

**FINAL PROGRESS REPORT
(REPORT #005)**

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**INTERIM REPOSE COAL TAR
RECOVERY SYSTEM
XCEL ENERGY FACILITY
301 LAKE SHORE DRIVE
ASHLAND, WISCONSIN**



Prepared for

Xcel Energy, Inc.

512 Nicollet Mall, 8th Floor

Minneapolis, MN 55401

February 28, 2002



URS

5250 East Terrace Drive, Suite I
Madison, Wisconsin 53718

URS Project No. 05644-097

NSP/Ashland Lakefront Site – BRRTS# 02-02-000013



February 28, 2002

Mr. James R. Dunn
Wisconsin Department of Natural Resources
Northern Region Headquarters
810 West Maple Street
Spooner, WI 54801

RE: URS Project No. 05644-097
NSP/Ashland Lakefront Site – BRRTS# 02-02-000013
Progress Report No. 5 – December 2001 Groundwater Results
Coal Tar Recovery System
Xcel Energy, Inc., 301 Lake Shore Drive, Ashland, Wisconsin

Dear Mr. Dunn:

Please find enclosed the fifth progress report (report #005) for the Interim Response Coal Tar Recovery System at the Xcel Energy, Inc. (Xcel) facility in Ashland, Wisconsin. URS has prepared this report on the continued operation of the remediation system recently installed at the facility. This report includes December 2001 groundwater monitoring results. Additionally, this report includes a work plan amendment for modifications to the groundwater monitoring network.

Please call us at (608) 244-5656 should you have any questions.

Sincerely,

URS

David P. Trainor, P.E., P.G.
Principal

cc: Jerry Winslow, Xcel Energy
Jim Musso, Xcel Energy
Dave Crass, Michael Best & Friedrich

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1.1 REMEDIATION SYSTEM PROGRESS

The interim response coal tar recovery system located at Xcel Energy's Ashland, Wisconsin facility was installed during the fall of 2000. Between September 2000 and January 2001 the system operated intermittently as problems were identified and corrected. This startup represented a 'shakedown' of the remediation system to correct any operational or equipment problems. The system operated continuously between January 18th and July 31, 2001.

The system was shut down in August and September 2001, because coal tar passed through the oil water separator and entered the bag filters and liquid phase carbon filters. (The system has an emergency shut down system triggered when breakthrough occurs, preventing free-product discharge to the sanitary sewer.) On both occasions the system was cleaned, new bag filters were installed, and the liquid phase carbon was replaced. The system operated for approximately two weeks in August and September 2001. In October 2001 the remediation system was "retrofit" with a secondary separation device to remove floating product that could pass through the oil water separator to prevent future breakthrough of coal tar. The system began operating again in early November and operated continuously until January 2002.

1.2 CONTAMINANT EXTRACTION AND DESTRUCTION

Through January 3, 2002 the remediation system had extracted and separated 27,197 pounds of coal tar. The system also treated a total of 172,000 gallons of groundwater, removing 126 pounds of organic contaminants. The removal efficiency of the system for groundwater organic contaminants has been greater than 99.99% during this period.

1.3 OPERATIONAL PROBLEMS, SHUTDOWNS, AND MALFUNCTIONS

The system operated continuously from November 12, 2001 through January 2002.

2.1 GROUNDWATER MONITORING PROGRAM

Groundwater samples have been collected quarterly since September 2000 in accordance with the September 7, 2001 groundwater-monitoring plan. September and December 2000 results were presented in Progress Report No. 1 dated February 14, 2001. March groundwater monitoring results were presented in Progress Report No. 2 dated July 17, 2001. June 2001 groundwater monitoring results were presented in Progress Report No. 3 dated October 22, 2001, and September 2001 groundwater monitoring results were presented in Progress Report No. 4 dated December 20, 2001.

Prior to the collection of samples in December 2001, fluid levels were measured in all monitoring wells and extraction wells. Static water levels and groundwater elevations measured between August 1999 and September 2001 are summarized in Table 2. DNAPL thicknesses measured between October 1998 and December 2001 are summarized in Table 3.

In December 2001 samples were collected from wells MW-4A, MW-4B, MW-8A, MW-9A, MW-9B, MW-9C, MW-13A, MW-13C, and MW-13D in accordance with the groundwater monitoring plan. A sample was not collected from well MW-13B because more than 12-inches of DNAPL was measured in that well. Samples were not collected from wells MW-2A and MW-2B because these wells were abandoned after being damaged during the September 2001 clay tile investigation. Well abandonment forms for wells MW-2, MW-2A, and MW-2B are included in Appendix A.

All samples were analyzed for total cyanide, VOCs by Method 8260, and semi-volatile organic compounds (SVOCs) by Method 8270. A trip blank sample that accompanied the samples at all times was also analyzed for VOCs. Laboratory services were provided by Test America, Inc. of Watertown, Wisconsin, a Wisconsin certified environmental laboratory. Laboratory reports are included in Appendix B.

Subsequent samples will be collected in March 2002 in accordance with the amended monitoring plan presented in Section 5.2 of this report. Results will be presented in the next quarterly report. The March groundwater monitoring round will include the collection of samples from replacement wells MW-2AR, MW-2BR, and additional wells MW-18A, MW-18B, MW-19A, MW-20A, and MW-21A recently installed in the Copper Falls Aquifer. The locations of these wells are shown on Figure 1. Samples will not be collected from well MW-7A; the well was likely damaged while trenching in the seep area in July 2001.

2.2 GROUNDWATER SAMPLE COLLECTION

Static water levels and depth to bottom measurements were used to calculate well casing volumes. Four well volumes were removed from each well prior to the collection of groundwater samples. Each well was purged with a submersible pump, or bailed with a dedicated bailer. The color, odor, and turbidity of the purge water were recorded on field sampling forms along with a description of the general conditions, and any problems that were encountered at each well. Samples were collected in laboratory containers, held on ice, and

shipped along with the completed chain-of-custody forms for delivery to the laboratory by the next day. Purge water was collected and discharged to the on-site groundwater treatment system.

In December 2001, groundwater samples were collected from wells MW-4A, MW-4B, MW-8A, MW-9A, MW-9B, MW-9C, MW-13A, MW-13C, and MW-13D. Results are summarized in Tables 4 and 5, and laboratory reports are included in Appendix B.

2.3 GROUNDWATER MONITORING RESULTS

As shown in Table 4, VOCs analyzed by Method 8260 exceeded groundwater quality standards in samples collected from all piezometers with the exception of the samples collected from deep piezometers MW-13C and MW-13D. Constituents of concern include benzene, ethylbenzene, naphthalene, toluene, styrene, total trimethylbenzenes, and total xylenes. Cyanide was also detected in the MW-4A and MW-9B samples, but at concentrations below the preventive action limit (PAL). A summary of groundwater quality standard exceedances is as follows:

- Benzene exceeded the 5 µg/L Enforcement Standard (ES) in samples collected from wells MW-4A (15,000 µg/L), MW-4B (27 µg/L), MW-8A (16,000 µg/L), MW-9A (12 µg/L), MW-9B (3,600 µg/L), and MW-13A (33,000 µg/L). Benzene also exceeded the 0.5 µg/L Preventive Action Limit (PAL) in the MW-9C (0.66 µg/L) sample.
- Ethylbenzene exceeded the 700 µg/L ES in samples collected from well MW-4A (2,200 µg/L). Ethylbenzene also exceeded the 140 µg/L PAL in samples collected from wells MW-8A (540 µg/L), MW-9B (150 µg/L), and MW-13A (670 µg/L).
- Naphthalene exceeded the 40 µg/L ES in samples collected from wells MW-4A (9,700 µg/L), MW-8A (340 µg/L), MW-9B (1,200 µg/L), and MW-13A (5,900 µg/L). Naphthalene also exceeded the 8 µg/L PAL in the MW-9A (37 µg/L) sample.
- Toluene exceeded the 1,000 µg/L ES in samples collected from wells MW-4A (6,900 µg/L) and MW-13A (16,000 µg/L). Toluene also exceeded the 200 µg/L PAL in the MW-8A (660 µg/L) and MW-9B (950 µg/L) samples.
- Total trimethylbenzenes exceeded the 480 µg/L ES in samples collected from wells MW-4A (650 µg/L) and MW-13A (560 µg/L) samples, and the 96 µg/L PAL in the MW-9B (98 µg/L) sample.
- Total xylene exceeded the 1,000 µg/L PAL in samples collected from wells MW-4A (3,900 µg/L) and MW-13A (3,600 µg/L).

As shown in Table 5, several poly-aromatic hydrocarbon (PAH) compounds were detected in December 2001 samples analyzed for SVOCs by Method 8270. Naphthalene is a compound common to both the VOC and SVOC scan. It exceeded the 40 µg/L ES in the MW-4A (9,300 µg/L), MW-9B (990 µg/L), and MW-13A (7,300 µg/L) samples. Naphthalene also exceeded the 8 µg/L PAL in the MW-8A (8 µg/L) sample. Table 5 also shows that benzo(b)fluoranthene, benzo(a)pyrene, and chrysene, exceeded their respective ES in the MW-9B sample.

2.4 HYDROCARBONS LEVELS

Fluid levels were measured in all wells prior to sample collection in December 2001. Free-phase hydrocarbon (coal tar) in the form of dense non-aqueous phase liquid (DNAPL) was measured in wells MW-10B, TW-13, MW-13A, MW-13B, and MW-15. Coal tar has been historically detected in all these wells. Individual well DNAPL readings are shown in Table 3.

*Not
True*

3.1 REMEDIATION SYSTEM MONITORING AND SAMPLING

Site visits were completed in November (6 total) and December (5 total) to perform routine maintenance on the system. Effluent samples of air and treated water were taken in December. These samples were analyzed accordance with the standard test methods specified. Influent and effluent water sample results are summarized in Table 7, and laboratory reports are included in Appendix C.

Operational parameters including pressure, flow, and separation efficiency were also monitored during these site visits. The volume of coal tar removed and groundwater treated by month is summarized in Table 8.

The system operated continuously between November and January 2002. The secondary separation device has prevented any oil from entering the surge tank and beyond (bag filters, then liquid phase carbon). Some oil is reaching the air stripper, but it is collected and returned to the oil water separator. An air diffuser will be added to the secondary separator to increase its efficiency and prevent any oil from reaching the air stripper. System progress and the performance of the secondary separator will be described in the next quarterly report along with March, 2002 groundwater monitoring results.

3.2 AIR MONITORING RESULTS

Influent and effluent samples of air and water were taken during extended periods of system operation (more than two weeks). Laboratory results for water effluent samples and flow meter readings were used to calculate the mass of total VOCs discharged to the City of Ashland sanitary sewer. These calculations are presented in Table 7. Influent samples were collected from sample ports before treatment and between carbon canisters to evaluate the effectiveness of the remediation system; results are also summarized on Table 7. Laboratory results for air effluent samples and engineering calculations were used to calculate the mass of total VOCs discharged to the atmosphere. These calculations are presented in Table 6, along with influent sample results.

4.1 GROUNDWATER MONITORING DISCUSSION

Groundwater monitoring results indicate that the presence of coal tar in the Copper Falls Aquifer has resulted in an impact to groundwater quality in the vicinity of the former MGP. The primary constituents of regulatory concern include benzene, ethylbenzene, naphthalene, toluene, total trimethylbenzenes, and total xylenes. Several poly-aromatic hydrocarbon compounds (benzo(b)fluoranthene, benzo(a)pyrene, chrysene) have also been detected in groundwater samples above groundwater quality standards.

The highest concentration of coal tar constituents were detected in samples collected from piezometers MW-2A, MW-10B, MW-13A, and MW-13B. Elevated concentrations of dissolved phase coal tar constituents were also detected in samples collected from piezometers MW-4A, MW-5A, MW-5B, MW-8A, MW-10B screened near the interface between the Miller Creek and Copper Falls Aquifer. The concentration of dissolved coal tar constituents were detected at lower concentrations in samples collected from wells MW-2B, MW-4B, MW-5C, and MW-10A, screened at deeper intervals in the Copper Falls Aquifer. These results are consistent with previous monitoring results. Operation of the remediation system has not resulted in an improvement in groundwater quality at this time. An improvement can be expected as more coal tar is removed.

The contaminant distribution pattern in the Copper Falls is the result of strong upward gradients in the aquifer. The low permeability Miller Creek till behaves as a confining unit for the underlying Copper Falls Aquifer. Upward gradients in the Copper Falls Aquifer has resulted in the migration of the dissolved phase coal tar constituents along the top of the Copper Falls near the interface between the Miller Creek and Copper Falls Aquifer at locations down gradient from the source area. Additional wells were recently installed within this zone to further evaluate the migration of coal tar at locations down gradient from the source area.

Near the source area, groundwater monitoring results indicate that coal tar has migrated vertically into the underlying Copper Falls aquifer. This has resulted in a dissolved phase plume at depth. Samples collected from wells MW-9A, MW-9B, and MW-13C indicate that the dissolved phase plume is deepest beneath the coal tar plume. In November 1999, MW-9B was installed at a depth of 112 feet, and MW-13C was installed at a depth of 115 feet below ground surface, respectively, to identify the vertical extent of coal tar. Coal tar was not encountered in either well.

Initially, coal tar constituents were detected at low concentrations in samples collected from well MW-9A installed at a depth of 130 feet below ground surface. Elevated concentrations were then detected in the August 1999 and November 1999 samples collected from well MW-9A. Low concentrations of coal tar constituents were also detected in the November 1999 MW-13C sample. Because of these water quality variations, additional piezometers were installed to further evaluate the vertical extent of the dissolved phase plume. Wells MW-9C and MW-13D were installed at depths of 160 and 130 feet, respectively, in June 2000. Because both wells were advanced through the coal tar zone, a 6-inch diameter black iron pipe outer well casing was installed to a depth of 100 feet to prevent coal tar from penetrating the annular space seal around each 2-inch PVC well. (Well MW-9A was installed using conventional drilling mud, prior to

identification of the extent of the coal tar plume in the Copper Falls.) Although values have fluctuated, coal tar constituents have been detected at low concentrations in samples collected from these wells. Consequently, these conditions indicate that the vertical extent of contamination has been identified.

Conversely, the concentration of coal tar constituents in samples collected from wells MW-9A, and MW-9B have fluctuated significantly since the remediation system began operating. In general, the concentration of coal tar constituents in these samples have decreased between September 2000 and December 2001. These fluctuating concentrations may be the result of starting and stopping the remediation system during the first year of operation. Additional groundwater monitoring data will be needed to further evaluate groundwater quality at depth below the coal tar plume. Samples collected from recently installed down gradient piezometers will also provide data that will be useful in evaluating the contaminant distribution pattern at down gradient locations.

How many GACs-

4.2 REMEDIATION SYSTEM

Between September 2000 and January 2002, operation of the coal tar recovery system has resulted in the recovery of approximately 27,197 pounds of coal tar, and the on-site treatment of 172,000 gallons of contaminated groundwater. Influent and effluent air monitoring results indicate the air diffuser and vapor phase carbon adsorption systems are effectively removing volatile organic contaminants discharged by the air diffuser. Influent and effluent water samples indicate that the air diffuser and liquid phase carbon units are effectively treating contaminated groundwater prior to discharge to the sanitary sewer. (Treating groundwater is a secondary function of the system, compared to its primary function of coal tar extraction and separation. Groundwater treatment has not exceeded the standards for air quality and City of Ashland discharge criteria.)

The concentration of total VOCs and benzene in air samples were used to calculate the mass of contaminants removed from the subsurface, and the mass discharged to the atmosphere. The difference represents the mass of total VOCs and benzene adsorbed in the vapor and liquid phase carbon vessels. The concentration of VOCs, BETX, and PAHs in water discharge samples were used to calculate the mass of contaminants removed and the treatment efficiency of the system. Total coal tar removed is measured to determine the effectiveness of the system. Data shows that both GAC systems remove over 99% of organic contaminants. Tables 6 and 7 show the treatment efficiencies, contaminant mass removals, and contaminant mass discharges for each carbon system. The volume of coal tar removed during December was 424 gallons.

5.1 REMEDIATION SYSTEM MONITORING

Operation and monitoring of the system will continue, and maintenance on the system will be performed as designed. Coal tar will continue to be separated from contaminated groundwater, and transported off-site for disposal. Contaminated groundwater will be treated on site by the air diffuser and liquid phase carbon prior to discharge to the sanitary sewer. Off-gases from the air diffuser will be filtered by vapor phase carbon prior to discharge to the atmosphere. Influent air samples will be collected as needed to evaluate the effectiveness of the vapor phase carbon.

5.2 GROUNDWATER MONITORING PLAN AMMENDMENT

Samples collected in 2002 will be collected quarterly during the months of March, June, September, and December. Fluid levels will be measured in site wells quarterly, and groundwater samples will be collected from piezometers screened in the Copper Falls Aquifer. In March and September groundwater samples will be collected from the following wells :

| | | | | | |
|--------|-------|-------|--------|---------|---------|
| MW-2AR | MW-5A | MW-8A | MW-10A | MW-17A | MW-19B* |
| MW-2BR | MW-5B | MW-9A | MW-10B | MW-18A* | MW-20A* |
| MW-4A | MW-5C | MW-9B | MW-13A | MW-18B* | MW-21A* |
| MW-4B | MW-6A | MW-9C | MW-13B | MW-19A* | |

- Wells installed in February 2002.

During the months of June and December, a reduced number of wells will be sampled. In June and December groundwater samples will be collected from the following wells :

| | | | |
|--------|-------|--------|---------|
| MW-2AR | MW-8A | MW-10A | MW-18A* |
| MW-2BR | MW-9A | MW-10B | MW-18B* |
| MW-4A | MW-9B | MW-13A | MW-20A* |
| MW-4B | MW-9C | MW-13B | MW-20B* |

- Wells installed in February 2002.

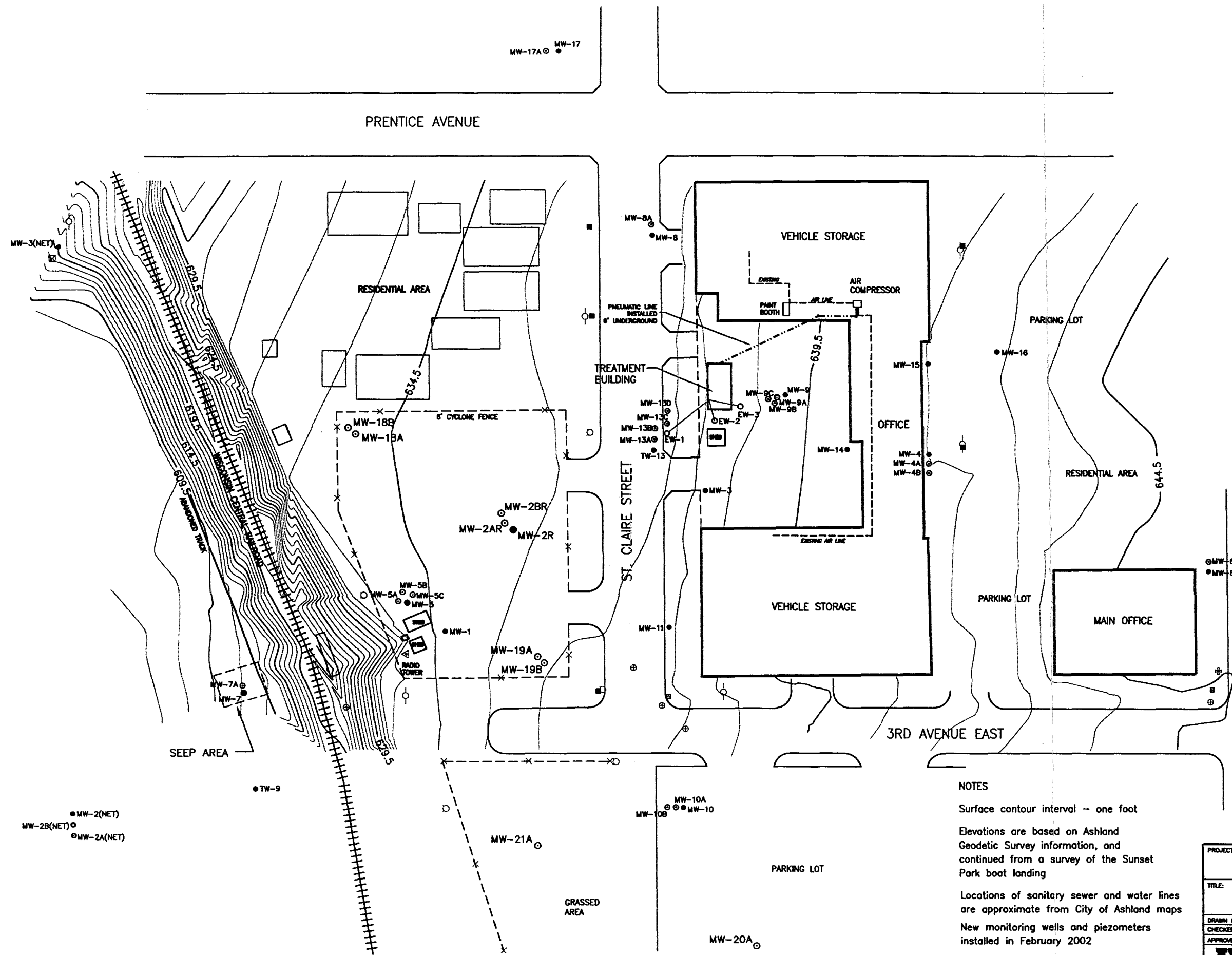
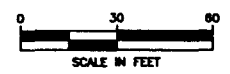
Samples will not be collected from any piezometers if more than 12-inches of coal tar is measured. All samples will be analyzed for total cyanide, VOCs by Method 8260, and semi-volatile organic compounds (SVOCs) by Method 8270. Two duplicate samples and a trip blank will also be analyzed for quality assurance and quality control.

