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KENOSHA Co.

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GROUNDWATER MONITORING REPORT
SEPTEMBER 1993 QUARTERLY SAMPLING
CHRYSLER KENOSHA MAIN PLANT
KENOSHA, WISCONSIN

PREPARED FOR:

CHRYSLER CORPORATION
FEATHERSTONE ROAD ENGINEERING CENTER
2301 FEATHERSTONE ROAD, CIMS 429-02-04
AUBURN HILLS, MICHIGAN 48326

TRIAD ENGINEERING PROJECT NO. 11013

NOVEMBER 1993

TRIAD ENGINEERING INCORPORATED

325 East Chicago Street Milwaukee, Wisconsin 53202 414-291-8840 Fax 414-291-8841

TRIAD
ENGINEERING
INCORPORATED

November 12, 1993

Mr. Gregory M. Rose
Deactivation Environmental Specialist
Environmental and Energy Affairs
Chrysler Corporation, Featherstone Road Engineering Center
2301 Featherstone Road, CIMS 429-02-04
Auburn Hills, Michigan 48326

Subject: **Groundwater Monitoring Report**
September 1993 Quarterly Sampling
Chrysler Corporation Kenosha Main Plant
Kenosha, Wisconsin

Dear Mr. Rose:

Triad Engineering Incorporated (Triad) is pleased to present this groundwater monitoring report for sampling performed during September 1993 at the Kenosha Main Plant. The work was performed in accordance with the Scope of Work specified in our proposal dated February 16, 1993, and included the following tasks:

- Water Table Mapping,
- Groundwater Sampling, and
- Summary Tables

Additional work performed during this period included groundwater monitoring well installation (MW-45) and repair (MW-27B) which are discussed herein.

Water Table Map

Groundwater surface elevations were measured between September 21 - 24, 1993, and were contoured to assess apparent groundwater flow directions across the site. This information is provided in Attachment A and shown on Drawing 1. Groundwater continues to be drawn towards the existing active groundwater recovery systems. Please note that Sump 1 is no longer in operation. The Wisconsin Department of Natural Resources (WDNR) no longer requires recovery or groundwater at this location. Sumps 4 and 5 were not operating at the time of water level measurements pending installation of groundwater treatment systems. Sumps 4 and 5 are scheduled to be reactivated in December 1993.

325 east chicago street
milwaukee, wisconsin 53202
414/291-8840
fax: 414/291-8841

Groundwater Sampling

Groundwater samples were collected from 38 monitoring wells between September 21-24, 1993, to satisfy the WDNR's quarterly sampling requirements. The groundwater sampling and analysis program was completed in accordance with the specifications given in Table 1.

Sampling protocols utilized by Triad followed the WDNR February 1987 Groundwater Sampling Guidelines. Samples were submitted to Swanson Environmental, Inc. Brookfield, Wisconsin, a state-certified laboratory.

Summary Tables

Groundwater quality results are provided in Tables 2 through 9. As shown, data presentation is limited to detected constituents and the reported concentrations are referenced (by analyte) to the groundwater quality standards given in Chapter NR 140, Wisconsin Administrative Code (Groundwater Quality) for ease of comparison.

Four quality control trip blanks were also analyzed for VOCs as part of the groundwater monitoring program. The results of trip blank analysis are not presented on the tables. No significant detections occurred for the samples.

Laboratory analytical reports, chain-of-custody forms, and water sampling field data summary forms are contained in Attachment B.

Monitoring Well MW-45 Installation

On September 22, 1993, boring/water table monitoring well MW-45 was installed at the former Building 6A location, approximately 260 feet north of well MW-25. The boring/well was placed to evaluate soil and groundwater quality in this area.

The soil boring was performed using hollow stem auger techniques. Soil samples were collected continuously using split spoon sampling in accordance with ASTM Method D1586-84, in order to characterize subsurface conditions. The boring was logged and the soils described in the field via ASTM Method D2488-90. A representative portion of each sample obtained was screened in the field for the presence of volatile organic compounds (VOCs) with an HNU Model PI-101 Photoionization Detector (PID). Visual and olfactory observations were also made.

Two soil samples collected from the boring were submitted for laboratory analysis. One sample (MW-45-2) was collected from the 2-4 foot depth interval, and the other (MW-45-4) from immediately above the water table (6-8 foot depth interval). Both soil samples were submitted for laboratory analysis of VOCs (EPA Method 8021). Soil sample MW-45-2 was also analyzed for cadmium, chromium, lead, nickel, and zinc.

The monitoring well was installed and developed in accordance with Chapter NR 141 Wisconsin Administrative Code (NR 141) requirements. Hydraulic testing was also performed on the well to estimate the hydraulic conductivity of saturated materials proximate to the well screen, using the Bouwer and Rice method (June 1976). A groundwater sample from the well was collected and submitted for laboratory analysis of VOCs (EPA Method 8021).

Monitor Well MW-45 Sampling Results

Elevated field PID readings (greater than 10 instrument units) were observed for headspace analysis of soil samples collected during boring/monitoring well installation. Field PID readings are presented on the boring logs in Attachment C. Soil at this location generally consists of clay with some medium grained sand and silt seams. Water table depth is approximately 9 feet. Discoloration of the clay from yellowish-brown to green-black was observed in the soil boring at the 2-4 foot depth interval. A strong solvent-like odor was also observed during borehole installation.

Results of the laboratory analysis (analysis performed September 30, 1993) of soil samples collected at MW-45 location indicated several VOCs were detected at low concentrations, which was not consistent with field observations documented during the boring installation. Review of the analysis was requested by Triad. Based on further analysis of the samples, the laboratory indicated that the VOC concentrations in these samples are likely higher than originally reported. However, the results of the additional analysis are not reliable because holding times were exceeded. Soil analysis of metals (cadmium, chromium, lead, nickel, and zinc) performed on sample MW-45-2, indicated that the detected concentrations are within the common range for naturally occurring soil.

Results of laboratory analysis performed on a groundwater sample collected from MW-45 indicated select VOC constituents were detected at elevated concentrations.

Supporting documentation is contained in Attachment C, and includes laboratory analytical reports, chain-of-custody forms, water sampling field data forms, boring, well construction and well development logs, and hydraulic testing data.

A soil and groundwater sampling program was performed during September 1993 to further evaluate the magnitude and extent of release observed at MW-45. The results of this investigation will be documented in a separate report to be submitted during November 1993.

Monitoring Well MW-27B Repair/Modification

Monitoring Well MW-27B was repaired on September 22, 1993. The aboveground steel protective pipe was apparently bent by a vehicle. However, the PVC well casing was not damaged below the bend in the protective pipe. The well was finished as an aboveground protected well with three (3) bumper posts installed around it. A monitor well construction log documenting modification is contained in Attachment D.

We trust this information meets your needs. If you have any questions or comments, please do not hesitate to call.

Sincerely,

TRIAD ENGINEERING, INC.

Richard J. Binder, PG
Senior Hydrogeologist/Project Manager

TRIAD ENGINEERING, INC.

Jeanne M. Ramponi
Hydrogeologist

RJB:sk
Enclosure
11013\11013-g
cc: Mr. Jack Bugno, Chrysler-Kenosha
Mr. Dave Voight, Triad
Ms. Lori G. Bowman, Triad

TABLE 1
SEPTEMBER 1993 QUARTERLY GROUNDWATER SAMPLING AND ANALYSIS SPECIFICATIONS
CHRYSLER CORPORATION KENOSHA MAIN PLANT
KENOSHA, WISCONSIN

Well Number	VOCs (8021)[1]	BTEX (8020)[1]	Cyanide* (335.2)[1]	Comments
North Area/Site MP-1				
MW-2				Water level only. Possible future closeout sampling per WDNR.
North Area/Site MP-2				
MW-10				Water/product level only.
MW-29	X			
MW-29A	X			
MW-30	X			
MW-31	X			
MW-34R	X			
MW-35B				Water/product level only.
MW-36A	X			
MW-37				Water level only. Not sampled due to bent riser pipe.
MW-38	X			
MW-40	X			
MW-41	X			
Sump-4				Water/product level only. Sump discharge sampled bi-monthly.
Sump-5				Water/product level only. Bi-monthly sampling.
Sump-5A				Water/product level only. Observation/recovery sump.
Sump-5B				Water/product level only
Sump-5C				Water/product level only
OW-3				Observation well, water/product level only.
OW-4				Observation well, water/product level only.
North Area/Site MP-3				
MW-11				Not sampled, truck trailer over well.
MW-11A	X			Well repaired, sampled.
MW-11B	X			
MW-11C				Well not sampled.
MW-11D				Well abandoned.
North Area/Site MP-4				
MW-12	X			
North Area/Site MP-5				
MW-5	X			
Sump-3				Water level only. Sump discharge sampled bi-monthly.

DCs = Volatile Organic Compounds
= EPA Analytical Method Number "Testing Methods for Evaluating Solid Waste, Physical/Chemical Methods." U.S. EPA, SW-846, 3rd Edition, September 1986.
= Samples collected for analysis of cyanide were field filtered prior to preservation.
DTE: Water/product levels were measured at each well location.

TABLE 1
SEPTEMBER 1993 QUARTERLY GROUNDWATER SAMPLING AND ANALYSIS SPECIFICATIONS
CHRYSLER CORPORATION KENOSHA MAIN PLANT
KENOSHA, WISCONSIN (Continued)

Well Number	VOCs (8021)[1]	BTEX (8020)[1]	Cyanide* (335.2)[1]	Comments
North Area/Site MP-6 and Bldg. 45				
MW-4				Water level only.
MW-6				Water level only. Well to be abandoned pending WDNR UST closeout.
MW-6A				Water level only. Well to be abandoned pending WDNR UST closeout.
MW-6B				Well abandoned.
MW-6C				Water level only.
MW-7				Water level only. Well to be abandoned pending WDNR UST closeout.
MW-8				Water level only. Well to be abandoned per WDNR approval.
MW-8A				Water level only. Well to be abandoned per WDNR approval.
South Area/Site MP-7				
MW-13				Well abandoned.
MW-13A				Water level only.
MW-14	X		X	
MW-15				Water level only
MW-16	X		X	
MW-16A	X		X	
MW-17	X		X	
MW-43	X		X	
OW-1				Observation well, water level only.
OW-2				Observation well, water level only.
Sump-1				Water/product level only.
South Area/Site MP-8				
MW-3				Possible future use/closeout.
MW-18	X		X	
MW-18A	X			
MW-18B	X			
MW-18C	X		X	
MW-18D	X		X	
MW-19	X		X	
MW-20	X		X	
MW-44	X			Also sampled for DRO, WDNR Modified Methods
Sump-2				Water/product level only. Sump discharge sampled bi-monthly.
Obsrv. Sump				Water/product level only.

VOCs = Volatile Organic Compounds
1 = EPA Analytical Method Number "Testing Methods for Evaluating Solid Waste, Physical/Chemical Methods." U.S. EPA, SW-846, 3rd Edition, September 1986.
= Samples collected for analysis of cyanide were field filtered prior to preservation.
NOTE: Water/product levels were measured at each well location.

