150
Bromodichloromethane	mg/l	0.0500	0.0522	104	79 - 126	4199
Trichlorofluoromethane	mg/l	0.0500	0.0584	117	60 - 140	3150
Trichlorofluoromethane	mg/l	0.0500	0.0525	105	60 - 140	4199

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Acetone	< 0.0100	mg/l	3150	10/10/02	2:40
Acetone	< 0.0100	mg/l	4199	10/10/02	13:46
Benzene	< 0.0020	mg/l	3150	10/10/02	2:40
Benzene	< 0.0020	mg/l	4199	10/10/02	13:46
Bromobenzene	< 0.00200	mg/l	3150	10/10/02	2:40
Bromobenzene	< 0.00200	mg/l	4199	10/10/02	13:46
Bromochloromethane	< 0.00200	mg/l	3150	10/10/02	2:40
Bromochloromethane	< 0.00200	mg/l	4199	10/10/02	13:46
Bromoform	< 0.00200	mg/l	3150	10/10/02	2:40
Bromoform	< 0.00200	mg/l	4199	10/10/02	13:46
Bromomethane	< 0.00200	mg/l	3150	10/10/02	2:40
Bromomethane	< 0.00200	mg/l	4199	10/10/02	13:46
2-Butanone	< 0.0100	mg/l	3150	10/10/02	2:40
2-Butanone	< 0.0100	mg/l	4199	10/10/02	13:46
n-Butylbenzene	< 0.00200	mg/l	3150	10/10/02	2:40
n-Butylbenzene	< 0.00200	mg/l	4199	10/10/02	13:46
sec-Butylbenzene	< 0.00200	mg/l	3150	10/10/02	2:40
sec-Butylbenzene	< 0.00200	mg/l	4199	10/10/02	13:46
t-Butylbenzene	< 0.00200	mg/l	3150	10/10/02	2:40
t-Butylbenzene	< 0.00200	mg/l	4199	10/10/02	13:46

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 7

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Carbon disulfide	< 0.00200	mg/l	3150	10/10/02	2:40
Carbon disulfide	< 0.00200	mg/l	4199	10/10/02	13:46
Carbon tetrachloride	< 0.00200	mg/l	3150	10/10/02	2:40
Carbon tetrachloride	< 0.00200	mg/l	4199	10/10/02	13:46
Chlorobenzene	< 0.00200	mg/l	3150	10/10/02	2:40
Chlorobenzene	< 0.00200	mg/l	4199	10/10/02	13:46
Chloroethane	< 0.00200	mg/l	3150	10/10/02	2:40
Chloroethane	< 0.00200	mg/l	4199	10/10/02	13:46
Chloroform	< 0.00200	mg/l	3150	10/10/02	2:40
Chloroform	< 0.00200	mg/l	4199	10/10/02	13:46
Chloromethane	< 0.00200	mg/l	3150	10/10/02	2:40
Chloromethane	< 0.00200	mg/l	4199	10/10/02	13:46
2-Chlorotoluene	< 0.00200	mg/l	3150	10/10/02	2:40
2-Chlorotoluene	< 0.00200	mg/l	4199	10/10/02	13:46
4-Chlorotoluene	< 0.00200	mg/l	3150	10/10/02	2:40
4-Chlorotoluene	< 0.00200	mg/l	4199	10/10/02	13:46
1,2-Dibromo-3-chloropropane	< 0.0100	mg/l	3150	10/10/02	2:40
1,2-Dibromo-3-chloropropane	< 0.0100	mg/l	4199	10/10/02	13:46
Dibromochloromethane	< 0.00200	mg/l	3150	10/10/02	2:40
Dibromochloromethane	< 0.00200	mg/l	4199	10/10/02	13:46
1,2-Dibromoethane	< 0.00200	mg/l	3150	10/10/02	2:40
1,2-Dibromoethane	< 0.00200	mg/l	4199	10/10/02	13:46
Dibromomethane	< 0.00200	mg/l	3150	10/10/02	2:40
Dibromomethane	< 0.00200	mg/l	4199	10/10/02	13:46
1,2-Dichlorobenzene	< 0.00200	mg/l	3150	10/10/02	2:40
1,2-Dichlorobenzene	< 0.00200	mg/l	4199	10/10/02	13:46
1,3-Dichlorobenzene	< 0.00200	mg/l	3150	10/10/02	2:40
1,3-Dichlorobenzene	< 0.00200	mg/l	4199	10/10/02	13:46
1,4-Dichlorobenzene	< 0.00200	mg/l	3150	10/10/02	2:40
1,4-Dichlorobenzene	< 0.00200	mg/l	4199	10/10/02	13:46
Dichlorodifluoromethane	< 0.00200	mg/l	3150	10/10/02	2:40
Dichlorodifluoromethane	< 0.00200	mg/l	4199	10/10/02	13:46
1,1-Dichloroethane	< 0.00200	mg/l	3150	10/10/02	2:40