Because well MW-7A has been damaged, and plans for remediation of the seep area are being made, URS recommends that wells MW-7 and MW-7A be properly abandoned.

FIGURES

LEGEND

- ⊕ Fire hydrant
- ⊕ Manhole
- ⊙ Gate valve
- ⊠ Catch basin
- Monitoring Well
- ⊙ Existing piezometer
- Telephone pedestal
- Power pole
- Power/Light pole
- - - Fence lines
- - - Air Lines
- +++ Railroad tracks



NOTES

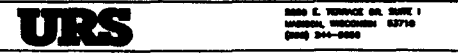
Surface contour interval - one foot

Elevations are based on Ashland Geodetic Survey information, and continued from a survey of the Sunset Park boat landing

Locations of sanitary sewer and water lines are approximate from City of Ashland maps

New monitoring wells and piezometers installed in February 2002

| | | |
|---|-----------------|---------------------|
| PROJECT: NSP/ASHLAND LAKEFRONT SITE ASHLAND, WISCONSIN | | |
| TITLE: FIGURE 1 SITE MAP | | |
| DRAWN BY: DDZ | SCALE: 1" = 60' | PROJ. NO. 05644.098 |
| CHECKED BY: DPT | DATE: 28.FEB.02 | SHEET 1 OF 1 |
| APPROVED BY: DPT | | |



●MW-1 (NET)

●MW-2(NET)
MW-2B(NET)
●MW-2A(NET)

●TW-9

MW-21A ⊙

GRASSED AREA

MW-20A ⊙

PARKING LOT

MW-10A ⊙
MW-10B ⊙

3RD AVENUE EAST

MAIN OFFICE

PARKING LOT

VEHICLE STORAGE

OFFICE

TREATMENT BUILDING

VEHICLE STORAGE

RESIDENTIAL AREA

PRENTICE AVENUE

MW-17A ⊙ ●MW-17

MW-3(NET) ⊙

AW-1 ⊙
(ARTESIAN WELL)

TABLES

Table 1

General Facility Information

PROJECT TITLE: Xcel Energy - Construction Documentation Report for the Interim Response Coal Tar Recovery System

CURRENT OWNER: Xcel Energy, Inc.

PRIMARY CONTACT: Mr. Jerry Winslow
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414 Nicollet Mall (Ren. Sq. 8)
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LABORATORY SERVICES: (Water Samples)
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Test America, Inc.
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Watertown, Wisconsin 53904
(920) 261-1660 (920) 261-8120 fax

(Air Samples)
Mr. Mike McGee
Test America, Inc.
704 Enterprise Drive
Cedar Falls, IA 50613
(319) 277-2401 (319) 277-2425 fax

Table 2 (Page 1 of 2)
Summary of Groundwater Elevations
Northern States Power, Ashland, Wisconsin

| Well Location | Reference Elevation | Dec. 4, 2000 | | March 27, 2001 | | June 11, 2001 | | Sep. 10, 2001 | | Dec. 3, 2001 | |
|---------------|---------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|
| | | Depth to Water | Groundwater Elevations | Depth to Water | Groundwater Elevations | Depth to Water | Groundwater Elevations | Depth to Water | Groundwater Elevations | Depth to Water | Groundwater Elevations |
| MW-1 | 634.18 | 14.78 | 619.40 | 14.25 | 619.93 | 14.71 | 619.47 | 15.08 | 619.10 | 14.26 | 619.92 |
| MW-2 | 634.85 | 14.79 | 620.06 | 13.70 | 621.15 | 13.76 | 621.09 | 14.92 | 619.93 | -- | -- |
| MW-2A | 634.24 | 20.01 | 614.23 | 20.25 | 613.99 | 19.67 | 614.57 | 19.50 | 614.74 | -- | -- |
| MW-2B | 634.68 | 11.54 | 623.14 | 10.29 | 624.39 | 10.55 | 624.13 | 10.52 | 624.16 | -- | -- |
| MW-3 | 637.83 | 3.79 | 634.04 | -- | -- | -- | -- | 3.14 | 634.69 | 0.00 | 637.83 |
| MW-4 | 641.03 | 6.30 | 634.73 | 5.42 | 635.61 | 4.95 | 636.08 | 6.40 | 634.63 | 4.98 | 636.05 |
| MW-4A | 641.22 | 14.87 | 626.35 | 14.38 | 626.84 | 13.45 | 627.77 | 14.28 | 626.94 | 14.20 | 627.02 |
| MW-4B | 640.98 | 17.71 | 623.27 | 16.41 | 624.57 | 16.71 | 624.27 | 16.61 | 624.37 | 15.32 | 625.66 |
| MW-5 | 633.82 | 19.91 | 613.91 | 19.92 | 613.90 | 19.98 | 613.84 | 18.15 | 615.67 | 17.95 | 615.87 |
| MW-5A | 633.72 | 19.62 | 614.10 | 19.58 | 614.14 | 19.21 | 614.51 | 19.38 | 614.34 | 19.26 | 614.46 |
| MW-5B | 633.89 | 19.62 | 614.27 | 20.05 | 613.84 | 19.60 | 614.29 | 19.14 | 614.75 | 19.25 | 614.64 |
| MW-5C | 634.33 | 10.87 | 623.46 | 9.70 | 624.63 | 9.94 | 624.39 | 9.90 | 624.43 | 9.47 | 624.86 |
| MW-6 | 644.88 | 17.67 | 627.21 | 12.92 | 631.96 | 15.34 | 629.54 | 17.01 | 627.87 | 15.95 | 628.93 |
| MW-6A | 644.79 | 21.25 | 623.54 | 20.07 | 624.72 | 20.04 | 624.75 | 20.31 | 624.48 | 19.76 | 625.03 |
| MW-7 | 612.60 | 4.25 | 608.35 | 4.42 | 608.18 | -- | -- | -- | -- | -- | -- |
| MW-7A | 613.25 | Frozen | -- | Frozen | -- | 4.29 | 608.96 | 3.92 | 609.33 | 4.00 | 609.25 |
| MW-8 | 634.42 | 5.69 | 628.73 | 8.18 | 626.24 | 4.75 | 629.67 | 4.79 | 629.63 | 4.46 | 629.96 |
| MW-8A | 634.62 | 16.20 | 618.42 | 15.71 | 618.91 | 15.32 | 619.30 | 15.68 | 618.94 | 15.24 | 619.38 |
| MW-9 | 637.98 | 6.92 | 631.06 | -- | -- | 4.67 | 633.31 | 5.92 | 632.06 | -- | -- |
| MW-9A | 637.86 | 14.88 | 622.98 | 13.31 | 624.55 | 13.72 | 624.14 | 13.66 | 624.20 | 13.25 | 624.61 |
| MW-9B | 638.02 | 15.21 | 622.81 | 13.34 | 624.68 | 13.04 | 624.98 | 13.80 | 624.22 | 13.28 | 624.74 |
| MW-9C | 637.95 | 14.85 | 623.10 | 13.49 | 624.46 | 13.76 | 624.19 | 13.67 | 624.28 | 13.28 | 624.67 |
| MW-10 | 638.20 | 5.27 | 632.93 | 4.75 | 633.45 | 3.97 | 634.23 | 4.64 | 633.56 | 4.33 | 633.87 |
| MW-10A | 638.07 | 15.52 | 622.55 | 10.97 | 627.10 | 14.31 | 623.76 | 15.55 | 622.52 | 14.19 | 623.88 |
| MW-10B | 638.40 | 22.79 | 615.61 | 22.75 | 615.65 | 22.70 | 615.70 | 22.42 | 615.98 | 22.33 | 616.07 |
| MW-11 | 636.13 | 9.95 | 626.18 | -- | -- | 7.13 | 629.00 | 8.62 | 627.51 | 6.23 | 629.90 |

Notes: * Reference elevation surveyed by Dames & Moore

Table 2 (Page 2 of 2)
Summary of Groundwater Elevations
Northern States Power, Ashland, Wisconsin

| Well Location | Reference Elevation | Dec. 4, 2000 | | March 27, 2001 | | June 11, 2001 | | Sep. 10, 2001 | | Dec. 3, 2001 | |
|---------------|---------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|
| | | Depth to Water | Groundwater Elevations | Depth to Water | Groundwater Elevations | Depth to Water | Groundwater Elevations | Depth to Water | Groundwater Elevations | Depth to Water | Groundwater Elevations |
| TW-13 | 635.83 | 11.08 | 624.75 | 8.77 | 627.06 | 7.40 | 628.43 | 9.54 | 626.29 | 4.58 | 631.25 |
| MW-13A | 635.94 | 21.32 | 614.62 | 21.50 | 614.44 | 20.85 | 615.09 | 20.79 | 615.15 | 21.58 | 614.36 |
| MW-13B | 635.90 | 20.32 | 615.58 | -- | -- | 20.42 | 615.48 | 20.83 | 615.07 | 21.21 | 614.69 |
| MW-13C | 636.11 | 12.83 | 623.28 | 11.51 | 624.60 | 11.75 | 624.36 | 11.73 | 624.38 | 11.32 | 624.79 |
| MW-13D | 637.09 | 12.97 | 624.12 | 11.57 | 625.52 | 11.87 | 625.22 | 11.81 | 625.28 | 11.39 | 625.70 |
| MW-14 | 639.15 | -- | -- | 5.07 | 634.08 | 4.10 | 635.05 | 4.33 | 634.82 | 4.92 | 634.23 |
| MW-15 | 641.21 | 4.85 | 636.36 | 4.51 | 636.70 | 4.52 | 636.69 | 4.52 | 636.69 | 4.33 | 636.88 |
| MW-16 | 642.20 | 2.76 | 639.44 | -- | -- | 0.48 | 641.72 | 1.74 | 640.46 | 1.05 | 641.15 |
| MW-17 | 633.88 | 3.71 | 630.17 | 2.44 | 631.44 | 2.14 | 631.74 | 2.64 | 631.24 | -- | -- |
| MW-17A | 633.68 | 20.45 | 613.23 | 20.66 | 613.02 | 17.52 | 616.16 | 19.94 | 613.74 | -- | -- |
| MW-1(NET) | 608.40 | 8.21 | 600.19 | 8.66 | 599.74 | 7.26 | 601.14 | 7.30 | 601.10 | 7.47 | 600.93 |
| MW-2(NET) | 608.23 | 7.94 | 600.29 | 8.46 | 599.77 | 7.13 | 601.10 | 7.11 | 601.12 | 7.24 | 600.99 |
| MW-2A(NET) | 607.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2B(NET) | 608.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-3(NET) | 612.10 | 12.35 | 599.75 | 12.51 | 599.59 | 11.25 | 600.85 | 7.17 | 604.93 | 11.25 | 600.85 |
| TW-11 | 606.80 | 6.33 | 600.47 | -- | -- | 5.71 | 601.09 | 5.75 | 601.05 | 5.75 | 601.05 |
| TW-12 | 608.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Notes: * Reference elevation surveyed by Dames & Moore

Table 3
Summary of Free Phase Hydrocarbon Thickness
Northern States Power, Ashland, Wisconsin

| Well Location | Depth to Bottom | October 6, 1998 | | | November 23, 1998 | | | June 2, 1999 | | |
|---------------|-----------------|----------------------|--------------|--------------|----------------------|--------------|--------------|----------------------|--------------|--------------|
| | | Depth to Hydrocarbon | Feet in Well | Feet on Tape | Depth to Hydrocarbon | Feet in Well | Feet on Tape | Depth to Hydrocarbon | Feet in Well | Feet on Tape |
| EW-1 | 53.51 | 41.45 | 12.06 | 12.25 | 40.09 | 13.42 | 13.5 | 35.25 | 18.26 | 18.2 |
| MW-7 | 17.88 | (1) | (1) | 10.14 | (1) | (1) | 10.01 | (1) | (1) | 9.91 |
| MW-9 | 14.62 | 13.78 | 0.84 | 2.73 | 14.2 | 0.42 | 3.6 | 14.03 | 0.59 | -- |
| TW-13 | 14.82 | (2) | (2) | (2) | (2) | (2) | (2) | 18.10 | 0.31 | 2.2 |
| MW-13A | 45.33 | 43.22 | 2.11 | 4.73 | 43.36 | 1.97 | 3 | 43.37 | 1.96 | -- |
| MW-13B | 69.82 | 43.56 | 26.26 | 26.1 | 43.56 | 26.26 | 27.6 | 52.28 | 17.54 | -- |
| MW-15 | 15.59 | 14.78 | 0.81 | 2.94 | 13.93 | 1.66 | 2.09 | 13.26 | 2.33 | 2.6 |
| Well Location | Depth to Bottom | August 23, 1999 | | | November 29, 1999 | | | September 27, 2000 | | |
| | | Depth to Hydrocarbon | Feet in Well | Feet on Tape | Depth to Hydrocarbon | Feet in Well | Feet on Tape | Depth to Hydrocarbon | Feet in Well | Feet on Tape |
| EW-1 | 53.51 | 34.31 | 19.2 | | (2) | (2) | 16.2 | (2) | (2) | (2) |
| MW-7 | 17.88 | (1) | (1) | 10.44 | (2) | (2) | 0 | (2) | (2) | (2) |
| MW-9 | 14.62 | 13.02 | 1.6 | | (2) | (2) | <1 inch | (2) | (2) | (2) |
| TW-13 | 14.82 | (2) | < 6 inches | < 6 inches | (2) | (2) | <1 inch | 14.32 | 0.5 | 0.5 |
| MW-13A | 45.33 | (1) | (1) | 8.5 | (2) | (2) | 2.1 | 44.33 | 1.0 | 1.0 |
| MW-13B | 69.82 | (1) | (1) | 26 | (2) | (2) | 12.1 | 57.49 | 12.33 | 12.33 |
| MW-15 | 15.59 | (1) | (1) | 10.6 | (2) | (2) | 0.67 | (2) | (2) | (2) |
| Well Location | Depth to Bottom | December 4, 2000 | | | March 27, 2001 | | | June 11, 2001 | | |
| | | Depth to Hydrocarbon | Feet in Well | Feet on Tape | Depth to Hydrocarbon | Feet in Well | Feet on Tape | Depth to Hydrocarbon | Feet in Well | Feet on Tape |
| EW-1 | 53.51 | Not Measured | -- | -- | Not Measured | -- | -- | 47.51 | 6.00 | 6.00 |
| EW-2 | 50 | Not Measured | -- | -- | Not Measured | -- | -- | 40.5 | 9.50 | 9.50 |
| EW-3 | 70 | Not Measured | -- | -- | Not Measured | -- | -- | 68.58 | 1.42 | 1.42 |
| MW-2A | 44.41 | Not Measured | -- | -- | 41.66 | 2.75 | 2.75 | 40.37 | 4.04 | 4.04 |
| MW-7 | 17.88 | Frozen | -- | -- | Frozen | -- | -- | Not Measured | -- | -- |
| MW-9 | 14.62 | 14.5 | 0.1 | 0.1 | (2) | (2) | (2) | (2) | (2) | (2) |
| MW-10B | 34.91 | | | | 34.66 | 0.25 | 0.25 | 34.33 | 0.58 | 0.58 |
| TW-13 | 14.82 | 14.57 | 0.25 | 0.25 | 14.74 | 0.08 | 0.08 | (2) | (2) | (2) |
| MW-13A | 45.33 | 44.25 | 1.08 | 1.08 | 44.25 | 1.08 | 1.08 | 44.83 | 0.50 | 0.50 |
| MW-13B | 69.82 | 57.24 | 12.58 | 12.58 | 55.86 | 13.96 | 13.96 | 58.65 | 11.17 | 11.17 |
| MW-15 | 15.59 | 15.17 | 0.42 | 0.25 | 12.84 | 2.75 | 2.75 | 15.34 | 0.25 | 0.25 |
| Well Location | Depth to Bottom | September 10, 2001 | | | December 3, 2001 | | | Depth to Hydrocarbon | Feet in Well | Feet on Tape |
| | | Depth to Hydrocarbon | Feet in Well | Feet on Tape | Depth to Hydrocarbon | Feet in Well | Feet on Tape | | | |
| EW-1 | 53.51 | Not Measured | -- | -- | Not Measured | -- | -- | | | |
| EW-2 | 50 | Not Measured | -- | -- | Not Measured | -- | -- | | | |
| EW-3 | 70 | Not Measured | -- | -- | Not Measured | -- | -- | | | |
| MW-2A | 44.41 | 41.33 | 3.08 | 3.08 | Not Measured | -- | -- | | | |
| MW-7 | 17.88 | Not Measured | -- | -- | Not Measured | -- | -- | | | |
| MW-9 | 14.62 | Not Measured | -- | -- | Not Measured | -- | -- | | | |
| MW-10B | 34.91 | 34.41 | 0.5 | 0.5 | 34.58 | 0.33 | 0.33 | | | |
| TW-13 | 14.82 | (2) | (2) | (2) | 14.74 | 0.08 | 0.08 | | | |
| MW-13A | 45.33 | 43.83 | 0.58 | 0.58 | 43.91 | 0.5 | 0.5 | | | |
| MW-13B | 69.82 | 58.99 | 10.83 | 10.83 | 59.65 | 10.17 | 10.17 | | | |
| MW-15 | 15.59 | 15.26 | 0.33 | 0.33 | 15.34 | 0.25 | 0.25 | | | |

(1) Free-phase hydrocarbons not detected by interface probe; free-phase hydrocarbons observed on tape.

(2) Product not measured.

Hydrocarbon thickness in well is difference between depth to bottom and depth to hydrocarbon/water interface.

Hydrocarbon thickness on tape measure after probe removed from the well.