TABLE 1
SEPTEMBER 1993 QUARTERLY GROUNDWATER SAMPLING AND ANALYSIS SPECIFICATIONS
CHRYSLER CORPORATION KENOSHA MAIN PLANT
KENOSHA, WISCONSIN (Continued)

Well Number	VOCs (8021)[1]	BTEX (8020)[1]	Cyanide* (335.2)[1]	Comments
North Area/Site MP-9				
MW-21	X			
MW-21A	X			
South Area/Site MP-12				
MW-22				Water level only. Well to be abandoned pending WDNR AST closeout.
South Area/Site MP-13				
MW-23				Water level only.
North Area/Site MP-14 (Bonnie Hame Property)				
MW-24A				Water level only. Well to be abandoned per WDNR approval.
North Area/Site MP-15 (North Receiving Lot)				
MW-5A				Water level only.
MW-24				Water level only.
North Area/Site MP-16				
MW-25	X			
MW-26	X			
MW-27	X			
MW-27A	X			
MW-27B	X			
MW-27C	X			
MW-27D	X			
MW-27E	X			
MW-28	X			
MW-45	X			
Sump 6				Water level only.
OW-5				Observation well, water level only.
OW-6				Observation well, water level only.
OW-7				Observation well, water level only
Engine Plant Property				
MW-1				Well is abandoned.
Quality Control				
Well Total	38		10	
Trip Blanks	4			
Quality Control Total	4			

VOCs = Volatile Organic Compounds

[1] = EPA Analytical Method Number "Testing Methods for Evaluating Solid Waste, Physical/Chemical Methods." U.S. EPA, SW-846, 3rd Edition, September 1986.

* = Samples collected for analysis of cyanide were field filtered prior to preservation.

NOTE: Water/product levels were measured at each well location.

TABLE 2
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-2

PARAMETER	MW-29	MW-29	MW-29	MW-29	MW-29A	MW-29A	MW-29A	MW-29A	MW-30	MW-30	MW-30	MW-30	MW-31	MW-31	MW-31	MW-31	MW-34R	MW-34R	MW-34R	NR 140**	
DATE	12/21/92	03/25/93	06/15/93	09/21/93	12/21/92	03/25/93	06/15/93	09/21/93	12/21/92	03/25/93	06/15/93	09/21/93	12/21/92	03/25/93	06/15/93	09/21/93	12/21/92	06/15/93	09/21/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2147	B3002	B4322	B1332	B2147	B3002	B4322	B1332	B2147	B3002	B4322	B1332	B2147	B3002	B4322	B1332	B3002	B4322		
VOLATILE ORGANIC COMPOUNDS																					
BENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.5	< 0.5	5	0.067
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	2.0	< 0.5	< 0.5	< 1.5	1.5	< 0.5	< 0.5	< 1.5	< 0.5	< 0.5	*	*
CHLOROETHANE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	400	80
DICHLORODIFLUOROMETHANE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	*	*
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.6	< 0.8	< 0.8	< 0.6	< 0.6	< 0.8	< 0.8	< 0.6	< 0.6	< 0.8	< 0.8	< 0.6	< 0.6	< 0.8	< 0.6	0.7	850	85
1,1-DICHLOROETHENE	< 1.3	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 0.5	1.8	< 1.3	< 0.5	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	< 1.5	< 1.0	< 0.6	< 0.6	< 1.5	< 1.0	< 0.6	< 0.6	< 1.5	< 1.0	< 0.6	< 0.6	2.2	2.5	3.5	1.4	< 1.5	< 0.6	< 0.6	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 0.7	< 1.2	< 1.2	< 0.7	< 0.7	< 1.2	< 1.2	< 0.7	< 0.7	< 1.2	< 1.2	< 0.7	< 0.7	< 1.2	< 0.7	< 0.7	100	20
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.5	< 0.5	*	*
METHYLENE CHLORIDE	< 2.1	2.6	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	< 2.1	5.1	< 2.0	< 2.0	< 2.1	7.0	< 2.0	< 2.0	< 2.1	< 2.0	< 2.0	150	15
TOLUENE	< 0.7	1.0	1.3	< 0.5	1.7	1.0	1.2	< 0.5	1.9	0.9	1.0	< 0.5	1.9	0.9	1.2	< 0.5	< 0.7	1.1	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	0.7	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	0.6	4.0	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	0.6	11	200	40
TRICHLOROETHENE	2.5	< 0.8	< 0.5	1.7	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	1.1	1.3	< 0.8	1.4	3.1	1.2	< 0.8	0.9	< 0.5	5	0.18
1,3,5-TRIMETHYLBENZENE	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.5	< 0.5	*	*
VINYL CHLORIDE	< 0.7	< 0.7	< 0.5	< 0.5	0.9	< 0.7	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	< 0.7	< 0.5	< 0.5	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	1.1	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	<0.5	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in $\mu g/l$ (parts per billion)

* No standards currently exist

** Per Chapter NR 140, Wisconsin Administrative Code

<1.0 Indicates Laboratory Quantification Limit

PAL Preventive Action Limit

[1] Field Duplicate Sample

[2] Duplication of Results hindered by high analyte concentration

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

W943046-2.1(Nb)

TABLE 2 (continued)
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-2

PARAMETER	MW-36A	MW-36A	MW-36A	MW-36A	MW-37	MW-37	MW-38	MW-38	MW-38D[1]	MW-38	MW-83[1]	MW-38	MW-83[1]	MW-40	MW-40	MW-40	MW-40	NR 140**	
DATE	12/21/92	03/25/93	06/15/93	09/21/93	12/21/92	03/26/93	12/21/92	03/25/93	03/25/93	06/15/93	06/15/93	09/21/93	09/21/93	12/21/92	03/25/93	06/15/93	09/21/93		
LABORATORY REPORT NUMBER	B1332	B2147	B3002	B4322	B1332	B2084	B1332	B2147	B2147	B3002	B3002	B4322	B4322	B1332	B2147	B3002	B4322	ENFORCEMENT STANDARD	PAL
VOLATILE ORGANIC COMPOUNDS																			
ENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	0.9	< 0.6	< 0.6	< 6	< 0.5	< 0.5	< 2.5	< 2.5	< 0.6	0.6	< 0.5	< 0.5	5	0.067
TERT-BUTYLBENZENE	< 1.5	1.7	< 0.5	< 0.5	< 1.5	< 1.5	< 1.5	< 1.5	< 15	< 0.5	< 0.5	< 2.5	< 2.5	< 1.5	1.7	< 0.5	< 0.5	*	*
CHLOROETHANE	50	33	31	41	< 1.0	< 1.0	33	< 10	< 10	18	18	25	20	< 1.0	< 1.0	1.2	16	400	80
DICHLORODIFLUOROMETHANE	< 1.0	< 1.0	0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 10	< 10	< 0.5	< 0.5	< 2.5	< 2.5	20	< 1.0	46	57	*	*
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.6	< 0.8	1.3	220	73	76	100	83	210	190	16	1.1	25	110	850	85
1,1-DICHLOROETHENE	< 1.3	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 1.3	< 13	< 13	1.2	1.3	< 2.5	< 2.5	< 1.3	< 1.3	< 0.5	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	12	7	9.4	7.5	< 1.5	< 1.0	320	270	270	270	180	550[2]	4302[2]	< 1.5	5.8	1.7	1.9	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 0.7	< 1.2	< 1.2	20	17	17	9.2	9.5	18	18	< 1.2	< 1.2	< 0.7	1.1	100	20
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.6	< 6	< 6	< 0.5	< 0.5	< 2.5	< 2.5	< 0.6	< 0.6	< 0.5	< 0.5	*	*
METHYLENE CHLORIDE	4.1	< 2.1	< 2.0	< 2.0	< 2.1	< 2.1	< 2.1	< 21	< 21	< 2.0	< 2.0	< 2.5[2]	37[2]	< 2.1	4.0	< 2.0	< 2.0	150	15
TOLUENE	2.3	0.9	1.2	< 0.5	< 0.7	< 0.7	1.7	8.1	8.2	1.2	1.2	< 2.5	< 2.5	1.6	< 0.7	1.2	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	0.6	< 0.5	< 0.8	< 0.8	1.0	< 8	9.5	0.9	9.9	< 2.5	< 2.5	2.9	1.0	1.5	2.1	200	40
TRICHLOROETHENE	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	23	26	29	13	17	33	32	2.8	0.8	3.5	5.0	5	0.18
1,3,5-TRIMETHYLBENZENE	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.8	< 8	< 8	< 0.5	< 0.5	< 2.5	< 2.5	< 0.8	< 0.8	< 0.5	< 0.5	*	*
VINYL CHLORIDE	16	4.5	23	9.8	< 0.7	< 0.7	460	210	240	340	240	380	320	< 0.7	6.7	0.8	3.0	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 10.0	< 10.0	< 0.5	< 0.5	< 2.5	< 2.5	< 1.0	1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 10	< 10	< 0.5	< 0.5	< 2.5	< 2.5	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
ND Not Detected
[1] Field Duplicate Sample
[2] Duplication of results hindered by high analyte concentration

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 2 (continued)
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-2

PARAMETER	MW-41	MW-41	MW-41	MW-41	NR 140**	
DATE	12/21/92	03/25/93	06/15/93	09/21/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2147	B3002	B4322		
VOLATILE ORGANIC COMPOUNDS						
BENZENE	< 0.6	0.8	1.5	< 0.5	5	0.067
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 0.5	< 0.5	•	•
CHLOROETHANE	< 1.0	< 1.0	< 0.5	< 0.5	400	80
DICHLORODIFLUOROMETHANE	< 1.0	20	< 0.5	< 0.5	•	•
1,1-DICHLOROETHANE	< 0.8	6.8	0.9	0.8	850	85
1,1-DICHLOROETHENE	< 1.3	< 1.3	< 0.5	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	< 1.5	< 1.0	< 0.6	< 0.6	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 0.7	100	20
ISOPROPYLBENZENE	< 0.6	< 0.6	0.7	< 0.5	•	•
METHYLENE CHLORIDE	< 2.1	< 2.1	< 2.0	< 2.0	150	15
TOLUENE	< 0.7	0.8	1.2	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	1.7	0.8	< 0.5	200	40
TRICHLOROETHENE	< 0.8	2.3	< 0.5	< 0.5	5	0.18
1,3,5-TRIMETHYLBENZENE	< 0.8	< 0.8	< 0.5	< 0.5	•	•
VINYL CHLORIDE	< 0.7	0.9	< 0.5	< 0.5	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	< 1.0	1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
• No standards currently exist
•• Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
[1] Field Duplicate Sample
[2] Duplication of Results hindered by high analyte concentration

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 3
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-3