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 8

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1-Dichloroethane	< 0.00200	mg/l	4199	10/10/02	13:46
1,2-Dichloroethane	< 0.00200	mg/l	3150	10/10/02	2:40
1,2-Dichloroethane	< 0.00200	mg/l	4199	10/10/02	13:46
1,1-Dichloroethene	< 0.00200	mg/l	3150	10/10/02	2:40
1,1-Dichloroethene	< 0.00200	mg/l	4199	10/10/02	13:46
cis-1,2-Dichloroethene	< 0.00200	mg/l	3150	10/10/02	2:40
cis-1,2-Dichloroethene	< 0.00200	mg/l	4199	10/10/02	13:46
trans-1,2-Dichloroethene	< 0.00200	mg/l	3150	10/10/02	2:40
trans-1,2-Dichloroethene	< 0.00200	mg/l	4199	10/10/02	13:46
1,2-Dichloropropane	< 0.00200	mg/l	3150	10/10/02	2:40
1,2-Dichloropropane	< 0.00200	mg/l	4199	10/10/02	13:46
1,3-Dichloropropane	< 0.00200	mg/l	3150	10/10/02	2:40
1,3-Dichloropropane	< 0.00200	mg/l	4199	10/10/02	13:46
2,2-Dichloropropane	< 0.00200	mg/l	3150	10/10/02	2:40
2,2-Dichloropropane	< 0.00200	mg/l	4199	10/10/02	13:46
1,1-Dichloropropene	< 0.00200	mg/l	3150	10/10/02	2:40
1,1-Dichloropropene	< 0.00200	mg/l	4199	10/10/02	13:46
cis-1,3-Dichloropropene	< 0.00200	mg/l	3150	10/10/02	2:40
cis-1,3-Dichloropropene	< 0.00200	mg/l	4199	10/10/02	13:46
trans-1,3-Dichloropropene	< 0.00200	mg/l	3150	10/10/02	2:40
trans-1,3-Dichloropropene	< 0.00200	mg/l	4199	10/10/02	13:46
Ethylbenzene	< 0.0020	mg/l	3150	10/10/02	2:40
Ethylbenzene	< 0.0020	mg/l	4199	10/10/02	13:46
Hexachlorobutadiene	< 0.00200	mg/l	3150	10/10/02	2:40
Hexachlorobutadiene	< 0.00200	mg/l	4199	10/10/02	13:46
2-Hexanone	< 0.0100	mg/l	3150	10/10/02	2:40
2-Hexanone	< 0.0100	mg/l	4199	10/10/02	13:46
Isopropylbenzene	< 0.00200	mg/l	3150	10/10/02	2:40
Isopropylbenzene	< 0.00200	mg/l	4199	10/10/02	13:46
4-Isopropyltoluene	< 0.00200	mg/l	3150	10/10/02	2:40
4-Isopropyltoluene	< 0.00200	mg/l	4199	10/10/02	13:46
4-Methyl-2-pentanone	< 0.0100	mg/l	3150	10/10/02	2:40
4-Methyl-2-pentanone	< 0.0100	mg/l	4199	10/10/02	13:46