Table 4 (Page 1 of 2)
December 2001 Groundwater Monitoring Results - VOCs and Inorganics
Northern States Power, Ashland, Wisconsin

| Analyte | Units | MW-2A | MW-2B | MW-4A | MW-4B | MW-8A | MW-9A | PAL | ES |
|------------------------|-------|-------|-------|--------|---------|---------|---------|-------|--------|
| Inorganics | | | | | | | | | |
| Cyanide | mg/l | -- | -- | 0.053 | <0.0077 | <0.0077 | <0.0077 | 40 | 200 |
| VOCs | | | | | | | | | |
| Benzene | µg/L | -- | -- | 15,000 | 27 | 16,000 | 12 | 0.5 | 5 |
| n-Butylbenzene | µg/L | -- | -- | <220 | <0.44 | <220 | <0.44 | -- | -- |
| sec-Butylbenzene | µg/L | -- | -- | <220 | <0.45 | <220 | <0.45 | -- | -- |
| Ethylbenzene | µg/L | -- | -- | 2,200 | 0.56 | 540 | 3.4 | 140 | 700 |
| Isopropylbenzene | µg/L | -- | -- | <180 | <0.36 | <180 | <0.36 | -- | -- |
| p-Isopropyltoluene | µg/L | -- | -- | <180 | <0.35 | <180 | <0.35 | -- | -- |
| Naphthalene | µg/L | -- | -- | 9,700 | 2.7 | 340 | 37 | 8 | 40 |
| n-Propylbenzene | µg/L | -- | -- | <230 | <0.46 | <230 | <0.46 | -- | -- |
| Toluene | µg/L | -- | -- | 6,900 | 6.4 | 660 | 8.4 | 200 | 1,000 |
| 1,2,4-Trimethylbenzene | µg/L | -- | -- | 650 | <0.32 | <160 | 2.5 | 96 | 480 |
| 1,3,5-Trimethylbenzene | µg/L | -- | -- | <160 | <0.33 | <160 | 0.56 | | |
| Total Trimethylbenzene | µg/L | -- | -- | 650 | <0.32 | <160 | 3.06 | | |
| Xylene, Total | µg/L | -- | -- | 3,900 | 1.4 | 700 | 8.5 | 1,000 | 10,000 |
| Total VOCs | µg/L | 0 | 0 | 39,000 | 38.1 | 18,240 | 75.4 | | |

< - Less Than Limit of Detection
Concentrations exceeding the ES have been shaded

Table 4 (Page 2 of 2)
December 2001 Groundwater Monitoring Results - VOCs and Inorganics
Northern States Power, Ashland, Wisconsin

| Analyte | Units | MW-9B | MW-9C | MW-13A | MW-13C | MW-13D | Dec TB | PAL | ES |
|------------------------|-------|--------------|-------------|---------------|-------------|-------------|----------|-------|--------|
| Inorganics | | | | | | | | | |
| Cyanide | mg/l | 0.024 | <0.0077 | <0.0077 | <0.0077 | <0.0077 | -- | 40 | 200 |
| VOCs | | | | | | | | | |
| Benzene | µg/L | 3,600 | 0.66 | 33,000 | <0.31 | <0.31 | <0.31 | 0.5 | 5 |
| n-Butylbenzene | µg/L | <110 | <0.44 | <440 | <0.44 | <0.44 | <0.44 | -- | -- |
| sec-Butylbenzene | µg/L | <110 | <0.45 | <450 | <0.45 | <0.45 | <0.45 | -- | -- |
| Ethylbenzene | µg/L | 150 | <0.38 | 670 | <0.38 | <0.38 | <0.38 | 140 | 700 |
| Isopropylbenzene | µg/L | <90 | <0.36 | <360 | <0.36 | <0.36 | <0.36 | -- | -- |
| p-Isopropyltoluene | µg/L | <88 | <0.35 | <350 | <0.35 | <0.35 | <0.35 | -- | -- |
| Naphthalene | µg/L | 1,200 | <0.35 | 5,900 | 1.1 | 0.76 | <0.35 | 8 | 40 |
| n-Propylbenzene | µg/L | <120 | <0.46 | <460 | <0.46 | <0.46 | <0.46 | -- | -- |
| Toluene | µg/L | 950 | 1.7 | 16,000 | <0.39 | <0.39 | <0.39 | 200 | 1,000 |
| 1,2,4-Trimethylbenzene | µg/L | 98 | <0.32 | 560 | <0.32 | <0.32 | <0.32 | 96 | 480 |
| 1,3,5-Trimethylbenzene | µg/L | <82 | 0.43 | <330 | <0.33 | <0.33 | <0.33 | | |
| Total Trimethylbenzene | µg/L | 98 | 0.43 | 560 | <0.32 | <0.32 | <0.32 | | |
| Xylene, Total | µg/L | 520 | <1.1 | 3,600 | <1.1 | <1.1 | <1.1 | 1,000 | 10,000 |
| Total VOCs | µg/L | 6,616 | 3.2 | 60,290 | 1.10 | 0.76 | 0 | | |

< - Less Than Limit of Detection

TB - Trip Blank

Concentrations exceeding the ES have been shaded

Table 5 (Page 1 of 2)
December 2001 Groundwater Monitoring Results - SVOCs
Northern States Power, Ashland, Wisconsin

| Analyte | Units | MW-2A | MW-2B | MW-4A | MW-4B | MW-8A | PAL | ES |
|---------------------------|-------|-------|-------|--------|-------|---------|-------|-------|
| SVOCs | | | | | | | | |
| 2,4-Dimethylphenol | µg/L | -- | -- | 620 | <0.37 | 240 | -- | -- |
| 2-Methylphenol (o-Cresol) | µg/L | -- | -- | 410 | <1.5 | 630 | -- | -- |
| 4-Methylphenol (p-Cresol) | µg/L | -- | -- | 730 | <1.5 | 540 | -- | -- |
| Cresols, Total | µg/L | -- | -- | 1,100 | <1.5 | 1,200 | -- | -- |
| Phenol | µg/L | -- | -- | 360 | <1.6 | 240 | 1,200 | 6,000 |
| Acenaphthene | µg/L | -- | -- | 24 | <2.4 | <2.8 | -- | -- |
| Acenaphthylene | µg/L | -- | -- | 380 | <2.2 | <2.6 | -- | -- |
| Anthracene | µg/L | -- | -- | 6.0 | <2.2 | <2.6 | 600 | 3,000 |
| Benzo(a)anthracene | µg/L | -- | -- | <2.8 | <2.7 | <3.2 | -- | -- |
| Benzo(b)fluoranthene | µg/L | -- | -- | <2.6 | <2.6 | <3.0 | 0.02 | 0.2 |
| Benzo(k)fluoranthene | µg/L | -- | -- | <2.5 | <2.5 | <2.9 | -- | -- |
| Benzo(g,h,i)perylene | µg/L | -- | -- | <2.4 | <2.4 | <2.8 | -- | -- |
| Benzo(a)pyrene | µg/L | -- | -- | <2.4 | <2.4 | <2.8 | 0.02 | 0.2 |
| Benzyl Butyl Phthalate | µg/L | -- | -- | <3.4 | <3.3 | <3.9 | -- | -- |
| Chrysene | µg/L | -- | -- | <2.6 | <2.6 | <3.0 | 0.02 | 0.2 |
| Dibenzo(a,h,)anthracene | µg/L | -- | -- | <2.4 | <2.4 | <2.8 | 20 | 100 |
| Di-n-Butylphthalate | µg/L | -- | -- | 4.5 | 4.0 | 4.3 | -- | -- |
| Fluoranthene | µg/L | -- | -- | 2.9 | <2.5 | <2.9 | 80 | 400 |
| Fluorene | µg/L | -- | -- | 53 | <2.5 | <2.9 | 80 | 400 |
| Indeno(1,2,3-cd) Pyrene | µg/L | -- | -- | <2.4 | <2.4 | <2.8 | -- | -- |
| 2-Methylnaphthalene | µg/L | -- | -- | 1,500 | <2.4 | <2.8 | -- | -- |
| Naphthalene | µg/L | -- | -- | 9,300 | <2.5 | 30 | 8 | 40 |
| Phenanthrene | µg/L | -- | -- | 28 | <2.5 | <2.9 | -- | -- |
| Pyrene | µg/L | -- | -- | 3.4 | <2.5 | <2.9 | 50 | 250 |
| Total SVOCs | µg/L | 0 | 0 | 14,522 | 4.0 | 2,884.3 | | |

< - Less Than Limit of Detection
Concentrations exceeding the ES have been shaded

Table 5 (Page 2 of 2)
December 2001 Groundwater Monitoring Results - SVOCs
Northern States Power, Ashland, Wisconsin

| Analyte | Units | MW-9A | MW-9B | MW-9C | MW-13A | MW-13C | MW-13D | PAL | ES |
|---------------------------|-------|-------|---------|-------|--------|--------|--------|-------|-------|
| SVOCs | | | | | | | | | |
| 2,4-Dimethylphenol | µg/L | <0.40 | 80 | <0.36 | 2,700 | <0.37 | <0.36 | -- | -- |
| 2-Methylphenol (o-Cresol) | µg/L | <1.5 | 75 | <1.5 | 2,200 | <1.5 | <1.5 | | |
| 4-Methylphenol (p-Cresol) | µg/L | <1.6 | 75 | <1.5 | 3,200 | <1.5 | <1.5 | | |
| Cresols, Total | µg/L | <1.6 | 150 | <1.6 | 5,400 | <1.6 | <1.5 | -- | -- |
| Phenol | µg/L | <1.8 | 120 | <1.6 | 540 | <1.6 | <1.6 | 1,200 | 6,000 |
| Acenaphthene | µg/L | <2.5 | 28 | <2.3 | <23 | <2.4 | <2.3 | -- | -- |
| Acenaphthylene | µg/L | <2.3 | 110 | <2.1 | 370 | <2.2 | <2.1 | -- | -- |
| Anthracene | µg/L | <2.3 | 30 | <2.1 | <21 | <2.2 | <2.1 | 600 | 3,000 |
| Benzo(a)anthracene | µg/L | <2.9 | 11 | <2.6 | <27 | <2.7 | <2.6 | -- | -- |
| Benzo(b)fluoranthene | µg/L | <2.8 | 4.2 | <2.5 | <26 | <2.6 | <2.5 | 0.02 | 0.2 |
| Benzo(k)fluoranthene | µg/L | <2.6 | 5.5 | <2.4 | <24 | <2.5 | <2.4 | -- | -- |
| Benzo(g,h,i)perylene | µg/L | <2.5 | 3.2 | <2.3 | <23 | <2.4 | <2.3 | -- | -- |
| Benzo(a)pyrene | µg/L | <2.5 | 8.2 | <2.3 | <23 | <2.4 | <2.3 | 0.02 | 0.2 |
| Benzyl Butyl Phthalate | µg/L | <3.5 | <3.4 | <3.2 | <33 | <3.3 | <3.2 | -- | -- |
| Chrysene | µg/L | <2.8 | 9.5 | <2.5 | <26 | <2.6 | <2.5 | 0.02 | 0.2 |
| Dibenzo(a,h,)anthracene | µg/L | <2.5 | <2.5 | <2.3 | <23 | <2.4 | <2.3 | 20 | 100 |
| Di-n-Butylphthalate | µg/L | 5.5 | 4.7 | 4.8 | <33 | <3.3 | <3.2 | -- | -- |
| Fluoranthene | µg/L | 3.7 | 25 | <2.4 | <24 | <2.5 | <2.4 | 80 | 400 |
| Fluorene | µg/L | <2.6 | 68 | <2.4 | 48 | <2.5 | <2.4 | 80 | 400 |
| Indeno(1,2,3-cd) Pyrene | µg/L | <2.5 | 3.1 | <2.3 | <23 | <2.4 | <2.3 | -- | -- |
| 2-Methylnaphthalene | µg/L | <2.5 | 480 | <2.3 | 1,100 | 4.5 | <2.3 | -- | -- |
| Naphthalene | µg/L | <2.6 | 990 | <2.4 | 7,300 | 3.2 | <2.4 | 8 | 40 |
| Phenanthrene | µg/L | <2.6 | 84 | <2.4 | 44 | <2.5 | <2.4 | -- | -- |
| Pyrene | µg/L | 4.6 | 29 | <2.4 | <24 | <2.5 | <2.4 | 50 | 250 |
| Total SVOCs | µg/L | 13.8 | 2,393.4 | 4.8 | 22,902 | 7.7 | 0.0 | | |

< - Less Than Limit of Detection
Concentrations exceeding the ES have been shaded

**Table 6
Air Sampling and Testing Results**

| Sample Date | Total Elapsed Time (days) ¹ | Sample Type (Influent/Effluent) | Air Flow Rate (CFM) | Effluent Temp. (F) | Total Hydrocarbons (mg/m ³) ² | Benzene (mg/m ³) ² | Total Hydrocarbon Rate (lbs/day) ³ | Benzene Rate (lbs/day) ³ | Cummulative Mass of Hydrocarbons Removed by Carbon (lbs.) ⁴ | Cummulative Mass of Benzene Removed by Carbon (lbs.) ⁴ | Cummulative Mass of Hydrocarbons Emitted (lbs.) ⁴ | Cummulative Mass of Benzene Emitted (lbs.) ⁴ |
|-------------|--|---------------------------------|---------------------|--------------------|--|---|---|-------------------------------------|--|---|--|---|
| 9/28/2000 | 2 | Effluent | 176 | 70 | 5 | 3.33 | 0.08 | 0.05 | - | - | 0.2 | 0.1 |
| 1/19/2001 | 21 | Influent | 176 | - | 45.5 | 9.1 | 0.71 | 0.14 | 10.36 | 0.00 | | |
| 1/19/2001 | 21 | Effluent | 176 | 45 | 13.7 | 9.1 | 0.21 | 0.14 | | | 4.2 | 2.8 |
| 3/30/2001 | 84 | Influent | 176 | - | 71.7 | 26.3 | 1.11 | 0.41 | 50.73 | 18.08 | | |
| 3/30/2001 | 84 | Effluent | 176 | 52 | 30.4 | 7.8 | 0.47 | 0.12 | | | 33.9 | 10.4 |
| 4/11/2001 | 96 | Influent | 176 | - | 33 | 7.67 | 0.51 | 0.12 | 56.32 | 19.14 | | |
| 4/11/2001 | 96 | Effluent | 176 | 62 | 3 | 2 | 0.05 | 0.03 | | | 34.5 | 10.8 |
| 5/17/2001 | 110 | Effluent | 176 | 68 | 5 | 3.33 | 0.08 | 0.05 | | | 35.6 | 11.5 |
| 6/13/2001 | 125 | Effluent | 176 | 80 | 5 | 3.33 | 0.08 | 0.05 | | | 37.8 | 13.0 |
| 7/31/2001 | 135 | Effluent | 176 | 80 | 5 | 3.33 | 0.08 | 0.05 | | | 40.8 | 15.0 |
| 12/7/2001 | 196 | Influent | 176 | 35 | 60 | 10 | 0.93 | 0.16 | 116.90 | 26.49 | | |
| 12/7/2001 | 196 | Effluent | 176 | 35 | 5 | 3.33 | 0.08 | 0.05 | | | 47.5 | 19.5 |

(1) Total Elapsed Time, in days, only for days of remediation system operation, not days since start-up.

(2) When a below detection result occurs, the assumed value is half of the detection limit.

For the 1/19/01 sampling, the samples were incorrectly labeled: Drum #1 is influent to Drum #1, Drum #2 is influent to Drum #2, and Air Stripper is Air Effluent.

(3) Daily emission rate based on laboratory results.

(4) Emission rate to date calculated from average daily emission rate and total days of remediation system operation.

Table 7
Water Influent/Effluent Sampling and Testing Results

| Sample Date | Total Elapsed Time (days) ¹ | Sample Type | Cummulative Volume of Treated Effluent (gal.) | VOCs (ug/L) ² | Benzene (ug/L) ² | Cummulative Mass of VOCs Removed (lbs.) ³ | Cummulative Mass of Benzene Removed (lbs.) ³ | Cummulative Mass of VOCs Discharged (lbs.) ⁴ | Cummulative Mass of Benzene Discharged (lbs.) ⁴ |
|-------------|--|-----------------------|---|--------------------------|-----------------------------|--|---|---|--|
| 10/5/2000 | 9 | Influent ⁵ | | 121,985 | 60,000 | | | | |
| 10/5/2000 | 9 | Effluent | 10,592 | 12.9 | 0.94 | 10.8 | 5.3 | 0.00114 | 0.00008 |
| 1/19/2001 | 21 | Inlet ⁶ | | 859.5 | 90.4 | | | | |
| 1/19/2001 | 21 | Mid Carbon | | 17.3 | 0.62 | | | | |
| 1/19/2001 | 21 | Effluent | 17,346 | 16.6 | 0.7 | 17.7 | 8.7 | 0.00208 | 0.00012 |
| 3/30/2001 | 84 | Inlet ⁶ | | 1,120.60 | 140 | | | | |
| 3/30/2001 | 84 | Effluent | 44,613 | 14.45 | 0.05 | 45.6 | 22.4 | 0.00520 | 0.00024 |
| 4/11/2001 | 96 | Influent ⁵ | | 100,629 | 46,000 | | | | |
| 4/11/2001 | 96 | Inlet ⁶ | | 557.5 | 110 | | | | |
| 4/11/2001 | 96 | Mid Carbon | | 50.73 | 5.1 | | | | |
| 4/11/2001 | 96 | Effluent | 54,636 | 13.79 | 0.94 | 54.0 | 26.3 | 0.00636 | 0.00031 |
| 5/17/2001 | 110 | Effluent | 58,967 | 23.46 | 1.3 | 57.6 | 27.9 | 0.00721 | 0.00036 |
| 6/13/2001 | 125 | Effluent | 61,094 | 7.74 | 0.05 | 59.4 | 28.8 | 0.00735 | 0.00036 |
| 7/13/2001 | 135 | Influent ⁵ | | 97,450 | 51,000 | | | | |
| 7/31/2001 | 135 | Effluent | 65,758 | 12.36 | 0.05 | 63.2 | 30.7 | 0.00783 | 0.00036 |
| 9/20/2001 | 157 | Influent ⁵ | | 113,925 | 58,000 | | | | |
| 9/20/2001 | 157 | Inlet ⁶ | | 3205 | 1100 | | | | |
| 9/20/2001 | 157 | Effluent | 91,894 | 19.23 | 0.05 | 88.2 | 43.4 | 0.01204 | 0.00038 |
| 12/7/2001 | 196 | Influent ⁵ | | 101,620 | 52,000 | | | | |
| 12/7/2001 | 196 | Inlet ⁶ | | 4153.5 | 530 | | | | |
| 12/7/2001 | 196 | Effluent | 136,300 | 9.835 | 0.05 | 125.9 | 62.8 | 0.01570 | 0.00039 |

- (1) Total Elapsed Time, in days, only for days of remediation system operation, not days since start-up.
- (2) When a below detection result occurs, the assumed value is half of the detection limit.
- (3) Removal based on Influent vs. Effluent
- (4) Emission rate to date calculated from average concentrations in effluent and total days of remediation system operation.
- (5) This sample was collected at the oil-water separator discharge, prior to the air diffuser.
- (6) This sample was collected at the inlet to the liquid phase carbon.

Table 8
Volume Of Coal Tar Removed and Volume of Groundwater Treated

| Date | Cumulative Volume of Coal Tar Removed (pounds) | Cumulative Volume of Groundwater Removed (gallons) |
|-------------|---|---|
| 2/20/2001 | 4,853 | 22,826 |
| 3/30/2001 | 7,443 | 44,613 |
| 4/26/2001 | 8,014 | 56,978 |
| 5/17/2001 | 9,442 | 58,967 |
| 6/11/2001 | 11,307 | 61,094 |
| 7/31/2001 | 13,444 | 65,758 |
| 8/15/2001 | 13,819 | |
| 9/12/2001 | | 81,524 |
| 9/28/2001 | 15,674 | 104,500 |
| 11/12/2001* | 21,773 | 104,900 |
| 11/13/2001 | 22,344 | 106,200 |
| 11/14/2001 | 22,415 | 107,600 |
| 11/19/2001 | 22,772 | 114,200 |
| 11/28/2001 | 23,486 | 125,200 |
| 12/3/2001 | 24,342 | 131,500 |
| 12/12/2001 | 25,199 | 142,300 |
| 12/19/2001 | 26,055 | 155,328 |
| 1/3/2002 | 27,197 | 172,000 |
| | | |

* Increase in coal tar removal w/ no change in groundwater removal volume due to coal tar collection tank and wash tank being pumped out and shipped to WRR in Eau Claire, WI. Total volume of 1324 gallons, w/ a current estimate of 85% coal tar in that volume.