PARAMETER	MW-11	MW-11	MW-11	MW-11A	MW-11A	MW-11B	MW-11B	MW-11B	MW-11B	MW-11C	NR 140**	
DATE	12/21/92	03/26/93	06/16/93	06/15/93	09/24/93	12/21/92	03/24/93	06/15/93	09/23/93	03/26/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2084	B5972	B3002	B4440	B1332	B2102	B3002	B4440	B2084		
VOLATILE ORGANIC COMPOUNDS												
BENZENE	68	82	95	41	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	0.7	5	0.067
N-BUTYLBENZENE	6.0	< 27	< 25	2.4	< 0.5	< 1.1	< 1.1	< 0.5	4.0	1.7	•	•
SEC-BUTYLBENZENE	< 0.7	< 17	< 40	1.1	< 0.8	< 0.7	< 0.7	< 0.8	< 0.8	< 0.7	•	•
CHLOROETHANE	< 1.0	< 25	< 25	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	65	400	80
1,1-DICHLOROETHANE	< 0.8	< 20	< 30	< 0.6	< 0.6	< 0.8	< 0.8	< 0.6	< 0.6	3.4	850	85
CIS-1,2-DICHLOROETHENE	2.6	< 37	< 30	< 0.6	< 0.6	< 1.5	< 1.0	< 0.6	2.0	1.8	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 30	< 35	< 0.7	< 0.7	< 1.2	< 1.2	< 0.7	0.9	2.4	100	20
ETHYLBENZENE	510	460	1100	1.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	1.2	27	25	6.9	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	•	•
P-ISOPROPYLTOLUENE	< 0.7	< 17	< 25	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	0.5	0.9	•	•
METHYLENE CHLORIDE	< 2.1	100	< 100	< 2.0	< 2.0	2.7	< 2.1	< 2.0	< 2.0	2.6	150	15
NAPHTHALENE	< 1.5	< 37	57	1.0	< 0.7	< 1.5	< 1.5	< 0.7	< 0.7	< 1.5	40	8
N-PROPYLBENZENE	35	< 22	30	9.2	< 0.6	< 0.9	< 0.9	< 0.6	< 0.6	< 0.9	•	•
TETRACHLOROETHENE	< 0.9	< 22	< 25	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	0.6	< 0.9	1	0.1
TOLUENE	19	48	81	2.9	< 0.5	1.9	< 0.7	1.1	< 0.5	0.7	343	68.6
TRICHLOROETHENE	2.9	< 20	< 25	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	5	0.18
1,2,4-TRIMETHYLBENZENE	64	69	100	2.2	1.2	< 1.0	< 1.0	< 0.9	< 0.9	1.8	•	•
1,3,5-TRIMETHYLBENZENE	94	100	97	1.1	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	1.3	•	•
VINYL CHLORIDE	< 0.7	< 17	< 25	<0.5	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	0.8	0.2	0.0015
O-XYLENE	17	45	< 25	<0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	1100	1100	1900	14	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
• No standards currently exist
•• Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 4
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-4

PARAMETER	MW-12	MW-12	MW-12	MW-12	NR140**	
DATE	12/21/92	03/25/93	06/15/93	09/21/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2147	B3002	B4322		
VOLATILE ORGANIC COMPOUNDS						
TERT-BUTYLBENZENE	< 1.5	1.7	< 0.5	< 0.5	*	*
TOLUENE	1.7	0.8	1.2	< 0.5	343	68.6
O-XYLENE	< 1.0	1.1	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit

Laboratory analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

W943048-50JDJ

TABLE 5
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-5

PARAMETER	MW- 5	MW- 5	MW- 5	MW-5	NR 140**	
DATE	12/23/92	03/26/93	06/17/93	09/22/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2084	B3092	B4226		
VOLATILE ORGANIC COMPOUNDS						
BENZENE	68	110	100	35	5	0.067
N-BUTYLBENZENE	2.5	N/A	N/A	1.8	•	•
TERT-BUTYLBENZENE	2.4	N/A	N/A	2.1	•	•
CHLOROETHANE	5.1	N/A	N/A	5.3	400	80
CIS-1,2-DICHLOROETHENE	3.6	N/A	N/A	5.0	100	10
ETHYLBENZENE	6.3	12	< 5.0	1.8	1360	272
ISOPROPYLBENZENE	< 0.6	N/A	N/A	0.7	•	•
NAPHTHALENE	< 1.5	N/A	N/A	3.3	40	8
N-PROPYLBENZENE	4.3	N/A	N/A	1.3	•	•
TOLUENE	1.9	5	< 5.0	< 0.5	343	68.6
1,2,4-TRIMETHYLBENZENE	< 1.0	N/A	N/A	5.4	•	•
1,3,5-TRIMETHYLBENZENE	4.0	N/A	N/A	< 0.5	•	•
VINYL CHLORIDE	0.8	N/A	N/A	< 0.5	0.2	0.0015
O-XYLENE	3.6	N/A	N/A	< 0.5	620 (TOTAL)	124 (TOTAL)
XYLENES (Total)***	3.6	7	< 5.0	1.4	620 (TOTAL)	124 (TOTAL)

Note: All values in $\mu g/l$ (parts per billion)
• No standards currently exist
•• Per Chapter NR 140, Wisconsin Administrative Code
••• Sum of O-Xylene and M&P-Xylene
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
N/A Not Analyzed

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 6
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-7

PARAMETER	MW-14	MW-14	MW-14	MW-14	MW-16	MW-16	MW-16D[1]	MW-16	MW-61[1]	MW-16	MW-61[1]	MW-16A	MW-16A	MW-16A	MW-16A	NR 140**	
DATE	12/15/92	03/25/93 03/26/93	06/17/93	09/23/93	12/15/92	03/25/93 03/26/93	03/25/93 03/26/93	06/17/93	06/17/93	09/23/93	09/23/93	12/15/92	03/25/93 03/26/93	06/17/93	09/23/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1306	B2147/ B2084	B3092	B4440	B1306	B2147/ B2084	B2147/ B2084	B3092	B3092	B4440	B4440	B1306	B2187/ B2084	B3092	B4440		
INORGANICS																	
CYANIDE	< 10	< 10	< 10	< 10	500	440	< 10	310	260	170	150	20	< 10	70	10	200	40
VOLATILE ORGANIC COMPOUNDS																	
BENZENE	< 0.6	< 0.6	<0.5	< 0.5	< 0.6	0.8	< 0.6	< 0.5	<0.5	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	5	0.067
N-BUTYLBENZENE	< 1.1	< 1.1	< 0.5	0.6	< 1.1	< 1.1	< 1.1	< 0.5	< 0.5	< 0.5	0.6	< 1.1	< 1.1	< 0.5	< 0.5	•	•
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	< 1.5	< 1.5	< 0.5	<0.5	< 0.5	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	•	•
CHLORODIBROMOMETHANE	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	< 1.5	< 1.5	< 0.5	< 0.5	4.3	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	215	43
CHLOROETHANE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	2.1	1.8	4.2	5.0	< 0.5	4.0	< 1.0	< 1.0	< 0.5	< 0.5	400	80
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.6	< 0.8	1.0	1.4	2.5	2.2	1.3	1.6	< 0.8	< 0.8	< 0.6	< 0.6	850	85
CIS-1,2-DICHLOROETHENE	< 1.0	< 1.0	< 0.6	1.9	< 1.0	< 1.0	< 1.0	<0.6	<0.6	1.9	1.8	< 1.0	< 1.0	< 0.6	< 0.6	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 0.7	< 1.2	< 1.2	< 1.2	< 0.7	<0.7	< 0.7	< 0.7	< 1.2	< 1.2	< 0.7	< 0.7	100	20
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	0.7	0.8	< 0.5	<0.5	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	•	•
METHYLENE CHLORIDE	< 2.1	< 2.1	7.5	< 2.0	< 2.1	< 2.1	< 2.1	< 2.0	<2.0	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	150	15
TOLUENE	< 0.7	0.9	< 0.5	< 0.5	< 0.7	1.0	0.8	< 0.5	<0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	2.1	2.6	5.0	4.2	0.6	0.8	< 0.8	< 0.8	< 0.5	< 0.5	200	40
TRICHLOROETHENE	< 0.8	< 0.8	< 0.5	1.2	< 0.8	1.0	1.0	1.7	1.5	1.2	1.0	< 0.8	< 0.8	< 0.5	< 0.5	5	0.18
O-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	< 1.0	1.0	< 0.5	< 0.5	< 1.0	1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion
• No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
*** Possible carry over
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
N/A Not Analyzed
[1] Field Duplicate Sample

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 6 (continued)
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-7

PARAMETER	MW-17	MW-17	MW-17	MW-17	MW-43	MW-43	MW-43	MW-43	NR 140**	
DATE	12/22/92	03/24/93	06/16/93	09/23/93	12/22/92	03/24/93 03/26/93	06/16/93	09/23/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1326/ B1332	B2102	B5972	B4440	B1332/ B1326	B2102/ B2084	B5972	B4440		
INORGANICS										
CYANIDE	< 10	N/A	< 10	< 10	< 10	70	< 10	140	200	40
VOLATILE ORGANIC COMPOUNDS										
BENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	5	0.067
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	*	*
CHLOROETHANE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	400	80
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.6	< 0.8	0.9	< 0.6	1.6	850	85
CIS-1,2-DICHLOROETHENE	< 1.5	8.4	< 0.6	< 0.6	8.2	8.1	1.9	10	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 0.7	13	12	1.6	6.9	100	20
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	*	*
METHYLENE CHLORIDE	< 2.1	2.6	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	150	15
TOLUENE	< 0.7	< 0.7	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	200	40
TRICHLOROETHENE	< 0.8	3.5***	< 0.5	0.6	21	17	5.5	7.0	5	0.18
O-XYLENE	1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
*** Possible carryover
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
N/A Not Analyzed
' Field Duplicate Sample