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 02027042
Page: 9

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Methylene chloride	< 0.00200	mg/l	3150	10/10/02	2:40
Methylene chloride	< 0.00200	mg/l	4199	10/10/02	13:46
Naphthalene	< 0.00500	mg/l	3150	10/10/02	2:40
Naphthalene	< 0.00500	mg/l	4199	10/10/02	13:46
n-Propylbenzene	< 0.00200	mg/l	3150	10/10/02	2:40
n-Propylbenzene	< 0.00200	mg/l	4199	10/10/02	13:46
Styrene	< 0.00200	mg/l	3150	10/10/02	2:40
Styrene	< 0.00200	mg/l	4199	10/10/02	13:46
1,1,1,2-Tetrachloroethane	< 0.00200	mg/l	3150	10/10/02	2:40
1,1,1,2-Tetrachloroethane	< 0.00200	mg/l	4199	10/10/02	13:46
1,1,2,2-Tetrachloroethane	< 0.00200	mg/l	3150	10/10/02	2:40
1,1,2,2-Tetrachloroethane	< 0.00200	mg/l	4199	10/10/02	13:46
1,1,2,2-Tetrachloroethane	< 0.00200	mg/l	4886	10/11/02	14:35
Tetrachloroethene	< 0.00200	mg/l	3150	10/10/02	2:40
Tetrachloroethene	< 0.00200	mg/l	4199	10/10/02	13:46
Toluene	< 0.0020	mg/l	3150	10/10/02	2:40
Toluene	< 0.0020	mg/l	4199	10/10/02	13:46
1,2,3-Trichlorobenzene	< 0.00200	mg/l	3150	10/10/02	2:40
1,2,3-Trichlorobenzene	< 0.00200	mg/l	4199	10/10/02	13:46
1,2,4-Trichlorobenzene	< 0.00200	mg/l	3150	10/10/02	2:40
1,2,4-Trichlorobenzene	< 0.00200	mg/l	4199	10/10/02	13:46
1,1,1-Trichloroethane	< 0.00200	mg/l	3150	10/10/02	2:40
1,1,1-Trichloroethane	< 0.00200	mg/l	4199	10/10/02	13:46
1,1,2-Trichloroethane	< 0.00200	mg/l	3150	10/10/02	2:40
1,1,2-Trichloroethane	< 0.00200	mg/l	4199	10/10/02	13:46
Trichloroethene	< 0.00200	mg/l	3150	10/10/02	2:40
Trichloroethene	< 0.00200	mg/l	4199	10/10/02	13:46
Trichloroethene	< 0.00200	mg/l	4242	10/10/02	13:46
Trichloroethene	< 0.00200	mg/l	4886	10/11/02	14:35
Trichloroethene	< 0.00200	mg/l	4896	10/12/02	1:07
Trichloroethene	< 0.00200	mg/l	5196	10/12/02	16:43
1,2,3-Trichloropropane	< 0.00200	mg/l	3150	10/10/02	2:40
1,2,3-Trichloropropane	< 0.00200	mg/l	4199	10/10/02	13:46

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 02027042

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2,4-Trimethylbenzene	< 0.0020	mg/l	3150	10/10/02	2:40
1,2,4-Trimethylbenzene	< 0.0020	mg/l	4199	10/10/02	13:46
1,3,5-Trimethylbenzene	< 0.00200	mg/l	3150	10/10/02	2:40
1,3,5-Trimethylbenzene	< 0.00200	mg/l	4199	10/10/02	13:46
Vinyl chloride	< 0.00200	mg/l	3150	10/10/02	2:40
Vinyl chloride	< 0.00200	mg/l	4199	10/10/02	13:46
Xylenes (Total)	< 0.0020	mg/l	3150	10/10/02	2:40
Xylenes (Total)	< 0.0020	mg/l	4199	10/10/02	13:46
Bromodichloromethane	< 0.00200	mg/l	3150	10/10/02	2:40
Bromodichloromethane	< 0.00200	mg/l	4199	10/10/02	13:46
Trichlorofluoromethane	< 0.00200	mg/l	3150	10/10/02	2:40
Trichlorofluoromethane	< 0.00200	mg/l	4199	10/10/02	13:46
VOA Surr 1,2-DCA-d4	113.	% Rec	3150	10/10/02	2:40
VOA Surr 1,2-DCA-d4	112.	% Rec	4199	10/10/02	13:46
VOA Surr Toluene-d8	109.	% Rec	3150	10/10/02	2:40
VOA Surr Toluene-d8	110.	% Rec	4199	10/10/02	13:46
VOA Surr, 4-BFB	118.	% Rec	3150	10/10/02	2:40
VOA Surr, 4-BFB	106.	% Rec	4199	10/10/02	13:46