APPENDICIES

Appendix A
Well Abandonment Forms For Wells
MW-2, MW-2A, and MW=2B

Notice: Please complete Form 3300-5P and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other

| | | | |
|---|--|--|--|
| (1) GENERAL INFORMATION | | (2) FACILITY/OWNER INFORMATION | |
| WI Unique Well No. | DNR Well ID No. <u>MW-2</u> | County <u>Ashland</u> | Facility Name <u>NSP- Xcel Energy</u> |
| Common Well Name _____ Gov't Lot (if applicable) _____ | | Facility ID <u>MW-2</u> | License/Permit/Monitoring No. _____ |
| Grid Location <u>SW 14 of NW 14 of Sec. 33 ; T. 48 N.; R. 4</u> | | Street Address of Well <u>301 Lake Shore Drive East</u> | |
| City, Village, or Town <u>Ashland WI 54806</u> | | Present Well Owner <u>Xcel</u> | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> | | Original Owner <u>SAMC</u> | |
| Lat. _____ Long. _____ | | Street Address or Route of Owner <u>301 Lake Shore Drive East</u> | |
| St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone | | City, State, Zip Code <u>Ashland WI 54806</u> | |
| Reason For Abandonment <u>Well damaged</u> | WI Unique Well No. of Replacement Well _____ | | |

| | | | |
|--|--|--|---|
| (3) WELL/DRILLHOLE/BOREHOLE INFORMATION | | (4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL | |
| Original Construction Date <u>9-27-95</u> | If a Well Construction Report is available, please attach. | Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable | |
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | Screen Removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Total Well Depth (ft.) <u>20</u> Casing Diameter (in.) <u>2</u> | | Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| (From ground surface) Casing Depth (ft.) <u>20</u> | | Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Lower Drillhole Diameter (in.) <u>NA</u> | | Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Was Well Annular Space Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| If Yes, To What Depth? <u>8</u> Feet | | Required Method of Placing Sealing Material | |
| Depth to Water (Feet) <u>20</u> | | <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped | |
| | | <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain) | |
| | | Sealing Materials | For monitoring wells and monitoring well boreholes only |
| | | <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips |
| | | <input type="checkbox"/> Sand-Cement (Concrete) Grout | <input checked="" type="checkbox"/> Granular Bentonite |
| | | <input type="checkbox"/> Concrete | <input type="checkbox"/> Bentonite - Cement Grout |
| | | <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) | <input type="checkbox"/> Bentonite - Sand Slurry |
| | | <input type="checkbox"/> Bentonite-Sand Slurry " " | |
| | | <input type="checkbox"/> Bentonite Chips | |

| (5) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume | (Circle One) | Mix Ratio or Mud Weight |
|--|----------------|-----------|------------------------------------|--------------|-------------------------|
| <u>Bentonite</u> | <u>Surface</u> | <u>20</u> | <u>15</u> | | <u>lbs.</u> |
| | | | | | |
| | | | | | |

(6) Comments: well damaged during clay tile investigation

| | | |
|--|--|---|
| (7) Name of Person or Firm Doing Sealing Work <u>Mark McGloch - URS</u> | | Date of Abandonment <u>9-20-01</u> |
| Signature of Person Doing Work <u>Mark L. McGloch</u> | | Date Signed <u>9-21-01</u> |
| Street or Route <u>5250 E. Terrace Dr.</u> | | Telephone Number <u>(608) 244-5656</u> |
| City, State, Zip Code <u>Madison, WI 53718</u> | | |

| FOR DNR OR COUNTY USE ONLY | |
|----------------------------|----------|
| Date Received | Noted By |
| Comments | |

Notice: Please complete Form 3300-5P and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 283, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

| | | | |
|--|------------------------------|---|---------------------------------------|
| (1) GENERAL INFORMATION | | (2) FACILITY/OWNER INFORMATION | |
| WI Unique Well No. _____ | DNR Well ID No. <u>MW-2A</u> | County <u>Ashland</u> | Facility Name <u>NSP- Xcel Energy</u> |
| Common Well Name _____ Gov't Lot (If applicable) _____ | | Facility ID <u>MW-2A</u> | License/Permit/Monitoring No. _____ |
| Grid Location <u>SW 1/4 of NW 1/4 of Sec. 33 ; T. 48 N.; R. 4</u> | | Street Address of Well <u>301 Lake Shore Drive East</u> | |
| _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W. | | City, Village, or Town <u>Ashland WI 54806</u> | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> | | Present Well Owner <u>Xcel</u> | |
| Lat. _____ Long. _____ | | Original Owner <u>same</u> | |
| St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone | | Street Address or Route of Owner <u>301 Lake Shore Drive East</u> | |
| Reason For Abandonment <u>Well damaged</u> | | City, State, Zip Code <u>Ashland WI 54806</u> | |
| WI Unique Well No. of Replacement Well _____ | | | |

| | | | |
|--|--|--|--|
| (3) WELL/DRILLHOLE/BOREHOLE INFORMATION | | (4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL | |
| Original Construction Date <u>6-7-00</u> | | Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable | |
| <input checked="" type="checkbox"/> Monitoring Well | | Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable | |
| <input type="checkbox"/> Water Well | | Screen Removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable | |
| <input type="checkbox"/> Borehole / Drillhole | | Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| If a Well Construction Report is available, please attach. | | Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Construction Type: | | Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug | | Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| <input type="checkbox"/> Other (Specify) _____ | | If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Formation Type: | | Required Method of Placing Sealing Material | |
| <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | <input checked="" type="checkbox"/> Conductor Pipe Gravity <input type="checkbox"/> Conductor Pipe-Pumped | |
| Total Well Depth (ft.) <u>45</u> Casing Diameter (in.) <u>2</u> | | <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain) _____ | |
| (From ground surface) Casing Depth (ft.) <u>45</u> | | Sealing Materials | |
| Lower Drillhole Diameter (in.) <u>NA</u> | | <input type="checkbox"/> Neat Cement Grout | |
| Was Well Annular Space Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | <input type="checkbox"/> Sand-Cement (Concrete) Grout | |
| If Yes, To What Depth? <u>36</u> Feet | | <input type="checkbox"/> Concrete | |
| Depth to Water (Feet) <u>45</u> | | <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) | |
| | | <input type="checkbox"/> Bentonite-Sand Slurry " " | |
| | | <input type="checkbox"/> Bentonite Chips | |
| | | For monitoring wells and monitoring well boreholes only | |
| | | <input type="checkbox"/> Bentonite Chips | |
| | | <input checked="" type="checkbox"/> Granular Bentonite | |
| | | <input type="checkbox"/> Bentonite - Cement Grout | |
| | | <input type="checkbox"/> Bentonite - Sand Slurry | |

| (5) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|--|----------------|-----------|---|-------------------------|
| <u>Bentonite</u> | <u>Surface</u> | <u>45</u> | <u>35</u> | <u>lbs.</u> |
| | | | | |
| | | | | |

(6) Comments: well damaged during day tile investigation

| | | |
|---|--|--|
| (7) Name of Person or Firm Doing Sealing Work <u>Mark McGoiloch - URS</u> | | Date of Abandonment <u>9-20-01</u> |
| Signature of Person Doing Work <u>Mark L. McGoiloch</u> | | Date Signed <u>9-21-01</u> |
| Street or Route <u>5250 E. Terrace Dr.</u> | | Telephone Number <u>(608) 244-5656</u> |
| City, State, Zip Code <u>Madison, WI 53718</u> | | |

| FOR DNR OR COUNTY USE ONLY | |
|----------------------------|----------------|
| Date Received _____ | Noted By _____ |
| Comments _____ | |

Notice: Please complete Form 3300-5P and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other

| | | | |
|--|---------------------------------|--|--|
| (1) GENERAL INFORMATION | | (2) FACILITY/OWNER INFORMATION | |
| WI Unique Well No. | DNR Well ID No. <u>MW-2B</u> | County <u>Ashland</u> | Facility Name <u>NSP- Xcel Energy</u> |
| Common Well Name _____ Gov't Lot (if applicable) _____ | | Facility ID <u>MW-2B</u> | License/Permit/Monitoring No. _____ |
| Grid Location <u>SW 1/4 of NW 1/4 of Sec. 33 ; T. 48 N; R. 4</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Street Address of Well <u>301 Lake Shore Drive East</u> | |
| _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W. | | City, Village, or Town <u>Ashland WI 54806</u> | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> | | Present Well Owner <u>Xcel</u> | |
| Lat. _____ Long _____ or _____ | | Original Owner <u>SAME</u> | |
| St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone | | Street Address or Route of Owner <u>301 Lake Shore Drive East</u> | |
| Reason For Abandonment <u>Well damaged</u> | | City, State, Zip Code <u>Ashland WI 54806</u> | |
| WI Unique Well No. of Replacement Well _____ | | | |

| | | | |
|--|--|---|--|
| (3) WELL/DRILLHOLE/BOREHOLE INFORMATION | | (4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL | |
| Original Construction Date <u>6-8-00</u> | | Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable | |
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | Screen Removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Total Well Depth (ft.) <u>70</u> Casing Diameter (in.) <u>2</u> | | Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| (From ground surface) Casing Depth (ft.) <u>70</u> | | Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Lower Drillhole Diameter (in.) <u>NA</u> | | Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Was Well Annular Space Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| If Yes, To What Depth? <u>61</u> Feet | | Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain) _____ | |
| Depth to Water (Feet) <u>70</u> | | Sealing Materials | |
| | | <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Bentonite Chips | |
| | | For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Chips <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Bentonite - Sand Slurry | |

| (5) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume | (Circle One) | Mix Ratio or Mud Weight |
|--|----------------|-----------|------------------------------------|--------------|-------------------------|
| <u>Bentonite</u> | <u>Surface</u> | <u>70</u> | <u>50</u> | <u>1</u> | <u>lbs.</u> |
| | | | | | |
| | | | | | |

(6) Comments: well damaged during day file investigation

| | | |
|--|--|---|
| (7) Name of Person or Firm Doing Sealing Work <u>Mark McGloch - UPS</u> | | Date of Abandonment <u>9-20-01</u> |
| Signature of Person Doing Work <u>Mark L McGloch</u> | | Date Signed <u>9-21-01</u> |
| Street or Route <u>5250 E. Terrace Dr.</u> | | Telephone Number <u>(608) 244-5656</u> |
| City, State, Zip Code <u>Madison, WI 53718</u> | | |

| FOR DNR OR COUNTY USE ONLY | |
|----------------------------|----------------|
| Date Received _____ | Noted By _____ |
| Comments _____ | |

Appendix B
Laboratory Reports
December 2001 Groundwater Sample Results

ANALYTICAL REPORT

JAN 19 2002

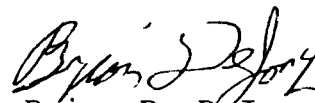
MARK

Mr. Dave Trainor
URS CORPORATION
5250 E. Terrace Drive
Suite I
Madison, WI 53718

01/17/2002
Job No: 01.09963
Page 1 of 29

The following samples were received by TestAmerica for analysis:

| Sample Number | Sample Description | Date Taken | Date Received |
|---------------|--------------------------|------------|---------------|
| 462466 | MW-4A 05644-098 NSP | 12/04/2001 | 12/06/2001 |
| 462467 | MW-4B 05644-098 NSP | 12/04/2001 | 12/06/2001 |
| 462468 | MW-8A 05644-098 NSP | 12/04/2001 | 12/06/2001 |
| 462469 | MW-9A 05644-098 NSP | 12/04/2001 | 12/06/2001 |
| 462470 | MW-9B 05644-098 NSP | 12/04/2001 | 12/06/2001 |
| 462471 | MW-9C 05644-098 NSP | 12/04/2001 | 12/06/2001 |
| 462472 | MW-13A 05644-098 NSP | 12/05/2001 | 12/06/2001 |
| 462473 | MW-13C 05644-098 NSP | 12/05/2001 | 12/06/2001 |
| 462474 | MW-13D 05644-098 NSP | 12/05/2001 | 12/06/2001 |
| 462475 | Trip Blank 05644-098 NSP | 12/05/2001 | 12/06/2001 |



Brian D. DeJong
Organic Operations Manager

KW

KEY TO DATA FLAGS

The attached sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- A = Analyzed/extracted past hold time
- B = Blank is contaminated
- C = Standard outside of control limits
- D = Diluted for analysis
- E = TCLP extraction outside of method required temperature range
- F = Sample filtered in lab
- G = Received past hold time
- H = Late eluting hydrocarbons present
- I = Improperly handled sample
- J = Estimated concentration
- L = Common lab solvent and contaminant
- M = Matrix interference
- P = Improperly preserved sample
- Q = Result confirmed via re-analysis
- S = Sediment present
- T = Does not match typical pattern
- W = BOD re-set due to missed dilution
- X = Unidentified compound(s) present
- Z = Internal standard outside limits
- * = See Case Narrative

KEY TO ANALYST INITIALS

The attached sample(s) may have been analyzed by another certified laboratory. If a number appears in the Analyst Initials field, the following are the appropriate certifications (if the lab code does not appear below, that means that WDNR certification is not required for the work performed):

| Lab Code | Certification Number |
|----------|--|
| 008 | WDNR - 999766900 |
| 009 | WDNR - 241293690 |
| 060 | ILNELAC - 100221; WDNR - 999447130 |
| 070 | IA - 007; MDH - 019-999-319; WDNR - 999917270 |
| 130 | WDNR - 632021390 |
| 147 | WDNR - 721026460 |
| 300 | FLNELAC - 87358; IA - 131; MDH - 047-999-345; WDNR - 998020430 |
| 400 | WDNR - 113133790 |
| 510 | WDNR - 241249360 |
| 700 | WDNR - 113289110 |

TestAmerica Watertown IDNR ID - 294; MDH ID - 055-999-366

For questions regarding this report, please contact Dan Milewsky or Warren Topel.

ANALYTICAL REPORT

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

01/17/2002
 Job No: 01.09963
 Sample No: 462466
 Account No: 53498
 Page 3 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-4A 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 08:40

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | 0.053 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | 070 | | |
| 2,4-Dimethylphenol | 620 | ug/L | 0.36 | 1.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 2-Methylphenol (o-Cresol) | 410 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 4-Methylphenol (p-Cresol) | 730 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Cresols, Total | 1,100 | ug/L | 1.5 | 5.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Phenol | 360 | ug/L | 1.6 | 5.5 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: Phenol-d6 | 37.6 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2-Fluorophenol | 46.1 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2,4,6-Tribromophenol | 96.2 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | 070 | | |
| Acenaphthene | 24 | ug/L | 2.3 | 8.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Acenaphthylene | 380 | ug/L | 2.1 | 7.5 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Anthracene | 6.0 | ug/L | 2.1 | 7.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)anthracene | <2.8 | ug/L | 2.6 | 9.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(b)fluoranthene | <2.6 | ug/L | 2.5 | 8.9 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(k)fluoranthene | <2.5 | ug/L | 2.4 | 8.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(g,h,i)perylene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)pyrene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzyl butyl phthalate | <3.4 | ug/L | 3.2 | 11 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Chrysene | <2.6 | ug/L | 2.5 | 9.0 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Dibenzo(a,h)anthracene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Di-n-butyl phthalate | 4.5 | ug/L | 3.2 | 12 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluoranthene | 2.9 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluorene | 53 | ug/L | 2.4 | 8.7 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Indeno(1,2,3-cd)pyrene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| 2-Methylnaphthalene | 1,500 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Naphthalene | 9,300 | ug/L | 2.4 | 8.6 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Phenanthrene | 28 | ug/L | 2.4 | 8.4 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Pyrene | 3.4 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Nitrobenzene-d5 | 84.6 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: 2-Fluorobiphenyl | 74.1 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Terphenyl-d14 | 68.7 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 15,000 | ug/L | 0.31 | 0.98 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Butylbenzene | <220 | ug/L | 0.44 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| sec-Butylbenzene | <220 | ug/L | 0.45 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Ethylbenzene | 2,200 | ug/L | 0.38 | 1.2 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462466
 Account No: 53498
 Page 4 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-4A 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 08:40

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|------|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <180 | ug/L | 0.36 | 1.1 | SW 8260B | 12/11/2001 | aba | | 1886 |
| p-Isopropyltoluene | <180 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | | 1886 |
| Naphthalene | 9,700 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | | 1886 |
| n-Propylbenzene | <230 | ug/L | 0.46 | 1.5 | SW 8260B | 12/11/2001 | aba | | 1886 |
| Toluene | 6,900 | ug/L | 0.39 | 1.3 | SW 8260B | 12/11/2001 | aba | | 1886 |
| 1,2,4-Trimethylbenzene | 650 | ug/L | 0.32 | 1.0 | SW 8260B | 12/11/2001 | aba | | 1886 |
| 1,3,5-Trimethylbenzene | <160 | ug/L | 0.33 | 1.0 | SW 8260B | 12/11/2001 | aba | | 1886 |
| Xylenes, Total | 3,900 | ug/L | 1.1 | 3.6 | SW 8260B | 12/11/2001 | aba | | 1886 |
| Surr: Dibromofluoromethane | 98.6 | ‡ | | 87-121 | SW 8260B | 12/11/2001 | aba | | 1886 |
| Surr: Toluene-d8 | 101.4 | ‡ | | 92-107 | SW 8260B | 12/11/2001 | aba | | 1886 |
| Surr: Bromofluorobenzene | 101.4 | ‡ | | 89-109 | SW 8260B | 12/11/2001 | aba | | 1886 |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462467
 Account No: 53498
 Page 5 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-4B 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 08:55

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | <0.0077 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | 070 | | |
| 2,4-Dimethylphenol | <0.37 | ug/L | 0.36 | 1.3 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| 2-Methylphenol (o-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| 4-Methylphenol (p-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Cresols, Total | <1.5 | ug/L | 1.5 | 5.3 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Phenol | <1.6 | ug/L | 1.6 | 5.5 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: Phenol-d6 | 34.0 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2-Fluorophenol | 49.6 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2,4,6-Tribromophenol | 98.1 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | 070 | | |
| Acenaphthene | <2.4 | ug/L | 2.3 | 8.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Acenaphthylene | <2.2 | ug/L | 2.1 | 7.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Anthracene | <2.2 | ug/L | 2.1 | 7.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)anthracene | <2.7 | ug/L | 2.6 | 9.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(b)fluoranthene | <2.6 | ug/L | 2.5 | 8.9 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(k)fluoranthene | <2.5 | ug/L | 2.4 | 8.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(g,h,i)perylene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)pyrene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzyl butyl phthalate | <3.3 | ug/L | 3.2 | 11 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Chrysene | <2.6 | ug/L | 2.5 | 9.0 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Dibenzo(a,h)anthracene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Di-n-butyl phthalate | 4.0 | ug/L | 3.2 | 12 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluoranthene | <2.5 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluorene | <2.5 | ug/L | 2.4 | 8.7 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Indeno(1,2,3-cd)pyrene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| 2-Methylnaphthalene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Naphthalene | <2.5 | ug/L | 2.4 | 8.6 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Phenanthrene | <2.5 | ug/L | 2.4 | 8.4 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Pyrene | <2.5 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Nitrobenzene-d5 | 70.2 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: 2-Fluorobiphenyl | 67.7 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Terphenyl-d14 | 86.4 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 27 | ug/L | 0.31 | 0.98 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Butylbenzene | <0.44 | ug/L | 0.44 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| sec-Butylbenzene | <0.45 | ug/L | 0.45 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Ethylbenzene | 0.56 | ug/L | 0.38 | 1.2 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462467
 Account No: 53498
 Page 6 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-4B 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 08:55

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|--|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <0.36 | ug/L | 0.36 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| p-Isopropyltoluene | <0.35 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Naphthalene | 2.7 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Propylbenzene | <0.46 | ug/L | 0.46 | 1.5 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Toluene | 6.4 | ug/L | 0.39 | 1.3 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,2,4-Trimethylbenzene | <0.32 | ug/L | 0.32 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,3,5-Trimethylbenzene | <0.33 | ug/L | 0.33 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Xylenes, Total | 1.4 | ug/L | 1.1 | 3.6 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Dibromofluoromethane | 101.2 | % | | 87-121 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Toluene-d8 | 100.8 | % | | 92-107 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Bromofluorobenzene | 101.6 | % | | 89-109 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462468
 Account No: 53498
 Page 7 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-8A 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 08:00