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-8

PARAMETER	MW-18	MW-18	MW-18 MW-18E[1]	MW-18	MW-81[1]	MW-18	MW-81[1]	MW-18A	MW-18A	MW-18A	MW-18A	NR 140**	
DATE	12/22/92	03/24/93 03/26/93	03/24/93 03/26/93	06/16/93	06/16/93	09/23/93	09/23/93	12/22/92	03/24/93	06/16/93	09/21/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332/ B1326	B2102/ B2084	B2102 B2084	B5972	B5972	B4440	B4440	B1332	B2102	B5972	B4322		
INORGANICS													
CYANIDE	< 10	< 10	210	< 10	< 10	< 10	< 10	N/A	N/A	N/A	N/A	200	40
OTHER													
DIESEL RANGE ORGANICS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	•	•
VOLATILE ORGANIC COMPOUNDS													
BENZENE	< 0.6	< 0.6	< 0.6	< 25	< 25	0.6	0.6	< 0.6	< 0.6	< 0.5	< 0.5	5	0.067
N-BUTYLBENZENE	< 1.1	< 1.1	< 0.6	< 25	< 25	190	0.5	2.1	< 1.1	< 0.5	< 0.5	•	•
CHLOROETHANE	1.1	< 1.0	< 1.1	< 25	< 25	< 0.5	1.9	< 1.0	< 1.0	< 0.5	< 0.5	400	80
1,1-DICHLOROETHANE	7.2	2.8	< 1.0	< 30	< 30	3.4	3.8	< 0.8	< 0.8	< 0.6	< 0.6	850	85
1,2-DICHLOROETHANE	< 0.9	< 0.9	2.4	< 25	< 25	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	< 0.5	5	0.05
1,1-DICHLOROETHENE	7.7	5.7	< 0.9	< 25	< 25	8.0	11	< 1.3	< 1.3	< 0.5	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	680	510	4.6	1900	1900	1,500	1100	< 1.5	< 1.0	< 0.6	< 0.6	100	10
TRANS-1,2-DICHLOROETHENE	690	90	520	140	160	300	230	< 1.2	< 1.2	< 0.7	< 0.7	100	20
1,1-DICHLOROPROPENE	< 0.5	< 0.5	140	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	•	•
ETHYLBENZENE	< 0.5	< 0.5	< 0.5	< 25	< 25	< 0.5	< 0.5	7.6	< 0.5	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 25	< 25	< 0.5	< 0.5	1.7	< 0.6	< 0.5	< 0.5	•	•
P-ISOPROPYLTOLUENE	< 0.7	< 0.7	< 0.6	< 25	< 25	< 0.5	1.0	< 0.7	< 0.7	< 0.5	< 0.5	•	•
METHYLENE CHLORIDE	< 2.1	6.1	< 0.7	<100	< 100	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	150	15
NAPHTHALENE	< 1.5	< 1.5	< 2.1	< 35	< 35	< 0.7	< 0.7	< 1.5	< 1.5	< 0.7	< 0.7	40	8
N-PROPYLBENZENE	< 0.9	< 0.9	< 1.5	< 30	< 30	< 0.6	< 0.6	2.3	< 0.9	< 0.6	< 0.6	•	•
TOLUENE	1.5	< 0.7	< 0.9	< 25	< 25	< 0.5	< 0.5	2.1	< 0.7	< 0.5	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	8.3	< 0.8	< 0.7	< 25	< 25	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	200	40
TRICHLOROETHENE	1600	1600	< 0.8	1200	1300	3,000	2,300	< 0.8	< 0.8	< 0.5	< 0.5	5	0.18
1,2,4-TRIMETHYLBENZENE	< 1.0	< 1.0	1700	< 45	< 45	< 0.9	< 0.9	4.4	< 1.0	< 0.9	< 0.9	•	•
1,3,5-TRIMETHYLBENZENE	< 0.8	< 0.8	< 1.0	< 25	< 25	< 0.5	< 0.5	2.1	< 0.8	< 0.5	< 0.5	•	•
VINYL CHLORIDE	2100	440	< 0.8	970	1200	270	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	440	< 25	< 25	< 0.5	< 0.5	1.5	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	< 1.0	< 1.0	< 1.0	< 25	< 25	< 0.5	< 0.5	9.9	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
• No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
N/A Not Analyzed
[1] Field Duplicate Sample
[2] Methylene chloride is a commonly used laboratory solvent. Therefore, the results may be biased high.

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

W943046-8.16/N

TABLE 7 (continued)
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-8

PARAMETER	MW-18B	MW-18B	MW-18B	MW-18B	MW-18C	MW-18C	MW-18C	MW-18C	MW-18D	MW-18D (MW-18DD)	MW-18D	MW-18D	MW-19	MW-19	NR 140**	
DATE	12/22/92	03/24/93	06/16/93	09/21/93	12/22/92	03/26/93	06/16/93	09/21/93	12/22/92	03/24/93 03/25/93	06/16/93	09/23/93	12/22/92	03/24/93 03/26/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2102	B5972	B4322	B1332/ B1326	B2084	B5972	B4322	B1332/ B1326	B2102 B2147	B5972	B4440	B1332/ B1326	B2102/ B2804		
INORGANICS																
CYANIDE	N/A	N/A	N/A	N/A	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	200	40
OTHER																
DIESEL RANGE ORGANICS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	•	•
VOLATILE ORGANIC COMPOUNDS																
BENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 15	< 12	0.7	< 0.6	< 0.6	< 2.0	< 0.5	< 0.6	< 0.6	5	0.067
BROMOBENZENE	< 1.2	< 1.2	< 0.5	< 0.5	< 1.2	< 30	< 12	< 0.5	< 1.2	< 1.2	< 2.0	4.5	< 1.2	< 1.2	•	•
N-BUTYLBENZENE	< 1.1	< 1.1	< 0.5	< 0.5	< 1.1	< 27	< 13	2.3	2.0	< 0.6	< 2.0	2.5	< 1.1	< 1.1	•	•
SEC-BUTYLBENZENE	< 0.7	< 0.7	< 0.8	< 0.8	< 0.7	< 17	< 20	< 0.8	< 0.7	< 0.7	< 4.0	3.7	< 0.7	< 0.7	•	•
CHLOROETHANE	< 1.0	< 1.0	< 0.5	< 0.5	2.4	< 25	< 13	1.7	< 1.0	9.8	< 2.0	< 0.5	6.6	7.9	400	80
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.6	190	99	58	170	< 0.8	< 1.0	< 3.0	< 0.6	14	6.5	850	85
1,2-DICHLOROETHANE	< 0.9	< 0.9	< 0.5	< 0.5	< 0.9	< 22	< 13	< 0.5	< 0.9	< 0.8	< 2.0	< 0.5	14	< 0.9	5	0.05
1,1-DICHLOROETHENE	< 1.3	< 1.3	< 0.5	< 0.5	9.6	< 32	< 13	7.9	< 1.3	< 0.9	< 2.0	< 0.5	< 1.3	< 1.3	7	0.024
CIS-1,2-DICHLOROETHENE	< 1.5	< 1.0	< 0.6	< 0.6	960	860	450	1,600	< 1.5	< 1.3	< 3.0	7.6	8.6	5.6	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 0.7	93	57	20	81	< 1.2	2.9	< 4.0	1.0	1.5	< 1.2	100	20
1,1-DICHLOROPROPENE	< 0.5	< 0.5	< 0.5	< 0.5	4.5	< 13	< 13	< 0.5	< 0.5	< 1.2	< 2.0	< 0.5	< 0.5	< 0.5	•	•
ETHYLBENZENE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	14	< 13	< 0.5	< 0.5	< 0.5	< 2.0	0.6	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 15	< 13	< 0.5	< 0.6	1.4	3.0	< 0.5	< 0.6	< 0.6	•	•
P-ISOPROPYLTOLUENE	< 0.7	< 0.7	< 0.5	< 0.5	< 0.7	< 17	< 13	< 0.5	2.2	< 0.7	4.0	2.7	< 0.7	< 0.7	•	•
METHYLENE CHLORIDE	< 2.1	< 2.1	5.4	< 2.0	< 2.1	92	< 50	< 2.0	< 2.1	< 2.1	< 10	< 2.0	< 2.1	< 2.1	150	15
NAPHTHALENE	< 1.5	< 1.5	< 0.7	< 0.7	< 1.5	190	28	2.8	< 1.5	< 1.5	47	< 0.7	< 1.5	< 1.5	40	8
N-PROPYLBENZENE	< 0.9	< 0.9	< 0.6	< 0.6	< 0.9	< 22	< 15	< 0.6	3.2	< 0.9	13	< 0.6	< 0.9	< 0.9	•	•
TOLUENE	1.9	< 0.7	< 0.5	< 0.5	< 0.7	< 18	< 13	< 0.5	1.5	< 0.7	< 2.0	< 0.5	< 0.7	< 0.7	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 0.5	0.8	< 0.8	< 20	< 13	0.8	< 0.8	< 0.8	< 2.0	< 0.5	< 0.8	< 0.8	200	40
TRICHLOROETHENE	< 0.8	< 0.8	< 0.5	< 0.5	1100	490	350	< 0.5	< 0.8	< 0.8	<2.0	12	46	27	5	0.18
1,2,4-TRIMETHYLBENZENE	< 1.0	< 1.0	< 0.9	< 0.9	< 1.0	< 25	< 23	< 0.9	9.2	< 1.0	<5.0	4.4	< 1.0	< 1.0	•	•
1,3,5-TRIMETHYLBENZENE	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	25	< 13	< 0.5	2.7	< 0.8	<2.0	< 0.5	< 0.8	< 0.8	•	•
VINYL CHLORIDE	< 0.7	< 0.7	< 0.5	< 0.5	64	60	43	< 0.5	< 0.7	< 0.7	<2.0	< 0.5	4.1	4.1	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 25	< 13	< 0.5	2.5	< 1.0	8.0	2.4	< 1.0	< 1.0	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 25	< 13	< 0.5	1.5	< 1.0	<2.0	< 0.5	< 1.0	< 1.0	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
• No standards currently exist
•• Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
N/A Not Analyzed
1 Field Duplicate Sample
2 Methylene Chloride is a commonly used laboratory solvent. Therefore, the results may be biased high.

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 7 (continued)
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-8

PARAMETER	MW-19	MW-19	MW-20	MW-20	MW-20	MW-20	MW-44	MW-44	NR 140**	
DATE	06/16/93	09/23/93	12/22/92	03/24/93 03/26/93	06/16/93	09/23/93	06/09/93	09/24/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B5972	B4440	B1332/ B1338	B2102/ B2084	B5972	B4440	B2876	B4440		
INORGANICS										
CYANIDE	< 10	< 10	< 10	10.0	20	40	N/A	N/A	200	40
OTHER										
DIESEL RANGE ORGANICS	N/A	N/A	N/A	N/A	N/A	N/A	< 50	< 50	*	*
VOLATILE ORGANIC COMPOUNDS										
BENZENE	< 0.5	< 0.5	< 6.0	< 0.6	< 12	< 5.0	< 0.5	0.9	5	0.067
N-BUTYLBENZENE	< 0.5	< 0.5	< 11	< 1.1	64	40	< 0.5	< 0.5	*	*
SEC-BUTYLBENZENE	< 0.8	< 0.8	< 7.0	< 0.7	< 20	8.2	< 0.8	< 0.8	*	*
CHLOROETHANE	1.3	< 0.5	53	21	23	15	< 0.5	< 0.5	400	80
1,1-DICHLOROETHANE	3.7	< 0.6	98	42	48	10	< 0.6	< 0.6	850	85
1,2-DICHLOROETHANE	< 0.5	< 0.5	< 9	< 0.9	< 13	< 5.0	< 0.5	< 0.5	5	0.05
1,1-DICHLOROETHENE	< 0.5	< 0.5	< 13	< 1.3	< 13	< 5.0	< 0.5	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	2.9	11	410	430	620	90	1.4	1.9	100	10
TRANS-1,2-DICHLOROETHENE	< 0.7	0.9	24	< 1.2	< 18	< 7.0	< 0.7	< 0.7	100	20
1,1-DICHLOROPROPENE	< 0.5	< 0.5	< 5	< 0.5	< 13	< 5.0	< 0.5	< 0.5	*	*
ETHYLBENZENE	< 0.5	< 0.5	< 5	< 0.5	< 13	< 5.0	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.5	< 0.5	< 6	< 0.6	14	< 5.0	< 0.5	< 0.5	*	*
P-ISOPROPYLTOLUENE	< 0.5	0.5	< 7	< 0.7	15	7.0	< 0.5	< 0.5	*	*
METHYLENE CHLORIDE	< 2.0	2.2[2]	< 21	< 2.1	< 50	< 20	< 2.0	3.0[2]	150	15
NAPHTHALENE	< 0.7	< 0.7	< 15	< 1.5	< 18	< 7.0	< 0.7	< 0.7	40	8
N-PROPYLBENZENE	< 0.6	< 0.6	< 9	< 0.9	< 15	< 6.0	< 0.6	< 0.6	*	*
TETRACHLOROETHENE	< 0.5	< 0.5	< 9.0	< 0.9	< 12	13	< 0.5	< 0.5	1	0.1
TOLUENE	< 0.5	< 0.5	< 7	< 0.7	< 13	< 5.0	1.3	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.5	0.7	< 8	2.1	< 13	< 5.0	< 0.5	< 0.5	200	40
TRICHLOROETHENE	31	41	53	58	34	7.0	< 0.5	< 0.5	5	0.18
TRICHLOROFLUOROMETHANE	< 0.5	< 0.5	< 8.0	< 0.8	< 12	8.0	< 0.5	< 0.5	3490	698
1,2,4-TRIMETHYLBENZENE	< 0.9	0.9	< 10	< 1.0	< 23	< 9.0	< 0.9	< 0.9	*	*
1,3,5-TRIMETHYLBENZENE	< 0.5	< 0.5	< 8	< 0.8	< 13	< 5.0	< 0.5	< 0.5	*	*
VINYL CHLORIDE	0.6	1.6	56	11	< 13	< 5.0	< 0.5	< 0.5	0.2	0.0015
O-XYLENE	< 0.5	< 0.5	< 10	< 1.0	< 13	9.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	< 0.5	7.4	< 10	< 1.0	< 13	< 5.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
N/A Not Analyzed
[1] Field Duplicate Sample
[2] Methylene Chloride is a commonly used laboratory solvent. Therefore, the results may be biased high.