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 303944

PROJECT NO. 50017083

TERRACON

PHOTO # 1
PHOTOGRAPHER: TAR
DATE: 2/19/02
DESCRIPTION: View of the firing range, looking toward the entrance, in the basement of Building 9.

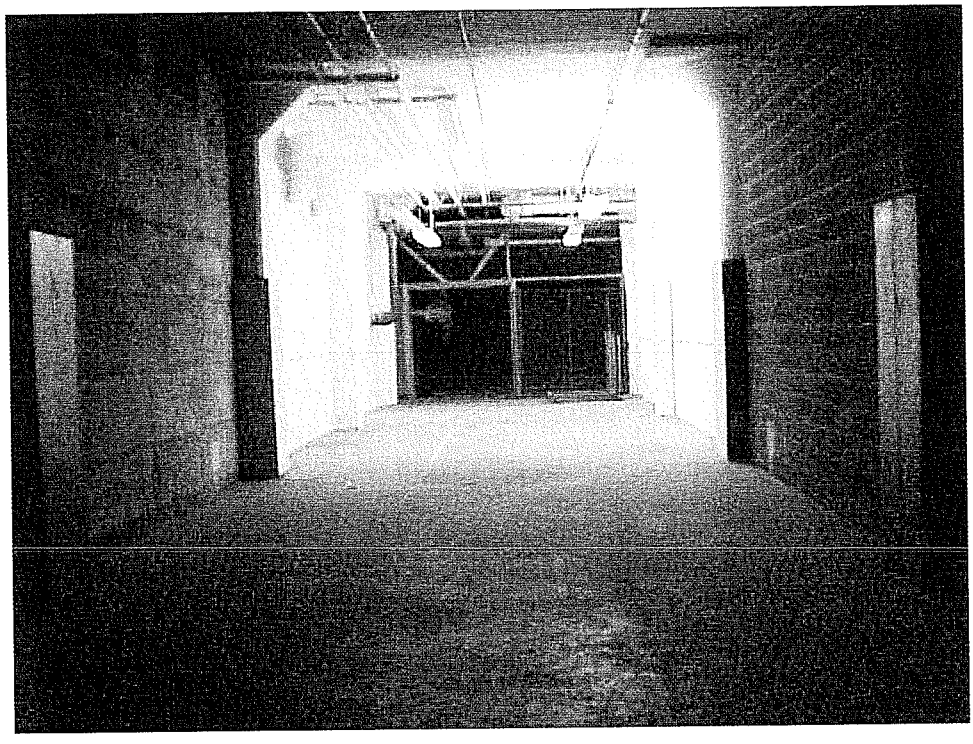

PHOTO # 2
PHOTOGRAPHER: TAR
DATE: 2/19/02
DESCRIPTION: View of the bullet stop in the firing range.