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | <0.0077 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | 070 | | |
| 2,4-Dimethylphenol | 240 | ug/L | 0.36 | 1.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 2-Methylphenol (o-Cresol) | 630 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 4-Methylphenol (p-Cresol) | 540 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Cresols, Total | 1,200 | ug/L | 1.5 | 5.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Phenol | 240 | ug/L | 1.6 | 5.5 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: Phenol-d6 | 34.7 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2-Fluorophenol | 52.9 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2,4,6-Tribromophenol | 88.7 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| BASE/NEUTRALS - 8270 AQUEOUS | M | | | | | | 070 | | |
| Acenaphthene | <2.8 | ug/L | 2.3 | 8.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Acenaphthylene | <2.6 | ug/L | 2.1 | 7.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Anthracene | <2.6 | ug/L | 2.1 | 7.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)anthracene | <3.2 | ug/L | 2.6 | 9.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(b)fluoranthene | <3.0 | ug/L | 2.5 | 8.9 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(k)fluoranthene | <2.9 | ug/L | 2.4 | 8.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(g,h,i)perylene | <2.8 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)pyrene | <2.8 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzyl butyl phthalate | <3.9 | ug/L | 3.2 | 11 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Chrysene | <3.0 | ug/L | 2.5 | 9.0 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Dibenzo(a,h)anthracene | <2.8 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Di-n-butyl phthalate | 4.3 | ug/L | 3.2 | 12 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluoranthene | <2.9 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluorene | <2.9 | ug/L | 2.4 | 8.7 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Indeno(1,2,3-cd)pyrene | <2.8 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| 2-Methylnaphthalene | <2.8 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Naphthalene | 30 | ug/L | 2.4 | 8.6 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Phenanthrene | <2.9 | ug/L | 2.4 | 8.4 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Pyrene | <2.9 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Nitrobenzene-d5 | 64.8 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: 2-Fluorobiphenyl | 70.7 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Terphenyl-d14 | 71.2 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 16,000 | ug/L | 0.31 | 0.98 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Butylbenzene | <220 | ug/L | 0.44 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| sec-Butylbenzene | <220 | ug/L | 0.45 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Ethylbenzene | 540 | ug/L | 0.38 | 1.2 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462468
 Account No: 53498
 Page 8 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-8A 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 08:00

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|--|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <180 | ug/L | 0.36 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| p-Isopropyltoluene | <180 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Naphthalene | 340 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Propylbenzene | <230 | ug/L | 0.46 | 1.5 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Toluene | 660 | ug/L | 0.39 | 1.3 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,2,4-Trimethylbenzene | <160 | ug/L | 0.32 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,3,5-Trimethylbenzene | <160 | ug/L | 0.33 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Xylenes, Total | 700 | ug/L | 1.1 | 3.6 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Dibromofluoromethane | 100.8 | % | | 87-121 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Toluene-d8 | 102.2 | % | | 92-107 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Bromofluorobenzene | 101.8 | % | | 89-109 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462469
 Account No: 53498
 Page 9 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-9A 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 13:10

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | <0.0077 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | 070 | | |
| 2,4-Dimethylphenol | <0.40 | ug/L | 0.36 | 1.3 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| 2-Methylphenol (o-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| 4-Methylphenol (p-Cresol) | <1.6 | ug/L | 1.5 | 5.4 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Cresols, Total | <1.6 | ug/L | 1.5 | 5.3 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Phenol | <1.8 | ug/L | 1.6 | 5.5 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: Phenol-d6 | 36.2 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2-Fluorophenol | 51.2 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2,4,6-Tribromophenol | 105.0 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | 070 | | |
| Acenaphthene | <2.5 | ug/L | 2.3 | 8.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Acenaphthylene | <2.3 | ug/L | 2.1 | 7.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Anthracene | <2.3 | ug/L | 2.1 | 7.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)anthracene | <2.9 | ug/L | 2.6 | 9.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(b)fluoranthene | <2.8 | ug/L | 2.5 | 8.9 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(k)fluoranthene | <2.6 | ug/L | 2.4 | 8.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(g,h,i)perylene | <2.5 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)pyrene | <2.5 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzyl butyl phthalate | <3.5 | ug/L | 3.2 | 11 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Chrysene | <2.8 | ug/L | 2.5 | 9.0 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Dibenzo(a,h)anthracene | <2.5 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Di-n-butyl phthalate | 5.5 | ug/L | 3.2 | 12 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluoranthene | 3.7 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluorene | <2.6 | ug/L | 2.4 | 8.7 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Indeno(1,2,3-cd)pyrene | <2.5 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| 2-Methylnaphthalene | <2.5 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Naphthalene | <2.6 | ug/L | 2.4 | 8.6 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Phenanthrene | <2.6 | ug/L | 2.4 | 8.4 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Pyrene | 4.6 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Nitrobenzene-d5 | 61.9 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: 2-Fluorobiphenyl | 62.0 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Terphenyl-d14 | 76.4 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 12 | ug/L | 0.31 | 0.98 | SW 8260B | 12/12/2001 | aba | 1891 | |
| n-Butylbenzene | <0.44 | ug/L | 0.44 | 1.4 | SW 8260B | 12/12/2001 | aba | 1891 | |
| sec-Butylbenzene | <0.45 | ug/L | 0.45 | 1.4 | SW 8260B | 12/12/2001 | aba | 1891 | |
| Ethylbenzene | 3.4 | ug/L | 0.38 | 1.2 | SW 8260B | 12/12/2001 | aba | 1891 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462469
 Account No: 53498
 Page 10 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-9A 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 13:10

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|--|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <0.36 | ug/L | 0.36 | 1.1 | SW 8260B | 12/12/2001 | aba | 1891 | |
| p-Isopropyltoluene | <0.35 | ug/L | 0.35 | 1.1 | SW 8260B | 12/12/2001 | aba | 1891 | |
| Naphthalene | 37 | ug/L | 0.35 | 1.1 | SW 8260B | 12/12/2001 | aba | 1891 | |
| n-Propylbenzene | <0.46 | ug/L | 0.46 | 1.5 | SW 8260B | 12/12/2001 | aba | 1891 | |
| Toluene | 8.4 | ug/L | 0.39 | 1.3 | SW 8260B | 12/12/2001 | aba | 1891 | |
| 1,2,4-Trimethylbenzene | 2.5 | ug/L | 0.32 | 1.0 | SW 8260B | 12/12/2001 | aba | 1891 | |
| 1,3,5-Trimethylbenzene | 0.56 | ug/L | 0.33 | 1.0 | SW 8260B | 12/12/2001 | aba | 1891 | |
| Xylenes, Total | 8.5 | ug/L | 1.1 | 3.6 | SW 8260B | 12/12/2001 | aba | 1891 | |
| Surr: Dibromofluoromethane | 102.6 | ‡ | | 87-121 | SW 8260B | 12/12/2001 | aba | 1891 | |
| Surr: Toluene-d8 | 100.6 | ‡ | | 92-107 | SW 8260B | 12/12/2001 | aba | 1891 | |
| Surr: Bromofluorobenzene | 101.0 | ‡ | | 89-109 | SW 8260B | 12/12/2001 | aba | 1891 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462470
 Account No: 53498
 Page 11 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-9B 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 14:20

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | 0.024 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | 070 | | |
| 2,4-Dimethylphenol | 80 | ug/L | 0.36 | 1.3 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| 2-Methylphenol (o-Cresol) | 75 | ug/L | 1.5 | 5.4 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| 4-Methylphenol (p-Cresol) | 75 | ug/L | 1.5 | 5.4 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Cresols, Total | 150 | ug/L | 1.5 | 5.3 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Phenol | 120 | ug/L | 1.6 | 5.5 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: Phenol-d6 | 40.1 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2-Fluorophenol | 60.2 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2,4,6-Tribromophenol | 108.0 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | 070 | | |
| Acenaphthene | 28 | ug/L | 2.3 | 8.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Acenaphthylene | 110 | ug/L | 2.1 | 7.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Anthracene | 30 | ug/L | 2.1 | 7.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)anthracene | 11 | ug/L | 2.6 | 9.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(b)fluoranthene | 4.2 | ug/L | 2.5 | 8.9 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(k)fluoranthene | 5.5 | ug/L | 2.4 | 8.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(g,h,i)perylene | 3.2 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)pyrene | 8.2 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzyl butyl phthalate | <3.4 | ug/L | 3.2 | 11 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Chrysene | 9.5 | ug/L | 2.5 | 9.0 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Dibenzo(a,h)anthracene | <2.5 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Di-n-butyl phthalate | 4.7 | ug/L | 3.2 | 12 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluoranthene | 25 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluorene | 68 | ug/L | 2.4 | 8.7 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Indeno(1,2,3-cd)pyrene | 3.1 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| 2-Methylnaphthalene | 480 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Naphthalene | 990 | ug/L | 2.4 | 8.6 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Phenanthrene | 84 | ug/L | 2.4 | 8.4 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Pyrene | 29 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Nitrobenzene-d5 | 79.8 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: 2-Fluorobiphenyl | 83.3 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Terphenyl-d14 | 81.9 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 3,600 | ug/L | 0.31 | 0.98 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Butylbenzene | <110 | ug/L | 0.44 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| sec-Butylbenzene | <110 | ug/L | 0.45 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Ethylbenzene | 150 | ug/L | 0.38 | 1.2 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462470
 Account No: 53498
 Page 12 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-9B 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 14:20

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|--|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <90 | ug/L | 0.36 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| p-Isopropyltoluene | <88 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Naphthalene | 1,200 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Propylbenzene | <120 | ug/L | 0.46 | 1.5 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Toluene | 950 | ug/L | 0.39 | 1.3 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,2,4-Trimethylbenzene | 98 | ug/L | 0.32 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,3,5-Trimethylbenzene | <82 | ug/L | 0.33 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Xylenes, Total | 520 | ug/L | 1.1 | 3.6 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Dibromofluoromethane | 97.2 | % | | 87-121 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Toluene-d8 | 101.8 | % | | 92-107 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Bromofluorobenzene | 96.4 | % | | 89-109 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462471
 Account No: 53498
 Page 13 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-9C 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 13:20

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | <0.0077 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | 070 | | |
| 2,4-Dimethylphenol | <0.36 | ug/L | 0.36 | 1.3 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| 2-Methylphenol (o-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| 4-Methylphenol (p-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Cresols, Total | <1.5 | ug/L | 1.5 | 5.3 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Phenol | <1.6 | ug/L | 1.6 | 5.5 | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: Phenol-d6 | 35.1 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2-Fluorophenol | 51.8 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| Surr: 2,4,6-Tribromophenol | 102.0 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 862 |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | 070 | | |
| Acenaphthene | <2.3 | ug/L | 2.3 | 8.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Acenaphthylene | <2.1 | ug/L | 2.1 | 7.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Anthracene | <2.1 | ug/L | 2.1 | 7.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)anthracene | <2.6 | ug/L | 2.6 | 9.2 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(b)fluoranthene | <2.5 | ug/L | 2.5 | 8.9 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(k)fluoranthene | <2.4 | ug/L | 2.4 | 8.5 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(g,h,i)perylene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzo(a)pyrene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Benzyl butyl phthalate | <3.2 | ug/L | 3.2 | 11 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Chrysene | <2.5 | ug/L | 2.5 | 9.0 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Dibenzo(a,h)anthracene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Di-n-butyl phthalate | 4.8 | ug/L | 3.2 | 12 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluoranthene | <2.4 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Fluorene | <2.4 | ug/L | 2.4 | 8.7 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Indeno(1,2,3-cd)pyrene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| 2-Methylnaphthalene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Naphthalene | <2.4 | ug/L | 2.4 | 8.6 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Phenanthrene | <2.4 | ug/L | 2.4 | 8.4 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Pyrene | <2.4 | ug/L | 2.4 | 8.3 | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Nitrobenzene-d5 | 70.1 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: 2-Fluorobiphenyl | 70.8 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| Surr: Terphenyl-d14 | 72.9 | ‰ | n/a | n/a | SW 8270B | 12/26/2001 | 070 | 156 | 757 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 0.66 | ug/L | 0.31 | 0.98 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Butylbenzene | <0.44 | ug/L | 0.44 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| sec-Butylbenzene | <0.45 | ug/L | 0.45 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Ethylbenzene | <0.38 | ug/L | 0.38 | 1.2 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462471
 Account No: 53498
 Page 14 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-9C 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 13:20

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Isopropylbenzene | <0.36 | ug/L | 0.36 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| p-Isopropyltoluene | <0.35 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| Naphthalene | <0.35 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| n-Propylbenzene | <0.46 | ug/L | 0.46 | 1.5 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| Toluene | 1.7 | ug/L | 0.39 | 1.3 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| 1,2,4-Trimethylbenzene | <0.32 | ug/L | 0.32 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| 1,3,5-Trimethylbenzene | 0.43 | ug/L | 0.33 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| Xylenes, Total | <1.1 | ug/L | 1.1 | 3.6 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| Surr: Dibromofluoromethane | 102.0 | % | | 87-121 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| Surr: Toluene-d8 | 101.6 | % | | 92-107 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |
| Surr: Bromofluorobenzene | 102.4 | % | | 89-109 | SW 8260B | 12/11/2001 | aba | 1886 | 1886 |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462472
 Account No: 53498
 Page 15 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-13A 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 08:50

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | <0.0077 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | 070 | | |
| 2,4-Dimethylphenol | 2,700 | ug/L | 0.36 | 1.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 2-Methylphenol (o-Cresol) | 2,200 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 4-Methylphenol (p-Cresol) | 3,200 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Cresols, Total | 5,400 | ug/L | 1.5 | 5.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Phenol | 540 | ug/L | 1.6 | 5.5 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: Phenol-d6 | 41.2 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: 2-Fluorophenol | 56.2 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: 2,4,6-Tribromophenol | 99.4 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | 070 | | |
| Acenaphthene | <23 | ug/L | 2.3 | 8.2 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Acenaphthylene | 370 | ug/L | 2.1 | 7.5 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Anthracene | <21 | ug/L | 2.1 | 7.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(a)anthracene | <27 | ug/L | 2.6 | 9.2 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(b)fluoranthene | <26 | ug/L | 2.5 | 8.9 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(k)fluoranthene | <24 | ug/L | 2.4 | 8.5 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(g,h,i)perylene | <23 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(a)pyrene | <23 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzyl butyl phthalate | <33 | ug/L | 3.2 | 11 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Chrysene | <26 | ug/L | 2.5 | 9.0 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Dibenzo(a,h)anthracene | <23 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Di-n-butyl phthalate | <33 | ug/L | 3.2 | 12 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Fluoranthene | <24 | ug/L | 2.4 | 8.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Fluorene | 48 | ug/L | 2.4 | 8.7 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Indeno(1,2,3-cd)pyrene | <23 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| 2-Methylnaphthalene | 1,100 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Naphthalene | 7,300 | ug/L | 2.4 | 8.6 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Phenanthrene | 44 | ug/L | 2.4 | 8.4 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Pyrene | <24 | ug/L | 2.4 | 8.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: Nitrobenzene-d5 | 87.9 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: 2-Fluorobiphenyl | 88.1 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: Terphenyl-d14 | 79.1 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 33,000 | ug/L | 0.31 | 0.98 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Butylbenzene | <440 | ug/L | 0.44 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| sec-Butylbenzene | <450 | ug/L | 0.45 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Ethylbenzene | 670 | ug/L | 0.38 | 1.2 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

01/17/2002
 Job No: 01.09963
 Sample No: 462472
 Account No: 53498
 Page 16 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-13A 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 08:50

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|--|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <360 | ug/L | 0.36 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| p-Isopropyltoluene | <350 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Naphthalene | 5,900 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Propylbenzene | <460 | ug/L | 0.46 | 1.5 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Toluene | 16,000 | ug/L | 0.39 | 1.3 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,2,4-Trimethylbenzene | 560 | ug/L | 0.32 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,3,5-Trimethylbenzene | <330 | ug/L | 0.33 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Xylenes, Total | 3,600 | ug/L | 1.1 | 3.6 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Dibromofluoromethane | 102.0 | μ | | 87-121 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Toluene-d8 | 100.8 | μ | | 92-107 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Bromofluorobenzene | 102.0 | μ | | 89-109 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

Mr. Dave Trainor
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 Suite I
 Madison, WI 53718

01/17/2002
 Job No: 01.09963
 Sample No: 462473
 Account No: 53498
 Page 17 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-13C 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 09:40

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | <0.0077 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | M | | | | | | 070 | | |
| 2,4-Dimethylphenol | <0.37 | ug/L | 0.36 | 1.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 2-Methylphenol (o-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 4-Methylphenol (p-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Cresols, Total | <1.5 | ug/L | 1.5 | 5.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Phenol | <1.6 | ug/L | 1.6 | 5.5 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: Phenol-d6 | 35.1 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: 2-Fluorophenol | 52.3 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: 2,4,6-Tribromophenol | 91.5 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| BASE/NEUTRALS - 8270 AQUEOUS | M | | | | | | 070 | | |
| Acenaphthene | <2.4 | ug/L | 2.3 | 8.2 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Acenaphthylene | <2.2 | ug/L | 2.1 | 7.5 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Anthracene | <2.2 | ug/L | 2.1 | 7.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(a)anthracene | <2.7 | ug/L | 2.6 | 9.2 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(b)fluoranthene | <2.6 | ug/L | 2.5 | 8.9 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(k)fluoranthene | <2.5 | ug/L | 2.4 | 8.5 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(g,h,i)perylene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(a)pyrene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzyl butyl phthalate | <3.3 | ug/L | 3.2 | 11 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Chrysene | <2.6 | ug/L | 2.5 | 9.0 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Dibenzo(a,h)anthracene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Di-n-butyl phthalate | <3.3 | ug/L | 3.2 | 12 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Fluoranthene | <2.5 | ug/L | 2.4 | 8.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Fluorene | <2.5 | ug/L | 2.4 | 8.7 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Indeno(1,2,3-cd)pyrene | <2.4 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| 2-Methylnaphthalene | 4.5 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Naphthalene | 3.2 | ug/L | 2.4 | 8.6 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Phenanthrene | <2.5 | ug/L | 2.4 | 8.4 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Pyrene | <2.5 | ug/L | 2.4 | 8.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: Nitrobenzene-d5 | 82.8 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: 2-Fluorobiphenyl | 75.9 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: Terphenyl-d14 | 91.0 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | <0.31 | ug/L | 0.31 | 0.98 | SW 8260B | 12/12/2001 | aba | 1891 | |
| n-Butylbenzene | <0.44 | ug/L | 0.44 | 1.4 | SW 8260B | 12/12/2001 | aba | 1891 | |
| sec-Butylbenzene | <0.45 | ug/L | 0.45 | 1.4 | SW 8260B | 12/12/2001 | aba | 1891 | |
| Ethylbenzene | <0.38 | ug/L | 0.38 | 1.2 | SW 8260B | 12/12/2001 | aba | 1891 | |

ANALYTICAL REPORT

Mr. Dave Trainor
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 Madison, WI 53718

01/17/2002
 Job No: 01.09963
 Sample No: 462473
 Account No: 53498
 Page 18 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-13C 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 09:40

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Isopropylbenzene | <0.36 | ug/L | 0.36 | 1.1 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| p-Isopropyltoluene | <0.35 | ug/L | 0.35 | 1.1 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| Naphthalene | 1.1 | ug/L | 0.35 | 1.1 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| n-Propylbenzene | <0.46 | ug/L | 0.46 | 1.5 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| Toluene | <0.39 | ug/L | 0.39 | 1.3 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| 1,2,4-Trimethylbenzene | <0.32 | ug/L | 0.32 | 1.0 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| 1,3,5-Trimethylbenzene | <0.33 | ug/L | 0.33 | 1.0 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| Xylenes, Total | <1.1 | ug/L | 1.1 | 3.6 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| Surr: Dibromofluoromethane | 103.2 | % | | 87-121 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| Surr: Toluene-d8 | 98.6 | % | | 92-107 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |
| Surr: Bromofluorobenzene | 101.4 | % | | 89-109 | SW 8260B | 12/12/2001 | aba | 1891 | 1891 |