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

W943048-8.3(NL)

TABLE 8
SUMMARY OF DETECTED CONSTITUTENTS IN
GROUNDWATER SAMPLES
SITE MP-9

PARAMETER	MW-21	MW-21	MW-21	MW-21	MW-21A	MW-21A	MW-21A	MW-21A	NR 140**	
DATE	12/23/92	03/26/93	06/17/93	09/22/93	12/23/92	03/26/93	06/17/93	09/22/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2084	B3092	B4226	B1332	B2084	B3092	B4226		
VOLATILE ORGANIC COMPOUNDS										
BENZENE	3.4	1.4	4.6	0.7	< 0.6	< 3	< 1.0	< 0.5	5	0.067
N-BUTYLBENZENE	6.8	< 1.1	<0.5	< 0.5	6.8	< 6	< 1.0	< 0.5	*	*
TERT-BUTYLBENZENE	< 1.5	1.6	1.2	< 0.5	< 1.5	< 7	< 1.0	< 0.5	*	*
CHLOROETHANE	< 1.0	< 1.0	<0.5	0.5	44	28	17	10	400	80
CIS-1,2-DICHLOROETHENE	< 1.5	1.7	1.1	2.1	280	120	75	150	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	<0.7	< 0.7	7.4	< 6	1.7	3.0	100	20
ETHYLBENZENE	1.7	1.0	<0.5	< 0.5	< 0.5	< 3	< 1.0	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.6	5.6	10	7.8	< 0.6	< 3	< 1.0	< 0.5	*	*
METHYLENE CHLORIDE	< 2.1	< 2.1	<2.0	< 2.0	< 2.1	11	< 4.0	< 2.0	150	15
N-PROPYLBENZENE	12	< 0.9	1.5	2.9	< 0.9	< 5	< 1.2	< 0.6	*	*
STYRENE	< 1.0	1.5	0.6	< 0.6	< 1.0	< 6	< 1.2	< 0.6	*	*
TOLUENE	< 0.7	0.8	2.2	1.0	1.7	< 4	< 1.0	< 0.5	343	68.6
1,2,4-TRIMETHYLBENZENE	35	< 1.0	<0.9	< 0.9	< 1.0	< 5	< 1.8	< 0.9	*	*
1,3,5-TRIMETHYLBENZENE	8.9	1.0	<0.5	< 0.5	< 0.8	4.1	< 1.0	< 0.5	*	*
VINYL CHLORIDE	< 0.7	< 0.7	1.5	1.4	88	22	11	30	0.2	0.0015
O-XYLENE	2.0	< 1.0	0.9	< 0.5	< 1.0	< 5	< 1.0	< 0.5	620 (TOTAL)	124 (TOTAL)
M&P-XYLENE	1.4	< 1.0	1.8	0.6	< 1.0	< 5	< 1.0	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

W943048-3(Nb)

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-16

PARAMETER	MW-25	MW-25	MW-25	MW-25	MW-52[1]	MW-26	MW-26	MW-26	MW-26	MW-27	MW-27	MW-27	MW-27	MW-27A	MW-27A	MW-27A	MW-27A	NR 140**	
DATE	12/22/92	03/24/93	06/16/93	09/22/93	09/22/93	12/22/92	03/24/93	06/15/93	09/22/93	12/21/92	03/24/93	06/15/93	09/22/93	12/22/92	03/24/93	06/15/93	09/22/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2102	B5972	B4226	B4226	B1332	B2102	B3002	B4226	B1332	B2102	B3002	B4226	B1332	B2102	B3002	B4226		
VOLATILE ORGANIC COMPOUNDS																			
BENZENE	< 0.6	< 0.6	<12	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	0.6	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	5	0.067
BROMOFORM	2.5	< 2.1	<12	< 0.5	< 0.5	< 2.1	< 2.1	< 0.5	< 0.5	< 2.1	< 2.1	< 0.5	< 0.5	< 2.1	< 2.1	< 0.5	< 0.5	4.4	0.44
N-BUTYLBENZENE	< 1.1	< 1.1	<12	< 0.5	< 0.5	< 1.1	< 1.1	< 0.5	< 0.5	< 1.1	< 1.1	0.6	< 0.5	< 1.1	< 1.1	< 0.5	< 0.5	*	*
SEC-BUTYLBENZENE	< 0.7	< 0.7	<20	< 0.8	< 0.8	< 0.7	< 0.7	< 0.8	< 0.8	< 0.7	< 0.7	0.9	< 0.8	< 0.7	< 0.7	< 0.8	< 0.8	*	*
TERT-BUTYLBENZENE	< 1.5	< 1.5	<12	< 0.5	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	< 1.5	0.6	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	*	*
CARBON TETRACHLORIDE	4.8	< 0.8	< 12	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	5	0.5
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 15	< 0.6	< 0.6	< 0.8	< 0.8	0.6	0.8	12	17	7.9	< 0.6	< 0.8	< 0.8	< 0.6	< 0.6	850	85
1,2-DICHLOROETHANE	< 0.9	< 0.9	< 12	2.0	2.7	< 0.9	< 0.9	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	0.6	< 0.9	< 0.9	< 0.5	< 0.5	5	0.5
1,1-DICHLOROETHENE	< 1.3	11	< 12	5.6	7.8	< 1.3	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 0.5	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	490	510	640	680	600	1.6	< 1.0	< 0.6	< 0.6	60	23	34	35	2.3	4.5	1.7	1.9	100	10
TRANS-1,2-DICHLOROETHENE	1480	1200	< 17	840	800	< 1.2	< 1.2	< 0.7	< 0.7	120	41	30	25	< 1.2	< 1.2	0.9	< 0.7	100	20
1,3-DICHLOROPROPANE	< 1.0	< 1.0	< 12	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	3.1	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	*	*
1,1-DICHLOROPROPENE	< 0.5	< 0.5	< 12	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.8	2.2	0.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	*	*
ETHYLBENZENE	< 0.5	< 0.5	< 12	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.0	< 0.5	0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.6	< 0.6	< 12	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	3.6	2.1	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	*	*
METHYLENE CHLORIDE	< 2.1	4.3	< 50	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	150	15
NAPHTHALENE	< 1.5	< 1.5	< 17	< 0.7	< 0.7	< 1.5	< 1.5	< 0.7	< 0.7	< 1.5	< 1.5	1.9	< 0.7	< 1.5	< 1.5	< 0.7	< 0.7	40	8
N-PROPYLBENZENE	< 0.9	< 0.9	< 15	< 0.6	< 0.6	< 0.9	< 0.9	< 0.6	< 0.6	1.4	< 0.9	< 0.6	< 0.6	< 0.9	< 0.9	< 0.6	< 0.6	*	*
TETRACHLOROETHENE	< 0.9	< 0.9	< 12	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	< 0.5	< 0.9	< 0.9	2.7	1.0	< 0.9	< 0.9	< 0.5	< 0.5	1	0.1
TOLUENE	< 0.7	< 0.7	< 12	< 0.5	< 0.5	1.3	< 0.7	1.1	< 0.5	2.2	< 0.7	1.3	< 0.5	1.4	< 0.7	1.2	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 12	< 0.5	< 0.5	4.0	1.3	1.8	1.5	34	69	22	9.0	< 0.8	< 0.8	< 0.5	< 0.5	200	40
TRICHLOROETHENE	530	300	55	52	46	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	1.8	0.5	< 0.8	< 0.8	< 0.5	< 0.5	5	0.18
VINYL CHLORIDE	620	470	710	1,000	900	< 0.7	< 0.7	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	8.0	18	7.1	2.6	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	< 12	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	1.0	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
[1] Field Duplicate Sample

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 9 (continued)
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-16

PARAMETER	MW-27B	MW-27B	MW-27B[1]	MW-27B	MW-72[1]	MW-27B	MW-27C	MW-27C	MW-27C	MW-27C	MW-27D	MW-27D	MW-27D	MW-27D	NR 140**	
DATE	12/22/92	03/24/93	03/24/93	06/15/93	06/15/93	09/22/93	12/21/92	03/24/93	06/15/93	09/22/93	12/21/92	03/24/93	06/15/93	09/22/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2102	B2102	B3002	B3002	B4226	B1332	B2102	B3002	B4226	B1332	B2102	B3002	B4226		
VOLATILE ORGANIC COMPOUNDS																
BENZENE	< 0.6	< 0.6	< 0.6	< 0.5	<0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	5	0.067
BROMOFORM	< 2.1	< 2.1	< 2.1	< 0.5	< 0.5	< 0.5	< 2.1	< 2.1	< 0.5	< 0.5	< 2.1	< 2.1	< 0.5	< 0.5	4.4	0.44
N-BUTYLBENZENE	< 1.1	< 1.1	< 1.1	< 0.5	< 0.5	< 0.5	< 1.1	< 1.1	< 0.5	< 0.5	< 1.1	< 1.1	< 0.5	< 0.5	*	*
SEC-BUTYLBENZENE	< 0.7	< 0.7	< 0.7	< 0.8	< 0.8	< 0.8	< 0.7	< 0.7	< 0.8	< 0.8	< 0.7	< 0.7	< 0.8	< 0.8	*	*
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 1.5	< 0.5	< 0.5	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	*	*
CARBON TETRACHLORIDE	< 0.8	< 0.8	< 0.8	< 0.5	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	5	0.5
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.8	< 0.6	< 0.6	< 0.6	< 0.8	< 0.8	0.8	< 0.6	< 0.8	< 0.6	< 0.6	< 0.6	850	85
1,2-DICHLOROETHANE	< 0.9	< 0.9	< 0.9	< 0.5	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	< 0.5	5	0.5
1,1-DICHLOROETHENE	< 1.3	< 1.3	< 1.3	< 0.5	< 0.5	< 0.5	< 1.3	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 0.5	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	< 1.5	< 1.0	< 1.0	< 0.6	< 0.6	< 0.6	< 1.5	< 1.0	< 0.6	< 0.6	9.3	7.4	< 0.6	1.3	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 1.2	< 0.7	0.8	< 0.7	< 1.2	< 1.2	< 0.7	< 0.7	5.7	1.5	< 0.7	< 0.7	100	20
1,3-DICHLOROPROPANE	< 1.0	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	*	*
1,1-DICHLOROPROPENE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	*	*
ETHYLBENZENE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.6	< 0.5	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	*	*
METHYLENE CHLORIDE	< 2.1	< 2.1	< 2.1	3.7	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	150	15
NAPHTHALENE	< 1.5	< 1.5	< 1.5	< 0.7	< 0.7	< 0.7	< 1.5	< 1.5	< 0.7	< 0.7	< 1.5	< 1.5	< 0.7	< 0.7	40	8
N-PROPYLBENZENE	< 0.9	< 0.9	< 0.9	< 0.6	< 0.6	< 0.6	< 0.9	< 0.9	< 0.6	< 0.6	< 0.9	< 0.9	< 0.6	< 0.6	*	*
TETRACHLOROETHENE	< 0.9	< 0.9	< 0.9	< 0.5	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	< 0.5	1	0.1
TOLUENE	1.3	< 0.7	< 0.7	1.3	1.2	< 0.5	2.3	< 0.7	1.3	< 0.5	1.6	< 0.7	1.3	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 0.8	< 0.5	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	200	40
TRICHLOROETHENE	75	65	58	28	40	20	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	5	0.18
VINYL CHLORIDE	< 0.7	< 0.7	< 0.7	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	< 0.5	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
[1] Field Duplicate Sample