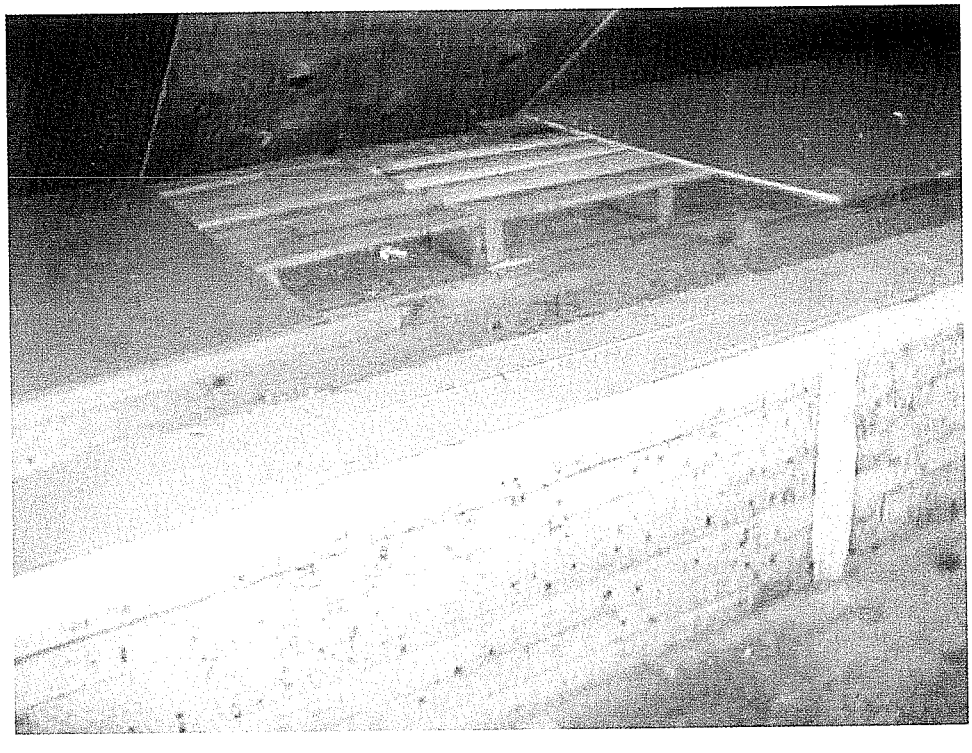

PHOTO # 3
PHOTOGRAPHER: TAR
DATE: 2/19/02
DESCRIPTION: View of the sand in the bullet stop in the firing range.

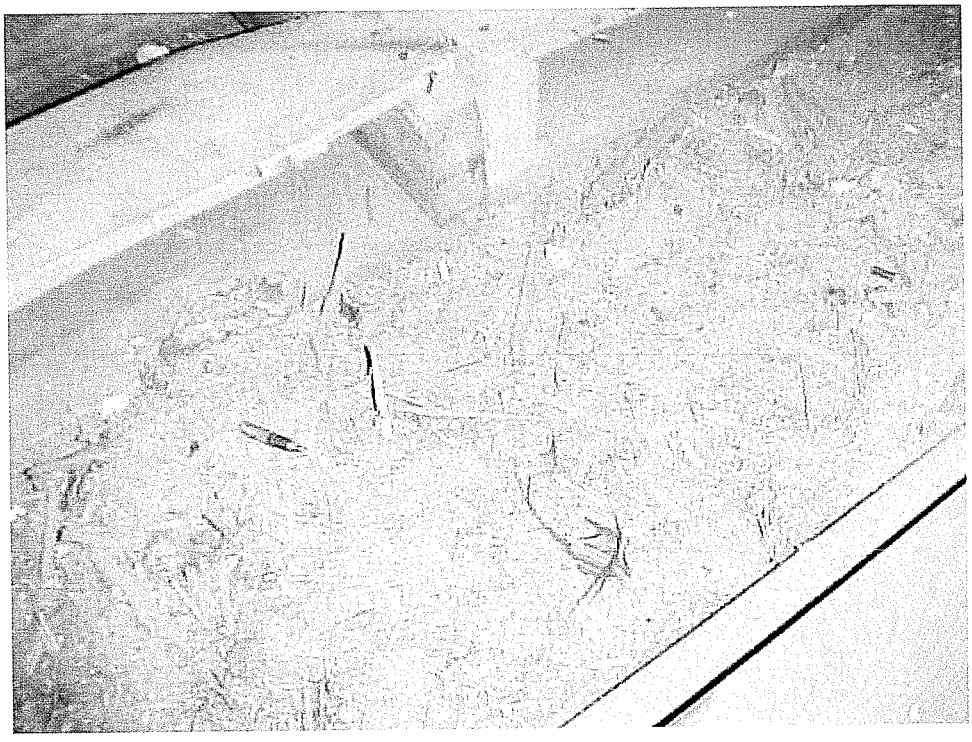

PHOTO # 4
PHOTOGRAPHER: TAR
DATE: 2/19/02
DESCRIPTION: One of the wall dust wipe sampling locations in the firing range.