ANALYTICAL REPORT

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01/17/2002
 Job No: 01.09963
 Sample No: 462474
 Account No: 53498
 Page 19 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-13D 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 09:10

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|------------------------------|----------|-------|--------|-------|-----------|------------|---------|----------|-------|
| | | | | | | Analyzed | Analyst | Batch | Batch |
| Cyanide, total | <0.0077 | mg/L | 0.0077 | 0.027 | EPA 335.4 | 12/12/2001 | tds | 550 | 505 |
| PREP, BNA AQUEOUS | Complete | | | | SW 3510C | 12/11/2001 | 070 | 156 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | 070 | | |
| 2,4-Dimethylphenol | <0.36 | ug/L | 0.36 | 1.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 2-Methylphenol (o-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| 4-Methylphenol (p-Cresol) | <1.5 | ug/L | 1.5 | 5.4 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Cresols, Total | <1.5 | ug/L | 1.5 | 5.3 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Phenol | <1.6 | ug/L | 1.6 | 5.5 | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: Phenol-d6 | 30.6 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: 2-Fluorophenol | 43.8 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| Surr: 2,4,6-Tribromophenol | 77.3 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 863 |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | 070 | | |
| Acenaphthene | <2.3 | ug/L | 2.3 | 8.2 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Acenaphthylene | <2.1 | ug/L | 2.1 | 7.5 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Anthracene | <2.1 | ug/L | 2.1 | 7.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(a)anthracene | <2.6 | ug/L | 2.6 | 9.2 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(b)fluoranthene | <2.5 | ug/L | 2.5 | 8.9 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(k)fluoranthene | <2.4 | ug/L | 2.4 | 8.5 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(g,h,i)perylene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzo(a)pyrene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Benzyl butyl phthalate | <3.2 | ug/L | 3.2 | 11 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Chrysene | <2.5 | ug/L | 2.5 | 9.0 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Dibenzo(a,h)anthracene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Di-n-butyl phthalate | <3.2 | ug/L | 3.2 | 12 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Fluoranthene | <2.4 | ug/L | 2.4 | 8.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Fluorene | <2.4 | ug/L | 2.4 | 8.7 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Indeno(1,2,3-cd)pyrene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| 2-Methylnaphthalene | <2.3 | ug/L | 2.3 | 8.1 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Naphthalene | <2.4 | ug/L | 2.4 | 8.6 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Phenanthrene | <2.4 | ug/L | 2.4 | 8.4 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Pyrene | <2.4 | ug/L | 2.4 | 8.3 | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: Nitrobenzene-d5 | 71.9 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: 2-Fluorobiphenyl | 65.1 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| Surr: Terphenyl-d14 | 83.0 | ‰ | n/a | n/a | SW 8270B | 01/02/2002 | 070 | 156 | 758 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | <0.31 | ug/L | 0.31 | 0.98 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Butylbenzene | <0.44 | ug/L | 0.44 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| sec-Butylbenzene | <0.45 | ug/L | 0.45 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Ethylbenzene | <0.38 | ug/L | 0.38 | 1.2 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

Mr. Dave Trainor
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 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

01/17/2002
 Job No: 01.09963
 Sample No: 462474
 Account No: 53498
 Page 20 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: MW-13D 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 09:10

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|--|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <0.36 | ug/L | 0.36 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| p-Isopropyltoluene | <0.35 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Naphthalene | 0.76 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 | |
| n-Propylbenzene | <0.46 | ug/L | 0.46 | 1.5 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Toluene | <0.39 | ug/L | 0.39 | 1.3 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,2,4-Trimethylbenzene | <0.32 | ug/L | 0.32 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| 1,3,5-Trimethylbenzene | <0.33 | ug/L | 0.33 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Xylenes, Total | <1.1 | ug/L | 1.1 | 3.6 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Dibromofluoromethane | 101.6 | ‡ | | 87-121 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Toluene-d8 | 100.0 | ‡ | | 92-107 | SW 8260B | 12/11/2001 | aba | 1886 | |
| Surr: Bromofluorobenzene | 101.4 | ‡ | | 89-109 | SW 8260B | 12/11/2001 | aba | 1886 | |

ANALYTICAL REPORT

Mr. Dave Trainor
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 Madison, WI 53718

01/17/2002
 Job No: 01.09963
 Sample No: 462475
 Account No: 53498
 Page 21 of 29

JOB DESCRIPTION: 05644-098 NSP
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: Trip Blank 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 UNKNOWN

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|
| | | | | | | Analyzed | Analyst | Batch |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | |
| Benzene | <0.31 | ug/L | 0.31 | 0.98 | SW 8260B | 12/11/2001 | aba | 1886 |
| n-Butylbenzene | <0.44 | ug/L | 0.44 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 |
| sec-Butylbenzene | <0.45 | ug/L | 0.45 | 1.4 | SW 8260B | 12/11/2001 | aba | 1886 |
| Ethylbenzene | <0.38 | ug/L | 0.38 | 1.2 | SW 8260B | 12/11/2001 | aba | 1886 |
| Isopropylbenzene | <0.36 | ug/L | 0.36 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 |
| p-Isopropyltoluene | <0.35 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 |
| Naphthalene | <0.35 | ug/L | 0.35 | 1.1 | SW 8260B | 12/11/2001 | aba | 1886 |
| n-Propylbenzene | <0.46 | ug/L | 0.46 | 1.5 | SW 8260B | 12/11/2001 | aba | 1886 |
| Toluene | <0.39 | ug/L | 0.39 | 1.3 | SW 8260B | 12/11/2001 | aba | 1886 |
| 1,2,4-Trimethylbenzene | <0.32 | ug/L | 0.32 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 |
| 1,3,5-Trimethylbenzene | <0.33 | ug/L | 0.33 | 1.0 | SW 8260B | 12/11/2001 | aba | 1886 |
| Xylenes, Total | <1.1 | ug/L | 1.1 | 3.6 | SW 8260B | 12/11/2001 | aba | 1886 |
| Surr: Dibromofluoromethane | 102.8 | % | | 87-121 | SW 8260B | 12/11/2001 | aba | 1886 |
| Surr: Toluene-d8 | 100.2 | % | | 92-107 | SW 8260B | 12/11/2001 | aba | 1886 |
| Surr: Bromofluorobenzene | 102.2 | % | | 89-109 | SW 8260B | 12/11/2001 | aba | 1886 |

QUALITY CONTROL REPORT CONTINUING CALIBRATION VERIFICATION

01/17/2002

Mr. Dave Trainor
URS CORPORATION
5250 E. Terrace Drive
Suite I
Madison, WI 53718

Job No: 01.09963
Account No: 53498

Page 22 of 29

Job Description: 05644-098 NSP

| Parameter | Run Batch | True Value | Observed Value | Percent Recovery | Control Limits |
|------------------------------|--------------|---------------|-------------------|---------------------|-------------------|
| Cyanide, total | 505 | 0.250 | 0.261 | 104.4 | 90 - 110 |
| Cyanide, total | 505 | 0.250 | 0.257 | 102.8 | 90 - 110 |
| ACID CMPDS - 8270 AQUEOUS | | | | | |
| Phenol | 862 | 50.0 | 52.3 | 104.6 | |
| Surr: Phenol-d6 | 862 | 100 | 105.0 | 105.0 | 70 - 130 |
| Surr: 2-Fluorophenol | 862 | 100 | 104.0 | 104.0 | 70 - 130 |
| Surr: 2,4,6-Tribromophenol | 862 | 100 | 105.0 | 105.0 | 70 - 130 |
| ACID CMPDS - 8270 AQUEOUS | | | | | |
| Phenol | 863 | 50.0 | 52.3 | 104.6 | |
| Surr: Phenol-d6 | 863 | 100 | 107.0 | 107.0 | 70 - 130 |
| Surr: 2-Fluorophenol | 863 | 100 | 102.0 | 102.0 | 70 - 130 |
| Surr: 2,4,6-Tribromophenol | 863 | 100 | 115.0 | 115.0 | 70 - 130 |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | |
| Acenaphthene | 758 | 50.0 | 51.7 | 103.4 | |
| Pyrene | 758 | 50.0 | 50.3 | 100.6 | |
| Surr: Nitrobenzene-d5 | 758 | 100 | 113.0 | 113.0 | |
| Surr: 2-Fluorobiphenyl | 758 | 100 | 101.0 | 101.0 | |
| Surr: Terphenyl-d14 | 758 | 100 | 101.0 | 101.0 | |
| VOC - AQUEOUS - EPA 8260B | | | | | |
| Benzene | 1886 | 50.0 | 46.2 | 92.4 | |
| Ethylbenzene | 1886 | 50.0 | 47.2 | 94.4 | 80 - 120 |
| Toluene | 1886 | 50.0 | 45.5 | 91.0 | 80 - 120 |
| 1,2,4-Trimethylbenzene | 1886 | 50.0 | 48.8 | 97.6 | |
| 1,3,5-Trimethylbenzene | 1886 | 50.0 | 48.1 | 96.2 | |
| Xylenes, Total | 1886 | 150 | 139 | 92.7 | |
| Surr: Dibromofluoromethane | 1886 | 50.0 | 50.6 | 101.2 | 87 - 116 |
| Surr: Toluene-d8 | 1886 | 50.0 | 48.4 | 96.8 | 89 - 109 |
| Surr: Bromofluorobenzene | 1886 | 50.0 | 50.1 | 100.2 | 87 - 112 |
| VOC - AQUEOUS - EPA 8260B | | | | | |
| Benzene | 1891 | 50.0 | 46.4 | 92.8 | |
| Ethylbenzene | 1891 | 50.0 | 47.6 | 95.2 | 80 - 120 |
| Toluene | 1891 | 50.0 | 46.7 | 93.4 | 80 - 120 |
| 1,2,4-Trimethylbenzene | 1891 | 50.0 | 44.3 | 88.6 | |
| 1,3,5-Trimethylbenzene | 1891 | 50.0 | 45.9 | 91.8 | |
| Xylenes, Total | 1891 | 150 | 142 | 94.7 | |
| Surr: Dibromofluoromethane | 1891 | 50.0 | 50.0 | 100.0 | 87 - 116 |
| Surr: Toluene-d8 | 1891 | 50.0 | 49.6 | 99.2 | 89 - 109 |
| Surr: Bromofluorobenzene | 1891 | 50.0 | 52.0 | 104.0 | 87 - 112 |

QUALITY CONTROL REPORT

BLANKS

01/17/2002

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

Job No: 01.09963
 Account No: 53498

Page 23 of 29

Job Description: 05644-098 NSP

| Parameter | Prep Batch | Run Batch | Blank Result | MDL | LOQ | Units |
|------------------------------|------------|-----------|--------------|--------|-------|-------|
| Cyanide, total | 550 | 505 | <0.0077 | 0.0077 | 0.027 | mg/L |
| ACID CMPDS - 8270 AQUEOUS | | | | | | |
| 2,4-Dimethylphenol | | 862 | <0.36 | 0.36 | 1.3 | ug/L |
| Cresols, Total | | 862 | <1.5 | 1.5 | 5.3 | ug/L |
| Phenol | | 862 | <1.6 | 1.6 | 5.5 | ug/L |
| Surr: Phenol-d6 | | 862 | 36.4 | n/a | n/a | % |
| Surr: 2-Fluorophenol | | 862 | 58.3 | n/a | n/a | % |
| Surr: 2,4,6-Tribromophenol | | 862 | 87.2 | n/a | n/a | % |
| ACID CMPDS - 8270 AQUEOUS | | | | | | |
| 2,4-Dimethylphenol | | 863 | <0.36 | 0.36 | 1.3 | ug/L |
| Cresols, Total | | 863 | <1.5 | 1.5 | 5.3 | ug/L |
| Phenol | | 863 | <1.6 | 1.6 | 5.5 | ug/L |
| Surr: Phenol-d6 | | 863 | 36.2 | n/a | n/a | % |
| Surr: 2-Fluorophenol | | 863 | 53.8 | n/a | n/a | % |
| Surr: 2,4,6-Tribromophenol | | 863 | 92.5 | n/a | n/a | % |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | |
| Acenaphthene | | 757 | <2.3 | 2.3 | 8.2 | ug/L |
| Acenaphthylene | | 757 | <2.1 | 2.1 | 7.5 | ug/L |
| Anthracene | | 757 | <2.1 | 2.1 | 7.3 | ug/L |
| Benzo(a)anthracene | | 757 | <2.6 | 2.6 | 9.2 | ug/L |
| Benzo(b)fluoranthene | | 757 | <2.5 | 2.5 | 8.9 | ug/L |
| Benzo(k)fluoranthene | | 757 | <2.4 | 2.4 | 8.5 | ug/L |
| Benzo(g,h,i)perylene | | 757 | <2.3 | 2.3 | 8.1 | ug/L |
| Benzo(a)pyrene | | 757 | <2.3 | 2.3 | 8.1 | ug/L |
| Benzyl butyl phthalate | | 757 | <3.2 | 3.2 | 11 | ug/L |
| Chrysene | | 757 | <2.5 | 2.5 | 9.0 | ug/L |
| Dibenzo(a,h)anthracene | | 757 | <2.3 | 2.3 | 8.1 | ug/L |
| Di-n-butyl phthalate | | 757 | <3.2 | 3.2 | 12 | ug/L |
| Fluoranthene | | 757 | <2.4 | 2.4 | 8.3 | ug/L |
| Fluorene | | 757 | <2.4 | 2.4 | 8.7 | ug/L |
| Indeno(1,2,3-cd)pyrene | | 757 | <2.3 | 2.3 | 8.1 | ug/L |
| 2-Methylnaphthalene | | 757 | <2.3 | 2.3 | 8.1 | ug/L |
| Naphthalene | | 757 | <2.4 | 2.4 | 8.6 | ug/L |
| Phenanthrene | | 757 | <2.4 | 2.4 | 8.4 | ug/L |
| Pyrene | | 757 | <2.4 | 2.4 | 8.3 | ug/L |
| Surr: Nitrobenzene-d5 | | 757 | 87.6 | n/a | n/a | % |
| Surr: 2-Fluorobiphenyl | | 757 | 84.4 | n/a | n/a | % |

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

01/17/2002

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

Job No: 01.09963
 Account No: 53498

Page 24 of 29

Job Description: 05644-098 NSP

| Parameter | Prep Batch | Run Batch | Blank Result | MDL | LOQ | Units |
|------------------------------|------------|-----------|--------------|------|------|-------|
| Surr: Terphenyl-d14 | | 757 | 97.9 | n/a | n/a | % |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | |
| Acenaphthene | | 758 | <2.3 | 2.3 | 8.2 | ug/L |
| Acenaphthylene | | 758 | <2.1 | 2.1 | 7.5 | ug/L |
| Anthracene | | 758 | <2.1 | 2.1 | 7.3 | ug/L |
| Benzo (a) anthracene | | 758 | <2.6 | 2.6 | 9.2 | ug/L |
| Benzo (b) fluoranthene | | 758 | <2.5 | 2.5 | 8.9 | ug/L |
| Benzo (k) fluoranthene | | 758 | <2.4 | 2.4 | 8.5 | ug/L |
| Benzo (g, h, i) perylene | | 758 | <2.3 | 2.3 | 8.1 | ug/L |
| Benzo (a) pyrene | | 758 | <2.3 | 2.3 | 8.1 | ug/L |
| Benzyl butyl phthalate | | 758 | <3.2 | 3.2 | 11 | ug/L |
| Chrysene | | 758 | <2.5 | 2.5 | 9.0 | ug/L |
| Dibenzo (a, h) anthracene | | 758 | <2.3 | 2.3 | 8.1 | ug/L |
| Di-n-butyl phthalate | | 758 | <3.2 | 3.2 | 12 | ug/L |
| Fluoranthene | | 758 | <2.4 | 2.4 | 8.3 | ug/L |
| Fluorene | | 758 | <2.4 | 2.4 | 8.7 | ug/L |
| Indeno (1, 2, 3-cd) pyrene | | 758 | <2.3 | 2.3 | 8.1 | ug/L |
| 2-Methylnaphthalene | | 758 | <2.3 | 2.3 | 8.1 | ug/L |
| Naphthalene | | 758 | <2.4 | 2.4 | 8.6 | ug/L |
| Phenanthrene | | 758 | <2.4 | 2.4 | 8.4 | ug/L |
| Pyrene | | 758 | <2.4 | 2.4 | 8.3 | ug/L |
| Surr: Nitrobenzene-d5 | | 758 | 93.0 | n/a | n/a | % |
| Surr: 2-Fluorobiphenyl | | 758 | 81.2 | n/a | n/a | % |
| Surr: Terphenyl-d14 | | 758 | 98.5 | n/a | n/a | % |
| VOC - AQUEOUS - EPA 8260B | | | | | | |
| Benzene | | 1886 | <0.31 | 0.31 | 0.98 | ug/L |
| n-Butylbenzene | | 1886 | <0.44 | 0.44 | 1.4 | ug/L |
| sec-Butylbenzene | | 1886 | <0.45 | 0.45 | 1.4 | ug/L |
| Ethylbenzene | | 1886 | <0.38 | 0.38 | 1.2 | ug/L |
| Isopropylbenzene | | 1886 | <0.36 | 0.36 | 1.1 | ug/L |
| p-Isopropyltoluene | | 1886 | <0.35 | 0.35 | 1.1 | ug/L |
| Naphthalene | | 1886 | <0.35 | 0.35 | 1.1 | ug/L |
| n-Propylbenzene | | 1886 | <0.46 | 0.46 | 1.5 | ug/L |
| Toluene | | 1886 | <0.39 | 0.39 | 1.3 | ug/L |
| 1,2,4-Trimethylbenzene | | 1886 | <0.32 | 0.32 | 1.0 | ug/L |
| 1,3,5-Trimethylbenzene | | 1886 | <0.33 | 0.33 | 1.0 | ug/L |
| Xylenes, Total | | 1886 | <1.1 | 1.1 | 3.6 | ug/L |

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

01/17/2002

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

Job No: 01.09963
 Account No: 53498

Page 25 of 29

Job Description: 05644-098 NSP

| Parameter | Prep Batch | Run Batch | Blank Result | MDL | LOQ | Units |
|----------------------------|------------|-----------|--------------|------|--------|-------|
| Surr: Dibromofluoromethane | | 1886 | 100.4 | | 87-121 | % |
| Surr: Toluene-d8 | | 1886 | 99.6 | | 92-107 | % |
| Surr: Bromofluorobenzene | | 1886 | 99.0 | | 89-109 | % |
| VOC - AQUEOUS - EPA 8260B | | | | | | |
| Benzene | | 1891 | <0.31 | 0.31 | 0.98 | ug/L |
| n-Butylbenzene | | 1891 | <0.44 | 0.44 | 1.4 | ug/L |
| sec-Butylbenzene | | 1891 | <0.45 | 0.45 | 1.4 | ug/L |
| Ethylbenzene | | 1891 | <0.38 | 0.38 | 1.2 | ug/L |
| Isopropylbenzene | | 1891 | <0.36 | 0.36 | 1.1 | ug/L |
| p-Isopropyltoluene | | 1891 | <0.35 | 0.35 | 1.1 | ug/L |
| Naphthalene | | 1891 | <0.35 | 0.35 | 1.1 | ug/L |
| n-Propylbenzene | | 1891 | <0.46 | 0.46 | 1.5 | ug/L |
| Toluene | | 1891 | <0.39 | 0.39 | 1.3 | ug/L |
| 1,2,4-Trimethylbenzene | | 1891 | <0.32 | 0.32 | 1.0 | ug/L |
| 1,3,5-Trimethylbenzene | | 1891 | <0.33 | 0.33 | 1.0 | ug/L |
| Xylenes, Total | | 1891 | <1.1 | 1.1 | 3.6 | ug/L |
| Surr: Dibromofluoromethane | | 1891 | 101.2 | | 87-121 | % |
| Surr: Toluene-d8 | | 1891 | 101.6 | | 92-107 | % |
| Surr: Bromofluorobenzene | | 1891 | 99.6 | | 89-109 | % |