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

TABLE 9 (continued)
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-16

PARAMETER	MW-27E	MW-27E	MW-27E	MW-27E	MW-28	MW-28	MW-28	MW-28	NR 140**	
DATE	12/22/92	03/24/93	06/15/93	09/22/93	12/21/92	03/24/93	06/15/93	09/22/93	ENFORCEMENT STANDARD	PAL
LABORATORY REPORT NUMBER	B1332	B2102	B3002	B4226	B1332	B2102	B3002	B4226		
VOLATILE ORGANIC COMPOUNDS										
BENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	5	0.067
BROMOFORM	< 2.1	< 2.1	< 0.5	< 0.5	< 2.1	< 2.1	< 0.5	< 0.5	4.4	0.44
N-BUTYLBENZENE	< 1.1	< 1.1	< 0.5	< 0.5	< 1.1	< 1.1	< 0.5	< 0.5	*	*
SEC-BUTYLBENZENE	< 0.7	< 0.7	< 0.8	< 0.8	< 0.7	< 0.7	< 0.8	< 0.8	*	*
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	< 1.5	< 0.5	< 0.5	*	*
CARBON TETRACHLORIDE	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	5	0.5
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.6	< 0.8	< 0.8	< 0.6	< 0.6	850	85
1,2-DICHLOROETHANE	< 0.9	< 0.9	< 0.5	0.9	< 0.9	< 0.9	< 0.5	< 0.5	5	0.5
1,1-DICHLOROETHENE	< 1.3	< 1.3	1.1	0.9	< 1.3	< 1.3	< 0.5	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	830	240	550	480	< 1.5	4.9	< 0.6	< 0.6	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	36	57	56	< 1.2	< 1.2	< 0.7	< 0.7	100	20
1,3-DICHLOROPROPANE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	*	*
1,1-DICHLOROPROPENE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	*	*
ETHYLBENZENE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.5	*	*
METHYLENE CHLORIDE	< 2.1	< 2.1	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.0	150	15
NAPHTHALENE	< 1.5	< 1.5	1.7	< 0.7	< 1.5	< 1.5	< 0.7	< 0.7	40	8
N-PROPYLBENZENE	< 0.9	< 0.9	< 0.6	< 0.6	< 0.9	< 0.9	< 0.6	< 0.6	*	*
TETRACHLOROETHENE	< 0.9	< 0.9	< 0.5	< 0.5	< 0.9	< 0.9	< 0.5	< 0.5	1	0.1
TOLUENE	1.6	< 0.7	1.3	< 0.5	1.9	< 0.7	1.2	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.5	200	40
TRICHLOROETHENE	130	180	470	250	< 0.8	15	< 0.5	< 0.5	5	0.18
VINYL CHLORIDE	220	< 0.7	5.2	8.3	< 0.7	5.5	< 0.5	< 0.5	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 0.5	620 (TOTAL)	124 (TOTAL)

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
[1] Field Duplication Sample

Laboratory analysis by Swanson Environmental, Inc. Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760

W943048-4.3(b)

ATTACHMENT A

WATER LEVEL DATA

WATER LEVEL DATA
CHRYSLER KENOSHA MAIN PLANT
KENOSHA, WISCONSIN
SEPTEMBER 1993

WELL	RISER ELEVATION	DEPTH TO WATER (feet)	DATE	WATER ELEVATION (feet)
MW-1	WELL HAS BEEN ABANDONED			
MW-2	624.51	7.61	9/22/93	616.9
MW-3	623.21	(UNABLE TO OPEN)		
MW-4	620.95	8.57	9/22/93	612.38
MW-5	620.82	14.04	9/22/93	606.78
MW-5A	621.35	12.81	9/22/93	608.54
MW-6	619.99	4.95	9/22/93	615.04
MW-6A	624.09	8.54	9/22/93	615.55
MW-6C	624.01	7.56	9/22/93	616.45
MW-7	620.58	1.98	9/22/93	618.6
MW-8	621.63	3.4	9/22/93	618.23
MW-8A	621.91	9.88	9/22/93	612.03
MW-10	628.82	10.65	9/21/93	618.17
MW-11	623.88	(UNABLE TO OPEN)		
MW-11A	626.99	8.15	9/24/93	618.84
MW-11B	625.9	5.95	9/23/93	619.95
MW-11C	626.71	(UNABLE TO OPEN)		
MW-11D	WELL HAS BEEN ABANDONED			
MW-12	625.86	12.93	9/21/93	612.93
MW-13A	627.25	10.94	9/23/93	616.31
MW-14	622.34	5.52	9/23/93	616.82
MW-15	624.31	8.4	9/23/93	615.91
MW-16	622.44	5.67	9/23/93	616.77
MW-16A	626.17	9.08	9/23/93	617.09
MW-17	622.79	6.44	9/23/93	616.35
MW-17A	626.79	(NOT MEASURED)		
MW-17B	627.1	(NOT MEASURED)		
MW-18	624.09	8.47	9/23/93	615.62
MW-18A	628.58	13.01	9/21/93	615.57
MW-18B	627.93	11.17	9/21/93	616.76
MW-18C	627.94	12.71	9/21/93	615.23
MW-18D	626.79	9.94	9/21/93	616.85
MW-19	622.4	5.96	9/24/93	616.44
MW-20	624.85	10.38	9/24/93	614.47
MW-21	625.81	10.44	9/22/93	615.37
MW-21A	626.79	10.03	9/22/93	616.76
MW-22	627.01	7.16	9/22/93	619.85
MW-23	624.55	9.44	9/22/93	615.11
MW-24	619.87	1.88	9/22/93	617.99
MW-24A	630.06	7.89	9/22/93	622.17
MW-25	628.77	12.68	9/22/93	616.09
MW-26	626.24	11.28	9/22/93	614.96
MW-27	625.61	11.88	9/22/93	613.73
MW-27A	625.14	11.04	9/22/93	614.1
MW-27B	625.79	11.1	9/22/93	614.69
MW-27C	627.87	11.9	9/22/93	615.97
MW-27D	627.91	14.85	9/22/93	613.06

WATERLEV.WK1

MW-27E	629.43	16.64	9/22/93	612.79
MW-28	623.69	9.02	9/22/93	614.67
MW-29	626.43	9.83	9/21/93	616.6
MW-29A	627.28	10.9	9/21/93	616.38
MW-30	625.82	10.76	9/21/93	615.06
MW-31	627.38	13.38	9/21/93	614
MW-34R	625.22	9.53	9/21/93	615.69
MW-35B	628.37	10.9	9/21/93	617.47
MW-36A	628.15	14.02	9/21/93	614.13
MW-37	628.72	10.34	9/21/93	618.38
MW-38	628.51	9.93	9/21/93	618.58
MW-40	628.67	10.03	9/21/93	618.64
MW-41	628.86	10.23	9/21/93	618.63
MW-43	626	9.62	9/24/93	616.38
MW-44	624.29	9.65	9/24/93	614.64
MW-45	626.45	9.69	9/27/93	616.76
OBSERVATION SUMP	626.1	9.38	9/23/93	616.72
OW-1	620.83	3.94	9/23/93	616.89
OW-2	623.26	5.82	9/23/93	617.44
OW-3	628.75	9.01	9/21/93	619.74
OW-4	628.64	9.44	9/21/93	619.2
OW-5	628.23	14.02	9/21/93	614.21
OW-6	625.47	9.53	9/21/93	615.94
OW-7	625.87	15.21	9/21/93	610.66
SUMP-1	621.98	3.22	9/23/93	618.76
SUMP-2	625	10.28	9/23/93	614.72
SUMP-3	626.97	22.63	9/23/93	604.34
SUMP-4	629.35	12.55	9/21/93	616.8
SUMP-5	628.29	9.09	9/21/93	619.2
SUMP-5A	628.64	9.42	9/21/93	619.22
SUMP-5B	629.34	11.87	9/21/93	617.47
SUMP-5C	628.67	12.03	9/21/93	616.64
SUMP-6	625.01	14.37	9/22/93	610.64
TANK SUMP	(NOT MEASURED)			

ATTACHMENT B

GROUNDWATER LABORATORY RESULTS
CHAIN-OF-CUSTODY FORMS AND
WATER SAMPLING FIELD DATA SUMMARY FORMS

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4322

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project W943046

DATE: October 13, 1993
PURCHASE ORDER:
SEI NO: WL7375
DATE COLLECTED: 09/21/93
DATE RECEIVED: 09/22/93
DATE ANALYZED: 10/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-1 MW-29	7375-2 MW-29A	7375-3 MW-30
EPA Method 8021					
78124	Benzene		<0.5	<0.5	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	<0.5	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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ANALYTICAL REPORT

REPORT NUMBER: B4322

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project W943046

DATE: October 13, 1993
PURCHASE ORDER:
SEI NO: WL7375
DATE COLLECTED: 09/21/93
DATE RECEIVED: 09/22/93
DATE ANALYZED: 10/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-1 MW-29	7375-2 MW-29A	7375-3 MW-30
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5	<0.5
77093	cis-1,2-Dichloroethene		<0.6	<0.6	<0.6
34546	trans-1,2-Dichloroethene		<0.7	<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

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SEI NO: WL7375
DATE COLLECTED: 09/21/93
DATE RECEIVED: 09/22/93
DATE ANALYZED: 10/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-1 MW-29	7375-2 MW-29A	7375-3 MW-30
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	<0.5	4.0
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		1.7	<0.5	1.3
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5	<0.5
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	<0.5