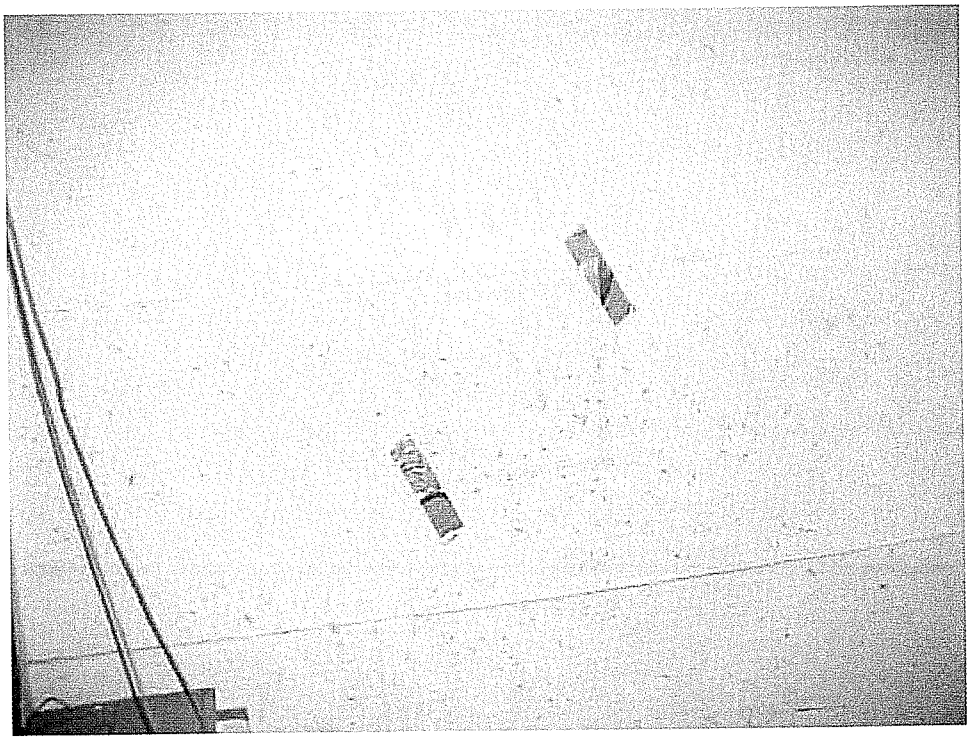

PHOTO # 5
PHOTOGRAPHER: TAR
DATE: 2/19/02
DESCRIPTION: View of sampling activities of the ash in the smokestack ash clean-out room in the basement of Building 3.