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT LABORATORY CONTROL STANDARD

01/17/2002

Mr. Dave Trainor
URS CORPORATION
5250 E. Terrace Drive
Suite I
Madison, WI 53718

Job No: 01.09963
Account No: 53498

Page 26 of 29

Job Description: 05644-098 NSP

| Analyte | Prep Batch Number | Run Batch Number | LCS Amount | Units | LCS Result | LCSD Result | LCS Percent Recovery | LCSD Percent Recovery | Control Limits | Relative Percent Difference |
|------------------------------|-------------------------|------------------------|---------------|-------|---------------|----------------|----------------------------|-----------------------------|-------------------|-----------------------------------|
| Cyanide, total | 550 | 505 | 0.200 | mg/L | 0.192 | | 96.0 | | 90 - 110 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | | | | |
| Phenol | | 862 | 100 | ug/L | 43.2 | | 43.2 | | | |
| Surr: Phenol-d6 | | 862 | 100 | ug/L | 39.4 | | 39.4 | | 10 - 94 | |
| Surr: 2-Fluorophenol | | 862 | 100 | ug/L | 61.2 | | 61.2 | | 21 - 100 | |
| Surr: 2,4,6-Tribromophenol | | 862 | 100 | ug/L | 99.6 | | 99.6 | | 10 - 123 | |
| ACID CMPDS - 8270 AQUEOUS | | | | | | | | | | |
| Phenol | | 863 | 100 | ug/L | 38.4 | | 38.4 | | | |
| Surr: Phenol-d6 | | 863 | 100 | ug/L | 36.0 | | 36.0 | | 10 - 94 | |
| Surr: 2-Fluorophenol | | 863 | 100 | ug/L | 50.8 | | 50.8 | | 21 - 100 | |
| Surr: 2,4,6-Tribromophenol | | 863 | 100 | ug/L | 101.0 | | 101.0 | | 10 - 123 | |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | | | | |
| Acenaphthene | | 757 | 100 | ug/L | 95.0 | | 95.0 | | | |
| Pyrene | | 757 | 100 | ug/L | 97.5 | | 97.5 | | | |
| Surr: Nitrobenzene-d5 | | 757 | 100 | ug/L | 97.2 | | 97.2 | | | |
| Surr: 2-Fluorobiphenyl | | 757 | 100 | ug/L | 82.6 | | 82.6 | | | |
| Surr: Terphenyl-d14 | | 757 | 100 | ug/L | 91.8 | | 91.8 | | | |
| BASE/NEUTRALS - 8270 AQUEOUS | | | | | | | | | | |
| Acenaphthene | | 758 | 100 | ug/L | 94.8 | | 94.8 | | | |
| Pyrene | | 758 | 100 | ug/L | 101.0 | | 101.0 | | | |
| Surr: Nitrobenzene-d5 | | 758 | 100 | ug/L | 95.6 | | 95.6 | | | |
| Surr: 2-Fluorobiphenyl | | 758 | 100 | ug/L | 87.6 | | 87.6 | | | |
| Surr: Terphenyl-d14 | | 758 | 100 | ug/L | 98.4 | | 98.4 | | | |

QUALITY CONTROL REPORT

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

01/17/2002

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

Job No: 01.09963
 Account No: 53498

Page 27 of 29

Job Description: 05644-098 NSP

| Analyte | Prep | Run | Sample | Spike | Matrix | MS | MSD | Relative | | | |
|----------------------------|--------|--------|--------|-------|--------|--------|--------|----------|----------|----------|------------|
| | Batch | Batch | | | | | | | Amount | Units | Spike |
| | Number | Number | Result | | | Result | Result | Recovery | Recovery | Limits | Difference |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | | | |
| Benzene | | 1886 | 27 | 50.0 | ug/L | 73.1 | 71.8 | 92.2 | 89.6 | 80 - 121 | 1.8 |
| Ethylbenzene | | 1886 | 0.56 | 50.0 | ug/L | 47.1 | 46.8 | 93.1 | 92.5 | 83 - 118 | 0.6 |
| Toluene | | 1886 | 6.4 | 50.0 | ug/L | 53.0 | 52.7 | 93.2 | 92.6 | 82 - 116 | 0.6 |
| 1,2,4-Trimethylbenzene | | 1886 | <0.32 | 50.0 | ug/L | 49.4 | 48.7 | 98.8 | 97.4 | 80 - 122 | 1.4 |
| 1,3,5-Trimethylbenzene | | 1886 | <0.33 | 50.0 | ug/L | 49.0 | 48.1 | 98.0 | 96.2 | 83 - 122 | 1.9 |
| Xylenes, Total | | 1886 | 1.4 | 150 | ug/L | 142 | 143 | 93.7 | 94.4 | 84 - 119 | 0.7 |
| Surr: Dibromofluoromethane | | 1886 | 50.6 | 50.0 | ug/L | 49.2 | 49.6 | 98.4 | 99.2 | 83 - 125 | 0.8 |
| Surr: Toluene-d8 | | 1886 | 50.4 | 50.0 | ug/L | 50.3 | 50.2 | 100.6 | 100.4 | 90 - 110 | 0.2 |
| Surr: Bromofluorobenzene | | 1886 | 50.8 | 50.0 | ug/L | 50.1 | 50.0 | 100.2 | 100.0 | 86 - 115 | 0.2 |

QUALITY CONTROL REPORT SPIKES

Mr. Dave Trainor
URS CORPORATION
5250 E. Terrace Drive
Suite I
Madison, WI 53718

01/17/2002

Job No: 01.09963
Account No: 53498

Page 28 of 29

Job Description: 05644-098 NSP

| Analyte | Prep Batch Number | Run Batch Number | Sample Result | Spike Amount | Units | Spike Result | Percent Recovery | Control Limits |
|----------------|-------------------------|------------------------|------------------|-----------------|-------|-----------------|---------------------|-------------------|
| Cyanide, total | 550 | 505 | <0.0077 | 0.200 | mg/L | 0.179 | 89.5 | 76 - 117 |

QUALITY CONTROL REPORT DUPLICATES

Mr. Dave Trainor
URS CORPORATION
5250 E. Terrace Drive
Suite I
Madison, WI 53718

01/17/2002

Job No: 01.09963
Account No: 53498

Page 29 of 29

Job Description: 05644-098 NSP

| Parameter | Prep Batch Number | Run Batch Number | Sample Value | Duplicate Value | Units | RPD | Control Limit |
|----------------|-------------------------|------------------------|-----------------|--------------------|-------|-----|------------------|
| Cyanide, total | 550 | 505 | <0.0077 | <0.0077 | mg/L | | 26 |

TestAmerica

INCORPORATED

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-6120

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring _____

01.09.14 J

Client Name: URS Corp. Client #: _____

Address: 5250 E. TERRACE DR. STE I

City/State/Zip Code: MADISON, WI 53718

Project Manager: DAVE TRAINOR

Telephone Number: 608-244-5656 Fax: _____

Sampler Name: (Print Name) DEREK BOELLEN / STEVE KITTLESUN

Sampler Signature: _____

Project Name: NSP

Project #: 05644-098

Site/Location ID: ASHLAND State: WI

Report To: DAVE TRAINOR

Invoice To: _____

Quote #: _____ PO#: _____

| TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply) | Date Needed: _____ | Fax Results: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Date Sampled | Time Sampled | G = Grab, C = Composite | Field Filtered | Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other | Preservation & # of Containers | | | | | | | | Analyze For: | QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____ | | | | |
|---|--------------------|---|--------------|--------------|-------------------------|----------------|---|--------------------------------|-----|------|--------------------------------|----------|------|-----------------|------|--------------|--|-----|---------------|---------|--|
| | | | | | | | | HNO ₃ | HCl | NaOH | H ₂ SO ₄ | Methanol | None | Other (Specify) | SYOC | | | VOC | TOTAL CYANIDE | REMARKS | |
| MW-4A | 12/4 | 0840 | G | N | GW | 3 | 1 | | | | | | | X | X | X | | | | | |
| MW-4B | | 0855 | | | | | | | | | | | | | | | | | | | |
| MW-8A | | 0800 | | | | | | | | | | | | | | | | | | | |
| MW-9A | | 1310 | | | | | | | | | | | | | | | | | | | |
| MW-9B | | 1420 | | | | | | | | | | | | | | | | | | | |
| MW-9C | | 1320 | | | | | | | | | | | | | | | | | | | |
| MW-13A | 12/5 | 0850 | | | | | | | | | | | | | | | | | | | |
| MW-13C | | 0940 | | | | | | | | | | | | | | | | | | | |
| MW-13D | | 0910 | | | | | | | | | | | | | | | | | | | |
| Trip Blank | | | | | | | | | | | | | | | | | | | | | |

Special Instructions: _____

| | | | | | |
|-------------------------------------|----------------------|-------------------|---------------------------------|----------------------|-------------------|
| Relinquished By: <u>WJ</u> | Date: <u>12/6/01</u> | Time: <u>0730</u> | Received By: <u>[Signature]</u> | Date: <u>12/6</u> | Time: <u>930</u> |
| Relinquished By: <u>[Signature]</u> | Date: <u>12/6</u> | Time: <u>1430</u> | Received By: _____ | Date: _____ | Time: _____ |
| Relinquished By: _____ | Date: _____ | Time: _____ | Received By: <u>[Signature]</u> | Date: <u>12/6/01</u> | Time: <u>1545</u> |

LABORATORY COMMENTS:

Init Lab Temp: 02

Rec Lab Temp: _____

Custody Seals: Y N N/A

Bottles Supplied by TestAmerica: Y N Y

Method of Shipment: TA

12/27/01

Appendix C
Laboratory Reports
December 2001 Influent and Effluent Water Sample
and Influent and Effluent Air Sample Results

ANALYTICAL REPORT

Aaron Sladewski
 URS CORPORATION-MADISON
 5250 East Terrace Drive
 Madison, WI 53718

12/18/2001

PROJECT #05644.097 - NSP/ASHLAND

DEC 21 2001

Date Received: 12/07/2001
 Job Number: 01.14777

| | Result | Units | Result Flag | Date Taken | Date Analyzed | Analyst | Analysis Method | Quantitation Limit |
|---------------------------|--------|--------|-------------|------------|---------------|---------|-----------------|--------------------|
| 653014 Influent | | | | | | | | |
| Air Volume | 1.0 | Liters | | 12/05/2001 | 12/18/2001 | bcg | | |
| Benzene (UST) | <0.020 | mg | | 12/05/2001 | 12/18/2001 | sjg | NIOSH 1501 | 0.020 |
| Benzene (UST) | <20.0 | mg/m3 | | 12/05/2001 | 12/18/2001 | bcg | | |
| Hydrocarbons, Total (UST) | 0.060 | mg | | 12/05/2001 | 12/18/2001 | sjg | NIOSH 1550 | 0.030 |
| Hydrocarbons, Total (UST) | 60.0 | mg/m3 | | 12/05/2001 | 12/18/2001 | bcg | | |
| 653015 Unlabeled | | | | | | | | |
| Air Volume | 1.0 | Liters | | 12/05/2001 | 12/18/2001 | bcg | | |
| Benzene (UST) | <0.020 | mg | | 12/05/2001 | 12/18/2001 | sjg | NIOSH 1501 | 0.020 |
| Benzene (UST) | <20.0 | mg/m3 | | 12/05/2001 | 12/18/2001 | bcg | | |
| Hydrocarbons, Total (UST) | 0.034 | mg | | 12/05/2001 | 12/18/2001 | sjg | NIOSH 1550 | 0.030 |
| Hydrocarbons, Total (UST) | 34.0 | mg/m3 | | 12/05/2001 | 12/18/2001 | bcg | | |
| 653016 Effluent | | | | | | | | |
| Air Volume | 1.0 | Liters | | 12/05/2001 | 12/18/2001 | bcg | | |
| Benzene (UST) | <0.020 | mg | | 12/05/2001 | 12/18/2001 | sjg | NIOSH 1501 | 0.020 |
| Benzene (UST) | <20.0 | mg/m3 | | 12/05/2001 | 12/18/2001 | bcg | | |
| Hydrocarbons, Total (UST) | <0.030 | mg | | 12/05/2001 | 12/18/2001 | sjg | NIOSH 1550 | 0.030 |
| Hydrocarbons, Total (UST) | <30.0 | mg/m3 | | 12/05/2001 | 12/18/2001 | bcg | | |

TOTAL HYDROCARBONS QUANTIFIED AS: Gasoline


 Michael K. McGee, CIH
 Division Manager
 AIHA Lab Accreditation No. 285

Results are not blank corrected.

This report shall not be reproduced except in full without the written approval of the laboratory.

Results relate only to the items tested.

JAN 2 2002

ANALYTICAL REPORT

Mr. Dave Trainor
URS CORPORATION
5250 E. Terrace Drive
Suite I
Madison, WI 53718

12/19/2001
Job No: 01.09978
Page 1 of 14

The following samples were received by TestAmerica for analysis:

| Sample Number | Sample Description | Date Taken | Date Received |
|---------------|--------------------------|------------|---------------|
| 462554 | Influent 05644-098 NSP | 12/05/2001 | 12/06/2001 |
| 462555 | Pre-Carbon 05644-098 NSP | 12/05/2001 | 12/06/2001 |
| 462556 | Effluent 05644-098 NSP | 12/05/2001 | 12/06/2001 |


Brian D. DeJong
Organic Operations Manager

URS CORPORATION
Job No: 01.09978

12/19/2001
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KEY TO DATA FLAGS

The attached sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time
B = Blank is contaminated
C = Standard outside of control limits
D = Diluted for analysis
E = TCLP extraction outside of method required temperature range
F = Sample filtered in lab
G = Received past hold time
H = Late eluting hydrocarbons present
I = Improperly handled sample
J = Estimated concentration
L = Common lab solvent and contaminant
M = Matrix interference
P = Improperly preserved sample
Q = Result confirmed via re-analysis
S = Sediment present
T = Does not match typical pattern
W = BOD re-set due to missed dilution
X = Unidentified compound(s) present
Z = Internal standard outside limits
* = See Case Narrative

KEY TO ANALYST INITIALS

The attached sample(s) may have been analyzed by another certified laboratory. If a number appears in the Analyst Initials field, the following are the appropriate certifications (if the lab code does not appear below, that means that WDNR certification is not required for the work performed):

| Lab Code | Certification Number |
|----------|--|
| 008 | WDNR - 999766900 |
| 009 | WDNR - 241293690 |
| 060 | ILNELAC - 100221; WDNR - 999447130 |
| 070 | IA - 007; MDH - 019-999-319; WDNR - 999917270 |
| 130 | WDNR - 632021390 |
| 147 | WDNR - 721026460 |
| 300 | FLNELAC - 87358; IA - 131; MDH - 047-999-345; WDNR - 998020430 |
| 400 | WDNR - 113133790 |
| 510 | WDNR - 241249360 |
| 700 | WDNR - 113289110 |

TestAmerica Watertown IDNR ID - 294; MDH ID - 055-999-366

For questions regarding this report, please contact Dan Milewsky or Warren Topel.

ANALYTICAL REPORT

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

12/19/2001
 Job No: 01.09978
 Sample No: 462554
 Account No: 53498
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JOB DESCRIPTION: 05644-098 NSP Ashland
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: Influent 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 07:40

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|-----------------------------|---------|-------|------|------|----------|------------|---------|----------|------|
| | | | | | | Analyzed | Analyst | Batch | |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 52,000 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromobenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromochloromethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromodichloromethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromoform | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromomethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| n-Butylbenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| sec-Butylbenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| tert-Butylbenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Carbon Tetrachloride | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chlorobenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chlorodibromomethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chloroethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chloroform | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chloromethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 2-Chlorotoluene | <100 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 4-Chlorotoluene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dibromo-3-Chloropropane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dibromoethane (EDB) | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Dibromomethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dichlorobenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,3-Dichlorobenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,4-Dichlorobenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Dichlorodifluoromethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,1-Dichloroethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dichloroethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,1-Dichloroethene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| cis-1,2-Dichloroethene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| trans-1,2-Dichloroethene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dichloropropane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,3-Dichloropropane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 2,2-Dichloropropane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,1-Dichloropropene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| cis-1,3-Dichloropropene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| trans-1,3-Dichloropropene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Di-isopropyl ether | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Ethylbenzene | 630 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Hexachlorobutadiene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |

ANALYTICAL REPORT

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
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12/19/2001
 Job No: 01.09978
 Sample No: 462554
 Account No: 53498
 Page 4 of 14

JOB DESCRIPTION: 05644-098 NSP Ashland
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: Influent 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 07:40

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|--|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| p-Isopropyltoluene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Methylene Chloride | L 790 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Methyl-t-butyl ether | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Naphthalene | 8,800 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| n-Propylbenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Styrene | 5,900 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,1,1,2-Tetrachloroethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,1,2,2-Tetrachloroethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Tetrachloroethene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Toluene | 21,000 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,2,3-Trichlorobenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,2,4-Trichlorobenzene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,1,1-Trichloroethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,1,2-Trichloroethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Trichloroethene | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Trichlorofluoromethane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,2,3-Trichloropropane | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,2,4-Trimethylbenzene | 650 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,3,5-Trimethylbenzene | 150 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Vinyl Chloride | <250 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Xylenes, Total | 5,400 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Surr: Dibromofluoromethane | 103.2 | % | | 86-119 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Surr: Toluene-d8 | 94.0 | % | | 88-110 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Surr: Bromofluorobenzene | 97.4 | % | | 91-110 | SW 8260B | 12/18/2001 | mae | 3261 | |

ANALYTICAL REPORT

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
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 Madison, WI 53718

12/19/2001
 Job No: 01.09978
 Sample No: 462555
 Account No: 53498
 Page 5 of 14

JOB DESCRIPTION: 05644-098 NSP Ashland
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: Pre-Carbon 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 07:35

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|-----------------------------|---------|-------|------|------|----------|------------|---------|----------|------|
| | | | | | | Analyzed | Analyst | Batch | |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | 530 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromobenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromochloromethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromodichloromethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromoform | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Bromomethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| n-Butylbenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| sec-Butylbenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| tert-Butylbenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Carbon Tetrachloride | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chlorobenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chlorodibromomethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chloroethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chloroform | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Chloromethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 2-Chlorotoluene | <10 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 4-Chlorotoluene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dibromo-3-Chloropropane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dibromoethane (EDB) | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Dibromomethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dichlorobenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,3-Dichlorobenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,4-Dichlorobenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Dichlorodifluoromethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,1-Dichloroethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dichloroethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,1-Dichloroethene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| cis-1,2-Dichloroethene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| trans-1,2-Dichloroethene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,2-Dichloropropane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,3-Dichloropropane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 2,2-Dichloropropane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| 1,1-Dichloropropene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| cis-1,3-Dichloropropene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| trans-1,3-Dichloropropene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Di-isopropyl ether | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Ethylbenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |
| Hexachlorobutadiene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | | 3261 |

ANALYTICAL REPORT

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

12/19/2001
 Job No: 01.09978
 Sample No: 462555
 Account No: 53498
 Page 6 of 14

JOB DESCRIPTION: 05644-098 NSP Ashland
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: Pre-Carbon 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 07:35

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|--|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| p-Isopropyltoluene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Methylene Chloride | L 82 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Methyl-t-butyl ether | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3266 | |
| Naphthalene | 2,300 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| n-Propylbenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Styrene | 160 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,1,1,2-Tetrachloroethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,1,2,2-Tetrachloroethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Tetrachloroethene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Toluene | 260 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,2,3-Trichlorobenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,2,4-Trichlorobenzene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,1,1-Trichloroethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,1,2-Trichloroethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Trichloroethene | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Trichlorofluoromethane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,2,3-Trichloropropane | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,2,4-Trimethylbenzene | 44 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | 3261 | |
| 1,3,5-Trimethylbenzene | <10 | ug/L | 0.10 | 0.33 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Vinyl Chloride | <25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Xylenes, Total | 130 | ug/L | 0.25 | 0.83 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Surr: Dibromofluoromethane | 103.4 | % | | 86-119 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Surr: Toluene-d8 | 95.2 | % | | 88-110 | SW 8260B | 12/18/2001 | mae | 3261 | |
| Surr: Bromofluorobenzene | 97.6 | % | | 91-110 | SW 8260B | 12/18/2001 | mae | 3261 | |