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4322

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project W943046

DATE: October 13, 1993
PURCHASE ORDER:
SEI NO: WL7375
DATE COLLECTED: 09/21/93
DATE RECEIVED: 09/22/93
DATE ANALYZED: 10/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-4 MW-31	7375-5 MW-34R	7375-6 MW-36A
EPA Method 8021					
78124	Benzene		<0.5	<0.5	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	<0.5	41
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-4 MW-31	7375-5 MW-34R	7375-6 MW-36A
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	0.7	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	<0.5
34501	1,1-Dichloroethene		1.8	<0.5	<0.5
77093	cis-1,2-Dichloroethene		1.4	<0.6	7.5
34546	trans-1,2-Dichloroethene		<0.7	<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-4 MW-31	7375-5 MW-34R	7375-6 MW-36A
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.6	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	11.0	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		1.2	<0.5	<0.5
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5	9.8
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	<0.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-7[a] MW-38	7375-8[a] MW-83	7375-9 MW-40
EPA Method 8021					
78124	Benzene		<2.5	<2.5	<0.5
81555	Bromobenzene		<2.5	<2.5	<0.5
77297	Bromochloromethane		<2.5	<2.5	<0.5
32101	Bromodichloromethane		<2.5	<2.5	<0.5
32104	Bromoform		<2.5	<2.5	<0.5
34413	Bromomethane		<2.5	<2.5	<0.5
77342	n-Butylbenzene		<2.5	<2.5	<0.5
77350	sec-Butylbenzene		<2.5	<2.5	<0.8
77353	tert-Butylbenzene		<2.5	<2.5	<0.5
32102	Carbon tetrachloride		<2.5	<2.5	<0.5
34301	Chlorobenzene		<2.5	<2.5	<0.5
34306	Chlorodibromomethane		<2.5	<2.5	<0.5
34311	Chloroethane		25	20	16
32106	Chloroform		<2.5	<2.5	<0.5
34418	Chloromethane		<2.5	<2.5	<0.5
77275	2-Chlorotoluene		<2.5	<2.5	<0.5
77277	4-Chlorotoluene		<2.5	<2.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<2.5	<2.5	<0.5
77651	1,2-Dibromoethane		<2.5	<2.5	<0.5
77596	Dibromomethane		<2.5	<2.5	<0.5

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DATE ANALYZED: 10/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7375-7[a] MW-38	7375-8[a] MW-83	7375-9 MW-40
EPA Method 8021					
34536	1,2-Dichlorobenzene		<2.5	<2.5	<0.5
34566	1,3-Dichlorobenzene		<2.5	<2.5	<0.5
34571	1,4-Dichlorobenzene		<2.5	<2.5	<0.6
34668	Dichlorodifluoromethane		<2.5	<2.5	57
34496	1,1-Dichloroethane		210	190	110
32103	1,2-Dichloroethane		<2.5	<2.5	<0.5
34501	1,1-Dichloroethene		<2.5	<2.5	<0.5
77093	cis-1,2-Dichloroethene		550[b]	430[b]	1.9
34546	trans-1,2-Dichloroethene		18	18	1.1
34541	1,2-Dichloropropane		<2.5	<2.5	<0.5
77173	1,3-Dichloropropane		<2.5	<2.5	<0.5
77170	2,2-Dichloropropane		<2.5	<2.5	<0.7
77168	1,1-Dichloropropene		<2.5	<2.5	<0.5
78113	Ethylbenzene		<2.5	<2.5	<0.5
34391	Hexachlorobutadiene		<2.5	<2.5	<0.7
77223	Isopropylbenzene		<2.5	<2.5	<0.5
77356	p-Isopropyltoluene		<2.5	<2.5	<0.5
34423	Methylene chloride		<2.5[b]	37[b]	<2.0
34696	Naphthalene		<2.5	<2.5	<0.7

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-7[a] MW-38	7375-8[a] MW-83	7375-9 MW-40
EPA Method 8021					
77224	n-Propylbenzene		<2.5	<2.5	<0.6
77128	Styrene		<2.5	<2.5	<0.6
77562	1,1,1,2-Tetrachloroethane		<2.5	<2.5	<0.6
34516	1,1,2,2-Tetrachloroethane		<2.5	<2.5	<0.5
34475	Tetrachloroethene		<2.5	<2.5	<0.5
78131	Toluene		<2.5	<2.5	<0.5
77613	1,2,3-Trichlorobenzene		<2.5	<2.5	<0.5
34551	1,2,4-Trichlorobenzene		<2.5	<2.5	<0.5
34506	1,1,1-Trichloroethane		<2.5	<2.5	2.1
34511	1,1,2-Trichloroethane		<2.5	<2.5	<0.5
39180	Trichloroethene		33	32	5.0
34488	Trichlorofluoromethane		<2.5	<2.5	<0.5
77443	1,2,3-Trichloropropane		<2.5	<2.5	<0.5
77222	1,2,4-Trimethylbenzene		<2.9	<2.9	<0.9
77226	1,3,5-Trimethylbenzene		<2.5	<2.5	<0.5
39175	Vinyl chloride		380	320	3.0
77135	o-Xylenes		<2.5	<2.5	<0.5
85795	m & p Xylenes		<2.5	<2.5	<0.5

a Elevated detection level due to high analyte concentration.
b Duplication of results hindered by high analyte concentration.

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-10 MW-41	7375-11 MW-18A	7375-12 MW-18B
EPA Method 8021					
78124	Benzene		<0.5	<0.5	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	<0.5	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7375-10 MW-41	7375-11 MW-18A	7375-12 MW-18B
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		0.8	<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5	<0.5
77093	cis-1,2-Dichloroethene		<0.6	<0.6	<0.6
34546	trans-1,2-Dichloroethene		<0.7	<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7375-10 MW-41	7375-11 MW-18A	7375-12 MW-18B
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	<0.5	0.8
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		<0.5	<0.5	<0.5
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5	<0.5
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	<0.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-13 MW-18C	7375-14 Trip Blk	7375-15 MW-12
EPA Method 8021					
78124	Benzene		0.7	<0.5	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		2.3	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		1.7	<0.5	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4322

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project W943046

DATE: October 13, 1993
PURCHASE ORDER:
SEI NO: WL7375
DATE COLLECTED: 09/21/93
DATE RECEIVED: 09/22/93
DATE ANALYZED: 10/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7375-13 MW-18C	7375-14 Trip Blk	7375-15 MW-12
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		170	<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	<0.5
34501	1,1-Dichloroethene		7.9	<0.5	<0.5
77093	cis-1,2-Dichloroethene		1,600	<0.6	<0.6
34546	trans-1,2-Dichloroethene		81	<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		2.8	<0.7	<0.7

SWANSON ENVIRONMENTAL INC.

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ANALYTICAL REPORT

REPORT NUMBER: B4322

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project W943046

DATE: October 13, 1993
PURCHASE ORDER:
SEI NO: WL7375
DATE COLLECTED: 09/21/93
DATE RECEIVED: 09/22/93
DATE ANALYZED: 10/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7375-13 MW-18C	7375-14 Trip Blk	7375-15 MW-12
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		0.8	<0.5	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		<0.5	<0.5	<0.5
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5	<0.5
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	<0.5

Gary E. Barry
Gary E. Barry
Projects Coordinator

SWANSON ENVIRONMENTAL INC.

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Brookfield, Wisconsin 53045
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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4322

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project W943046

DATE: October 13, 1993
PURCHASE ORDER:
SEI NO: WL7375
DATE COLLECTED: 09/21/93
DATE RECEIVED: 09/22/93
DATE ANALYZED: 09/24/93

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

	SEI ID	7375-13
Analyte	Sample ID	MW-18C
Cyanides, Total		<0.01

CHAIN OF CUSTODY RECORD

PROJ. NO.: N943046

PROJECT NAME:

SAMPLERS: J RAMPONI, G. MEINHOLZ, L. STANTON

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC 8021	CYANIDE							SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
-	MW 29	1-21-93			X	MW 29	2	X								GRNDWATER
-	MW 29A	1-21-93			X	MW 29A	2	X								
-	MW 30	1-21-93			X	MW 30	2	X								
-	MW 31	1-21-93			X	MW 31	2	X								
-	MW 34R	1-21-93			X	MW 34R	2	X								
	MW 36A	1-21-93			X	MW 36A	2	X								
	MW 38	1-21-93			X	MW 38	2	X								
-	MW 83	1-21-93			X	MW 83	2	X								
-	MW 40	1-21-93			X	MW 40	2	X								
	MW 41	1-21-93			X	MW 41	2	X								
	MW 12A	1-21-93			X	MW 12A	2	X								
	MW 12B	1-21-93			X	MW 12B	2	X								
	MW 12C	1-21-93			X	MW 12C	3	X	X							

SAMPLE CONDITION: on Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
[illegible]	1-21-93 [illegible]	[illegible]	[illegible]
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
[illegible]	[illegible]	[illegible]	[illegible]

SPECIAL REQUESTS:

REPORT TO:
NAME: [illegible] BINDER, [illegible] ENGINEERING INC
ADDRESS: 225 E [illegible] AV, [illegible] WI 53202
PHONE: [illegible]

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
(414) 783-6111
Fax (414) 783-5752

SWANSON ENVIRONMENTAL INC.

CHAIN OF CUSTODY RECORD

PROJECT NAME: 40

RS: . RAMPONI, G. MEINHOLZ, L. STANTON

SI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOC (8021)	SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
	Trip Blank	9.21.93				Trip Blank	2	X	
		9/21/93				MW 12	3	X	G.W.

SAMPLE CONDITION: on Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
RECEIVED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME

SPECIAL REQUESTS:

REPORT TO: Rick Binder

NAME: Trio Engineering Inc

ADDRESS: 325 E Chicago Ave Milw, WI 53202

PHONE: (414) 291-8840

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
(414) 783-6111
Fax (414) 783-5752

SWANSON ENVIRONMENTAL INC.

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Brookfield, Wisconsin 53045
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FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4226

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-1 MW-27	7426-2 MW-5	7426-3 MW-27B
EPA Method 8021					
78124	Benzene		<0.5	35	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	1.8	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	2.1	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	5.3	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-1 MW-27	7426-2 MW-5	7426-3 MW-27B
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	<0.6	<0.6
32103	1,2-Dichloroethane		0.6	<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5	<0.5
77093	cis-1,2-Dichloroethene		35	5.0	<0.6
34546	trans-1,2-Dichloroethene		25	<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	1.8	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	0.7	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	3.3	<0.7

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Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7426-1 MW-27	7426-2 MW-5	7426-3 MW-27B
EPA Method 8021					
77224	n-Propylbenzene		<0.6	1.3	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.6	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		1.0	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		9.0	<0.5	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		0.5	<0.5	20
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	5.4	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5	<0.5
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	1.4	<0.5

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Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7426-4 MW-27D	7426-5 MW-21A	7426-6 MW-52
EPA Method 8021					
78124	Benzene		<0.5	<0.5	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	10	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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ANALYTICAL REPORT

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Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-4 MW-27D	7426-5 MW-21A	7426-6 MW-52
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	2.7
34501	1,1-Dichloroethene		<0.5	<0.5	7.8
77093	cis-1,2-Dichloroethene		1.3	150	600
34546	trans-1,2-Dichloroethene		<0.7	3.0	800
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

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ANALYTICAL REPORT

REPORT NUMBER: B4226

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-4 MW-27D	7426-5 MW-21A	7426-6 MW-52
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.6	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	<0.5	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		<0.5	<0.5	46
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	30	900
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	<0.5

SWANSON ENVIRONMENTAL INC.