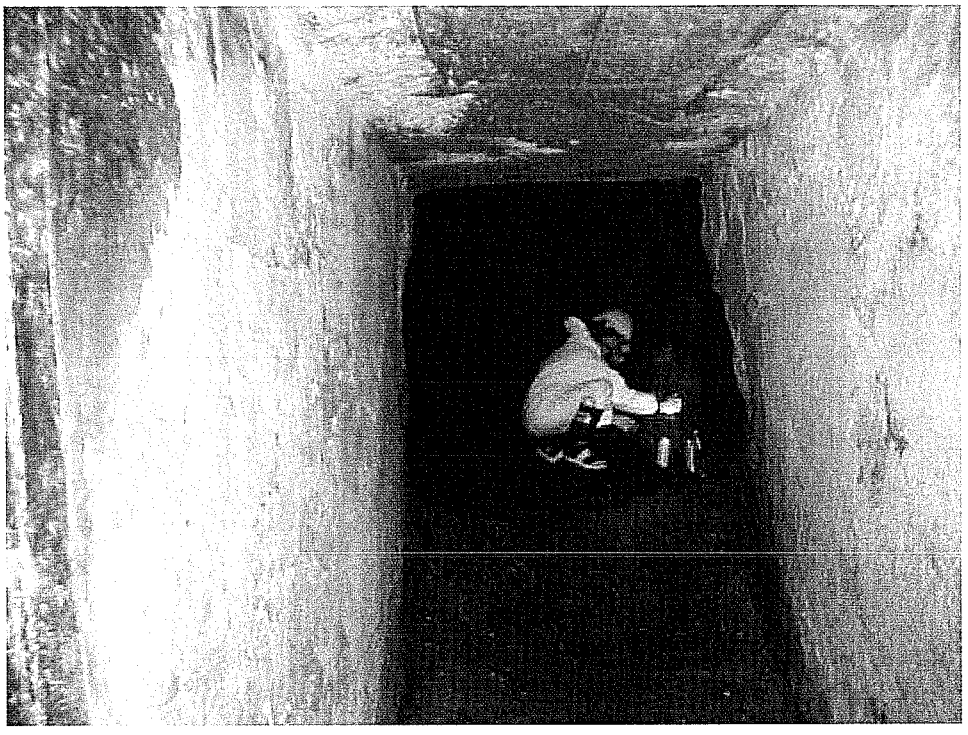
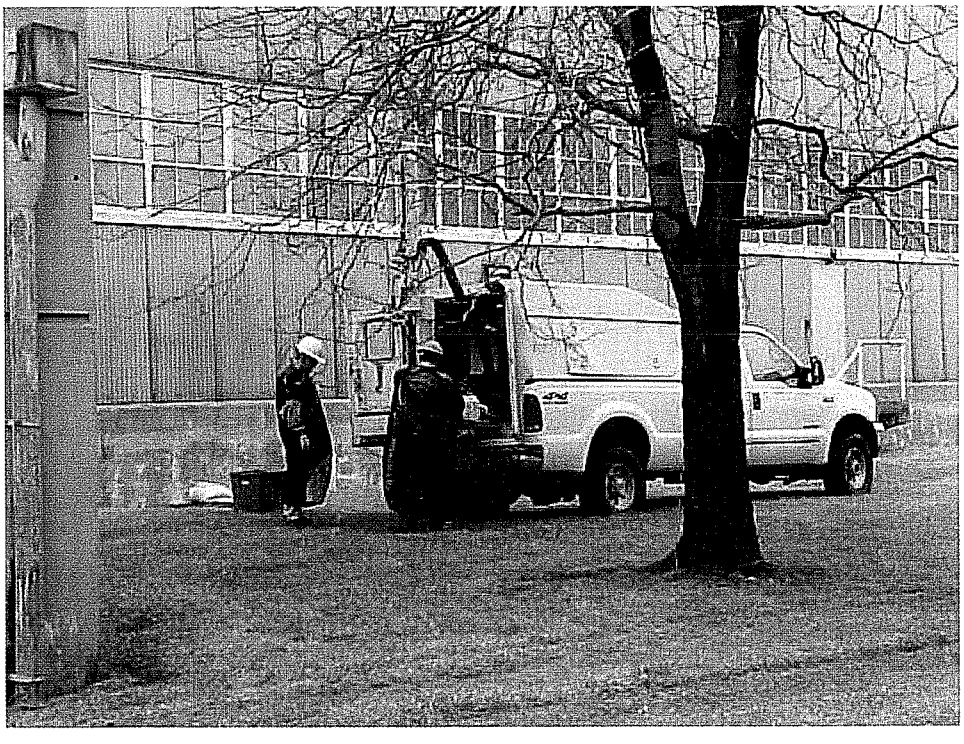
PHOTO # 6
PHOTOGRAPHER: TAR
DATE: 2/19/02
DESCRIPTION: View of boring advancement in the grass-covered area between Buildings 6 and 9.