ANALYTICAL REPORT

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

12/19/2001
 Job No: 01.09978
 Sample No: 462556
 Account No: 53498
 Page 7 of 14

JOB DESCRIPTION: 05644-098 NSP Ashland
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: Effluent 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 07:30

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|-----------------------------|---------|-------|------|------|----------|------------|---------|----------|------|
| | | | | | | Analyzed | Analyst | Batch | |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | |
| Benzene | <0.10 | ug/L | 0.10 | 0.33 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Bromobenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Bromochloromethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Bromodichloromethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Bromoform | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Bromomethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| n-Butylbenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| sec-Butylbenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| tert-Butylbenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Carbon Tetrachloride | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Chlorobenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Chlorodibromomethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Chloroethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Chloroform | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Chloromethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 2-Chlorotoluene | <0.10 | ug/L | 0.10 | 0.33 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 4-Chlorotoluene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2-Dibromo-3-Chloropropane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2-Dibromoethane (EDB) | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Dibromomethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2-Dichlorobenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,3-Dichlorobenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,4-Dichlorobenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Dichlorodifluoromethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,1-Dichloroethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2-Dichloroethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,1-Dichloroethene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| cis-1,2-Dichloroethene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| trans-1,2-Dichloroethene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2-Dichloropropane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,3-Dichloropropane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 2,2-Dichloropropane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,1-Dichloropropene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| cis-1,3-Dichloropropene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| trans-1,3-Dichloropropene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Di-isopropyl ether | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Ethylbenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Hexachlorobutadiene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |

ANALYTICAL REPORT

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

12/19/2001
 Job No: 01.09978
 Sample No: 462556
 Account No: 53498
 Page 8 of 14

JOB DESCRIPTION: 05644-098 NSP Ashland
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: Effluent 05644-098 NSP
 Ashland, WI
 Rec'd on ice

Date/Time Taken: 12/05/2001 07:30

Date Received: 12/06/2001

| Parameter | Results | Units | MDL | LOQ | Method | Date | | Prep/Run | |
|----------------------------|---------|-------|------|--------|----------|------------|---------|----------|------|
| | | | | | | Analyzed | Analyst | Batch | |
| Isopropylbenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| p-Isopropyltoluene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Methylene Chloride | L 2.7 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Methyl-t-butyl ether | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Naphthalene | 0.26 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| n-Propylbenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Styrene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,1,1,2-Tetrachloroethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,1,2,2-Tetrachloroethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Tetrachloroethene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Toluene | <0.10 | ug/L | 0.10 | 0.33 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2,3-Trichlorobenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2,4-Trichlorobenzene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,1,1-Trichloroethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,1,2-Trichloroethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Trichloroethene | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Trichlorofluoromethane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2,3-Trichloropropane | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,2,4-Trimethylbenzene | <0.10 | ug/L | 0.10 | 0.33 | SW 8260B | 12/16/2001 | mae | | 3255 |
| 1,3,5-Trimethylbenzene | <0.10 | ug/L | 0.10 | 0.33 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Vinyl Chloride | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Xylenes, Total | <0.25 | ug/L | 0.25 | 0.83 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Surr: Dibromofluoromethane | 99.2 | ‡ | | 86-119 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Surr: Toluene-d8 | 96.0 | ‡ | | 88-110 | SW 8260B | 12/16/2001 | mae | | 3255 |
| Surr: Bromofluorobenzene | 99.8 | ‡ | | 91-110 | SW 8260B | 12/16/2001 | mae | | 3255 |

QUALITY CONTROL REPORT CONTINUING CALIBRATION VERIFICATION

12/19/2001

Mr. Dave Trainor
URS CORPORATION
5250 E. Terrace Drive
Suite I
Madison, WI 53718

Job No: 01.09978
Account No: 53498

Page 9 of 14

Job Description: 05644-098 NSP Ashland

| Parameter | Run Batch | True Value | Observed Value | Percent Recovery | Control Limits |
|----------------------------|-----------|------------|----------------|------------------|----------------|
| VOC - AQUEOUS - EPA 8260B | | | | | |
| Benzene | 3255 | 50.0 | 51.5 | 103.0 | 80 - 120 |
| Bromoform | 3255 | 50.0 | 59.0 | 118.0 | 80 - 120 |
| Chlorobenzene | 3255 | 50.0 | 48.3 | 96.6 | 80 - 120 |
| Chloroform | 3255 | 50.0 | 50.8 | 101.6 | 80 - 120 |
| Chloromethane | 3255 | 50.0 | 51.2 | 102.4 | 80 - 120 |
| 1,1-Dichloroethane | 3255 | 50.0 | 51.5 | 103.0 | 80 - 120 |
| 1,1-Dichloroethene | 3255 | 50.0 | 53.9 | 107.8 | 80 - 120 |
| 1,2-Dichloropropane | 3255 | 50.0 | 50.4 | 100.8 | 80 - 120 |
| Ethylbenzene | 3255 | 50.0 | 50.5 | 101.0 | 80 - 120 |
| Methyl-t-butyl ether | 3255 | 50.0 | 52.5 | 105.0 | 80 - 120 |
| 1,1,2,2-Tetrachloroethane | 3255 | 50.0 | 55.4 | 110.8 | 80 - 120 |
| Toluene | 3255 | 50.0 | 49.3 | 98.6 | 80 - 120 |
| Trichloroethene | 3255 | 50.0 | 50.2 | 100.4 | 80 - 120 |
| 1,2,4-Trimethylbenzene | 3255 | 50.0 | 51.9 | 103.8 | 80 - 120 |
| 1,3,5-Trimethylbenzene | 3255 | 50.0 | 51.3 | 102.6 | 80 - 120 |
| Vinyl Chloride | 3255 | 50.0 | 54.3 | 108.6 | 80 - 120 |
| Xylenes, Total | 3255 | 150 | 148 | 98.7 | 80 - 120 |
| Surr: Dibromofluoromethane | 3255 | 50.0 | 50.7 | 101.4 | 87 - 116 |
| Surr: Toluene-d8 | 3255 | 50.0 | 50.1 | 100.2 | 89 - 109 |
| Surr: Bromofluorobenzene | 3255 | 50.0 | 50.9 | 101.8 | 87 - 112 |
| VOC - AQUEOUS - EPA 8260B | | | | | |
| Benzene | 3261 | 50.0 | 50.2 | 100.4 | 80 - 120 |
| Bromoform | 3261 | 50.0 | 49.7 | 99.4 | 80 - 120 |
| Chlorobenzene | 3261 | 50.0 | 45.0 | 90.0 | 80 - 120 |
| Chloroform | 3261 | 50.0 | 49.4 | 98.8 | 80 - 120 |
| Chloromethane | 3261 | 50.0 | 49.2 | 98.4 | 80 - 120 |
| 1,1-Dichloroethane | 3261 | 50.0 | 50.3 | 100.6 | 80 - 120 |
| 1,1-Dichloroethene | 3261 | 50.0 | 54.4 | 108.8 | 80 - 120 |
| 1,2-Dichloropropane | 3261 | 50.0 | 47.6 | 95.2 | 80 - 120 |
| Ethylbenzene | 3261 | 50.0 | 46.3 | 92.6 | 80 - 120 |
| Methyl-t-butyl ether | 3261 | 50.0 | 49.5 | 99.0 | 80 - 120 |
| 1,1,2,2-Tetrachloroethane | 3261 | 50.0 | 45.9 | 91.8 | 80 - 120 |
| Toluene | 3261 | 50.0 | 45.2 | 90.4 | 80 - 120 |
| Trichloroethene | 3261 | 50.0 | 47.8 | 95.6 | 80 - 120 |
| 1,2,4-Trimethylbenzene | 3261 | 50.0 | 46.7 | 93.4 | 80 - 120 |
| 1,3,5-Trimethylbenzene | 3261 | 50.0 | 46.0 | 92.0 | 80 - 120 |
| Vinyl Chloride | 3261 | 50.0 | 57.1 | 114.2 | 80 - 120 |
| Xylenes, Total | 3261 | 150 | 138 | 92.0 | 80 - 120 |
| Surr: Dibromofluoromethane | 3261 | 50.0 | 52.1 | 104.2 | 87 - 116 |
| Surr: Toluene-d8 | 3261 | 50.0 | 48.9 | 97.8 | 89 - 109 |
| Surr: Bromofluorobenzene | 3261 | 50.0 | 50.7 | 101.4 | 87 - 112 |

QUALITY CONTROL REPORT

BLANKS

12/19/2001

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

Job No: 01.09978
 Account No: 53498

Page 10 of 14

Job Description: 05644-098 NSP Ashland

| Parameter | Prep Batch | Run Batch | Blank Result | MDL | LOQ | Units |
|-----------------------------|------------|-----------|--------------|------|------|-------|
| VOC - AQUEOUS - EPA 8260B | | | | | | |
| Benzene | | 3255 | <0.10 | 0.10 | 0.33 | ug/L |
| Bromobenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Bromochloromethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Bromodichloromethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Bromoform | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Bromomethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| n-Butylbenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| sec-Butylbenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| tert-Butylbenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Carbon Tetrachloride | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Chlorobenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Chlorodibromomethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Chloroethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Chloroform | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Chloromethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 2-Chlorotoluene | | 3255 | <0.10 | 0.10 | 0.33 | ug/L |
| 4-Chlorotoluene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dibromo-3-Chloropropane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dibromoethane (EDB) | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Dibromomethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dichlorobenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,3-Dichlorobenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,4-Dichlorobenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Dichlorodifluoromethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1-Dichloroethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dichloroethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1-Dichloroethene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| cis-1,2-Dichloroethene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| trans-1,2-Dichloroethene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dichloropropane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,3-Dichloropropane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 2,2-Dichloropropane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1-Dichloropropene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| cis-1,3-Dichloropropene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| trans-1,3-Dichloropropene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Di-isopropyl ether | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

12/19/2001

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

Job No: 01.09978
 Account No: 53498

Page 11 of 14

Job Description: 05644-098 NSP Ashland

| Parameter | Prep Batch | Run Batch | Blank Result | MDL | LOQ | Units |
|----------------------------|------------|-----------|--------------|------|--------|-------|
| Ethylbenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Hexachlorobutadiene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Isopropylbenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| p-Isopropyltoluene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Methylene Chloride | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Methyl-t-butyl ether | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Naphthalene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| n-Propylbenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Styrene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1,1,2-Tetrachloroethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1,2,2-Tetrachloroethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Tetrachloroethene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Toluene | | 3255 | <0.10 | 0.10 | 0.33 | ug/L |
| 1,2,3-Trichlorobenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2,4-Trichlorobenzene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1,1-Trichloroethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1,2-Trichloroethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Trichloroethene | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Trichlorofluoromethane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2,3-Trichloropropane | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2,4-Trimethylbenzene | | 3255 | <0.10 | 0.10 | 0.33 | ug/L |
| 1,3,5-Trimethylbenzene | | 3255 | <0.10 | 0.10 | 0.33 | ug/L |
| Vinyl Chloride | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Xylenes, Total | | 3255 | <0.25 | 0.25 | 0.83 | ug/L |
| Surr: Dibromofluoromethane | | 3255 | 102.4 | | 86-119 | % |
| Surr: Toluene-d8 | | 3255 | 98.0 | | 88-110 | % |
| Surr: Bromofluorobenzene | | 3255 | 98.2 | | 91-110 | % |
| VOC - AQUEOUS - EPA 8260B | | | | | | |
| Benzene | | 3261 | <0.10 | 0.10 | 0.33 | ug/L |
| Bromobenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Bromochloromethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Bromodichloromethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Bromoform | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Bromomethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| n-Butylbenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| sec-Butylbenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| tert-Butylbenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT BLANKS

12/19/2001

Mr. Dave Trainor
URS CORPORATION
5250 E. Terrace Drive
Suite I
Madison, WI 53718

Job No: 01.09978
Account No: 53498

Page 12 of 14

Job Description: 05644-098 NSP Ashland

| Parameter | Prep Batch | Run Batch | Blank Result | MDL | LOQ | Units |
|-----------------------------|------------|-----------|--------------|------|------|-------|
| Carbon Tetrachloride | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Chlorobenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Chlorodibromomethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Chloroethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Chloroform | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Chloromethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 2-Chlorotoluene | | 3261 | <0.10 | 0.10 | 0.33 | ug/L |
| 4-Chlorotoluene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dibromo-3-Chloropropane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dibromoethane (EDB) | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Dibromomethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dichlorobenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,3-Dichlorobenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,4-Dichlorobenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Dichlorodifluoromethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1-Dichloroethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dichloroethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1-Dichloroethene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| cis-1,2-Dichloroethene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| trans-1,2-Dichloroethene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2-Dichloropropane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,3-Dichloropropane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 2,2-Dichloropropane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1-Dichloropropene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| cis-1,3-Dichloropropene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| trans-1,3-Dichloropropene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Di-isopropyl ether | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Ethylbenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Hexachlorobutadiene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Isopropylbenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| p-Isopropyltoluene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Methylene Chloride | | 3261 | 0.40 | 0.25 | 0.83 | ug/L |
| Methyl-t-butyl ether | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Naphthalene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| n-Propylbenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Styrene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1,1,2-Tetrachloroethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

12/19/2001

Mr. Dave Trainor
 URS CORPORATION
 5250 E. Terrace Drive
 Suite I
 Madison, WI 53718

Job No: 01.09978
 Account No: 53498

Page 13 of 14

Job Description: 05644-098 NSP Ashland

| Parameter | Prep Batch | Run Batch | Blank Result | MDL | LOQ | Units |
|----------------------------|------------|-----------|--------------|------|--------|-------|
| 1,1,2,2-Tetrachloroethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Tetrachloroethene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Toluene | | 3261 | <0.10 | 0.10 | 0.33 | ug/L |
| 1,2,3-Trichlorobenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2,4-Trichlorobenzene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1,1-Trichloroethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,1,2-Trichloroethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Trichloroethene | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Trichlorofluoromethane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2,3-Trichloropropane | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| 1,2,4-Trimethylbenzene | | 3261 | <0.10 | 0.10 | 0.33 | ug/L |
| 1,3,5-Trimethylbenzene | | 3261 | <0.10 | 0.10 | 0.33 | ug/L |
| Vinyl Chloride | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Xylenes, Total | | 3261 | <0.25 | 0.25 | 0.83 | ug/L |
| Surr: Dibromofluoromethane | | 3261 | 103.6 | | 86-119 | % |
| Surr: Toluene-d8 | | 3261 | 94.8 | | 88-110 | % |
| Surr: Bromofluorobenzene | | 3261 | 98.4 | | 91-110 | % |

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT MATRIX SPIKE/MATRIX SPIKE DUPLICATE

12/19/2001

Mr. Dave Trainor
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Job No: 01.09978
Account No: 53498

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Job Description: 05644-098 NSP Ashland

| Analyte | Prep | Run | Sample Result | Spike Amount | Units | Matrix | MSD Result | MS | MSD | Relative Control Limits | Relative Percent Difference |
|----------------------------|-----------------|-----------------|------------------|-----------------|-------|-----------------|---------------|---------------------|---------------------|-------------------------------|-----------------------------------|
| | Batch Number | Batch Number | | | | Spike Result | | Percent Recovery | Percent Recovery | | |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | | | |
| Benzene | | 3255 | <0.10 | 50.0 | ug/L | 55.6 | 57.9 | 111.2 | 115.8 | 80 - 121 | 4.1 |
| Chlorobenzene | | 3255 | <0.25 | 50.0 | ug/L | 51.7 | 53.9 | 103.4 | 107.8 | 85 - 116 | 4.2 |
| 1,1-Dichloroethene | | 3255 | <0.25 | 50.0 | ug/L | 57.0 | 58.4 | 114.0 | 116.8 | 72 - 131 | 2.4 |
| Ethylbenzene | | 3255 | <0.25 | 50.0 | ug/L | 51.7 | 55.1 | 103.4 | 110.2 | 83 - 118 | 6.4 |
| Methyl-t-butyl ether | | 3255 | <0.25 | 50.0 | ug/L | 55.2 | 57.6 | 110.4 | 115.2 | 71 - 127 | 4.3 |
| Toluene | | 3255 | <0.10 | 50.0 | ug/L | 53.0 | 54.9 | 106.0 | 109.8 | 82 - 116 | 3.5 |
| Trichloroethene | | 3255 | <0.25 | 50.0 | ug/L | 54.9 | 56.1 | 109.8 | 112.2 | 80 - 117 | 2.2 |
| 1,2,4-Trimethylbenzene | | 3255 | <0.10 | 50.0 | ug/L | 54.4 | 56.9 | 108.8 | 113.8 | 80 - 122 | 4.5 |
| 1,3,5-Trimethylbenzene | | 3255 | <0.10 | 50.0 | ug/L | 53.4 | 55.2 | 106.8 | 110.4 | 83 - 122 | 3.3 |
| Xylenes, Total | | 3255 | <0.25 | 150 | ug/L | 157 | 163 | 104.7 | 108.7 | 84 - 119 | 3.8 |
| Surr: Dibromofluoromethane | | 3255 | 49.6 | 50.0 | ug/L | 50.8 | 50.5 | 101.6 | 101.0 | 91 - 111 | 0.6 |
| Surr: Toluene-d8 | | 3255 | 48.0 | 50.0 | ug/L | 49.8 | 49.7 | 99.6 | 99.4 | 85 - 115 | 0.2 |
| Surr: Bromofluorobenzene | | 3255 | 49.9 | 50.0 | ug/L | 51.0 | 51.1 | 102.0 | 102.2 | 87 - 111 | 0.2 |
| VOC - AQUEOUS - EPA 8260B | | | | | | | | | | | |
| Benzene | | 3261 | <0.10 | 50.0 | ug/L | 56.2 | 53.9 | 112.4 | 107.8 | 80 - 121 | 4.2 |
| Chlorobenzene | | 3261 | <0.25 | 50.0 | ug/L | 50.6 | 49.2 | 101.2 | 98.4 | 85 - 116 | 2.8 |
| 1,1-Dichloroethene | | 3261 | <0.25 | 50.0 | ug/L | 56.1 | 53.8 | 112.2 | 107.6 | 72 - 131 | 4.2 |
| Ethylbenzene | | 3261 | <0.25 | 50.0 | ug/L | 52.6 | 52.3 | 105.2 | 104.6 | 83 - 118 | 0.6 |
| Methyl-t-butyl ether | | 3261 | <0.25 | 50.0 | ug/L | 56.5 | 54.6 | 113.0 | 109.2 | 71 - 127 | 3.4 |
| Toluene | | 3261 | <0.10 | 50.0 | ug/L | 50.2 | 50.2 | 100.4 | 100.4 | 82 - 116 | 0.0 |
| Trichloroethene | | 3261 | <0.25 | 50.0 | ug/L | 53.4 | 51.5 | 106.8 | 103.0 | 80 - 117 | 3.6 |
| 1,2,4-Trimethylbenzene | | 3261 | <0.10 | 50.0 | ug/L | 51.9 | 50.8 | 103.8 | 101.6 | 80 - 122 | 2.1 |
| 1,3,5-Trimethylbenzene | | 3261 | <0.10 | 50.0 | ug/L | 50.7 | 50.0 | 101.4 | 100.0 | 83 - 122 | 1.4 |
| Xylenes, Total | | 3261 | <0.25 | 150 | ug/L | 151 | 151 | 100.7 | 100.7 | 84 - 119 | 0.0 |
| Surr: Dibromofluoromethane | | 3261 | 50.3 | 50.0 | ug/L | 51.1 | 50.9 | 102.2 | 101.8 | 91 - 111 | 0.4 |
| Surr: Toluene-d8 | | 3261 | 47.1 | 50.0 | ug/L | 48.6 | 49.1 | 97.2 | 98.2 | 85 - 115 | 1.0 |
| Surr: Bromofluorobenzene | | 3261 | 49.8 | 50.0 | ug/L | 50.8 | 50.9 | 101.6 | 101.8 | 87 - 111 | 0.2 |