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ANALYTICAL REPORT

REPORT NUMBER: B4226

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-7 MW-25	7426-8 MW-21	7426-9 MW-26
EPA Method 8021					
78124	Benzene		<0.5	0.7	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	0.5	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4226

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-7 MW-25	7426-8 MW-21	7426-9 MW-26
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	<0.6	0.8
32103	1,2-Dichloroethane		2.0	<0.5	<0.5
34501	1,1-Dichloroethene		5.6	<0.5	<0.5
77093	cis-1,2-Dichloroethene		680	2.1	<0.6
34546	trans-1,2-Dichloroethene		840	<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	7.8	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

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325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-7 MW-25	7426-8 MW-21	7426-9 MW-26
EPA Method 8021					
77224	n-Propylbenzene		<0.6	2.9	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	1.0	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	<0.5	1.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		52	<0.5	<0.5
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		1,000	1.4	<0.5
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	0.6	<0.5

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Attn: Mr. Rick Binder
Project #W943046

DATE: October 6, 1993
PURCHASE ORDER:
SEI NO: WL7426
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-10 MW-27C	7426-11 MW-27E	7426-12 MW-27A
EPA Method 8021					
78124	Benzene		<0.5	<0.5	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	<0.5	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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SEI NO: WL7426
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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-10 MW-27C	7426-11 MW-27E	7426-12 MW-27A
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	0.9	<0.5
34501	1,1-Dichloroethene		<0.5	0.9	<0.5
77093	cis-1,2-Dichloroethene		<0.6	480	1.9
34546	trans-1,2-Dichloroethene		<0.7	56	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

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DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-10 MW-27C	7426-11 MW-27E	7426-12 MW-27A
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	<0.5	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		<0.5	250	<0.5
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	8.3	2.6
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	<0.5

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DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-13 MW-28	7426-14 Trip Blk
EPA Method 8021				
78124	Benzene		<0.5	<0.5
81555	Bromobenzene		<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5
32104	Bromoform		<0.5	<0.5
34413	Bromomethane		<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5
34311	Chloroethane		<0.5	<0.5
32106	Chloroform		<0.5	<0.5
34418	Chloromethane		<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5

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SEI NO: WL7426
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DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-13 MW-28	7426-14 Trip Blk
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5
77093	cis-1,2-Dichloroethene		<0.6	<0.6
34546	trans-1,2-Dichloroethene		<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0
34696	Naphthalene		<0.7	<0.7

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DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7426-13 MW-28	7426-14 Trip Blk
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5
39180	Trichloroethene		<0.5	<0.5
34488	Trichlorofluoromethane		<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5
77135	o-Xylenes		<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5

Gary E. Barry
Gary E. Barry
Projects Coordinator

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
W9430.46	

SAMPLERS: G. MEINHOLZ, L. STANTON

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOC (8021)	SAMPLE TYPE
	MW27	9/22		.	X	MW27	2	X	GROUND WATER
	MW5	9/22		.	X	MW5	2	X	
	MW27E	9/22		.	X	MW27E	2	X	
	MW27D	9/22		.	X	MW27D	2	X	
	MW27A	9/22		.	X	MW27A	2	X	
	MW5Z	9/22		.	X	MW5D	2	X	
	MW25	9/22		.	X	MW25	2	X	
	MW21	9/22		.	X	MW21	2	X	
	MW21A	9/22		.	X	MW21A	2	X	
	MW27C	9/22		.	X	MW27C	2	X	
	MW27E	9/22		.	X	MW27E	2	X	
	MW27A	9/22		.	X	MW27A	2	X	
	MW28	9/22		.	X	MW28	2	X	

SAMPLE CONDITION: Trip Blank — Trip Blank

SAMPLE LOCATION: 2 IX

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
	9-23		9-23 1:45 pm
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
	9-23 1:45 pm		9/23 1:45

SPECIAL REQUESTS:

REPORT TO: RICK BINDER
NAME: TRIAD ENGINEERING
ADDRESS: 325 E. CHICAGO ST.
PHONE: MILW., WI 53202 (414) 271-5547

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
(414) 783-6111
Fax (414) 783-5752

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4440

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 26, 1993
PURCHASE ORDER:
SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 09/29/93

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

SEI ID	Sample ID	Cyanides, Total
7453-1	MW-43	0.14
7453-2	MW-16A	0.01
7453-3	MW-20	0.04
7453-4	MW-61	0.15
7453-5	MW-81	<0.01
7453-6	MW-18D	<0.01
7453-7	MW-16	0.17
7453-8	MW-17	<0.01
7453-9	MW-19	<0.01
7453-10	MW-14	<0.01
7453-11	MW-18	<0.01

EPA Method 335.2

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ANALYTICAL REPORT

REPORT NUMBER: B4440

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 26, 1993
PURCHASE ORDER:
SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-1 MW-43	7453-2 MW-16A	7453-3[a] MW-20
EPA Method 8021					
78124	Benzene		<0.5	<0.5	<5.0
81555	Bromobenzene		<0.5	<0.5	<5.0
77297	Bromochloromethane		<0.5	<0.5	<5.0
32101	Bromodichloromethane		<0.5	<0.5	<5.0
32104	Bromoform		<0.5	<0.5	<5.0
34413	Bromomethane		<0.5	<0.5	<5.0
77342	n-Butylbenzene		<0.5	<0.5	40
77350	sec-Butylbenzene		<0.8	<0.8	8.2
77353	tert-Butylbenzene		<0.5	<0.5	<5.0
32102	Carbon tetrachloride		<0.5	<0.5	<5.0
34301	Chlorobenzene		<0.5	<0.5	<5.0
34306	Chlorodibromomethane		<0.5	<0.5	<5.0
34311	Chloroethane		<0.5	<0.5	15
32106	Chloroform		<0.5	<0.5	<5.0
34418	Chloromethane		<0.5	<0.5	<5.0
77275	2-Chlorotoluene		<0.5	<0.5	<5.0
77277	4-Chlorotoluene		<0.5	<0.5	<5.0
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<5.0
77651	1,2-Dibromoethane		<0.5	<0.5	<5.0
77596	Dibromomethane		<0.5	<0.5	<5.0

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DATE: October 26, 1993
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SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-1 MW-43	7453-2 MW-16A	7453-3[a] MW-20
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<5.0
34566	1,3-Dichlorobenzene		<0.5	<0.5	<5.0
34571	1,4-Dichlorobenzene		<0.6	<0.6	<6.0
34668	Dichlorodifluoromethane		<0.5	<0.5	<5.0
34496	1,1-Dichloroethane		1.6	<0.6	10
32103	1,2-Dichloroethane		<0.5	<0.5	<5.0
34501	1,1-Dichloroethene		<0.5	<0.5	<5.0
77093	cis-1,2-Dichloroethene		10	<0.6	90
34546	trans-1,2-Dichloroethene		6.9	<0.7	<7.0
34541	1,2-Dichloropropane		<0.5	<0.5	<5.0
77173	1,3-Dichloropropane		<0.5	<0.5	<5.0
77170	2,2-Dichloropropane		<0.7	<0.7	<7.0
77168	1,1-Dichloropropene		<0.5	<0.5	<5.0
78113	Ethylbenzene		<0.5	<0.5	<5.0
34391	Hexachlorobutadiene		<0.7	<0.7	<7.0
77223	Isopropylbenzene		<0.5	<0.5	<5.0
77356	p-Isopropyltoluene		<0.5	<0.5	7.0
34423	Methylene chloride		<2.0	<2.0	<20
34696	Naphthalene		<0.7	<0.7	<7.0

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4440

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 26, 1993
PURCHASE ORDER:
SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-1 MW-43	7453-2 MW-16A	7453-3[a] MW-20
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<6.0
77128	Styrene		<0.6	<0.6	<6.0
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5	<5.0
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<5.0
34475	Tetrachloroethene		<0.5	<0.5	13
78131	Toluene		<0.5	<0.5	<5.0
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<5.0
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<5.0
34506	1,1,1-Trichloroethane		<0.5	<0.5	<5.0
34511	1,1,2-Trichloroethane		<0.5	<0.5	<5.0
39180	Trichloroethene		7.0	<0.5	7.0
34488	Trichlorofluoromethane		<0.5	<0.5	8.0
77443	1,2,3-Trichloropropane		<0.5	<0.5	<5.0
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<9.0
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<5.0
39175	Vinyl chloride		<0.5	<0.5	<5.0
77135	o-Xylenes		<0.5	<0.5	9.0
85795	m & p Xylenes		<0.5	<0.5	<5.0

a Elevated detection level due to high analyte concentration; a 10x dilution necessary.

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-4 MW-61	7453-5 MW-81	7453-6 MW-18D
EPA Method 8021					
78124	Benzene		<0.5	0.6	<0.5
81555	Bromobenzene		<0.5	<0.5	4.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		0.6	0.5	2.5
77350	sec-Butylbenzene		<0.8	<0.8	3.7
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		4.0	1.9	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7453-4 MW-61	7453-5 MW-81	7453-6 MW-18D
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		1.6	3.8	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	11	<0.5
77093	cis-1,2-Dichloroethene		1.8	1,100	7.6
34546	trans-1,2-Dichloroethene		<0.7	230	1.0
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	0.6
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	1.0	2.7
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-4 MW-61	7453-5 MW-81	7453-6 MW-18D
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		0.8	<0.5	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		1.0	2,300	12
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	4.4
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5	<0.5
77135	o-Xylenes		<0.5	<0.5	2.4
85795	m & p Xylenes		<0.5	<0.5	<0.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-7 MW-16	7453-8 MW-17	7453-9 MW-19
EPA Method 8021					
78124	Benzene		<0.5	<0.5	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		4.3	<0.5	<0.5
34311	Chloroethane		<0.5	<0.5	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-7 MW-16	7453-8 MW-17	7453-9 MW-19
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		1.3	<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5	<0.5
77093	cis-1,2-Dichloroethene		1.9	<0.6	11
34546	trans-1,2-Dichloroethene		<0.7	<0.7	0.9
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	0.5
34423	Methylene chloride		<2.0	<2.0	2.2[b]
34696	Naphthalene		<0.7	<0.7	<0.7

b Methylene chloride is a commonly used solvent in the laboratory. This result may be biased high.

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-7 MW-16	7453-8 MW-17	7453-9 MW-19
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.5	<0.5	<0.5
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		0.6	<0.5	0.7
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		1.2	0.6	41
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5	1.6
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	7.4

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-10 MW-14	7453-11 MW-18	7453-12 MW-11B
EPA Method 8021					
78124	Benzene		<0.5	0.6	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		0.6	190	4.0
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	<0.5	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7453-10 MW-14	7453-11 MW-18	7453-12 MW-11B
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	3.4	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	8.0	<0.5
77093	cis-1,2-Dichloroethene		1.9	1,500	2.0
34546	trans-1,2-Dichloroethene		<0.7	300	0.9
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	0.5
34423	Methylene chloride		<2.0	<2.0	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

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Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-10 MW-14	7453-11 MW-18	7453-12 MW-11B
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	0.6
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	<0.5	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		1.2	3,000	<0.5
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<0.9
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	270	<0.5
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	<0.5

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4440

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 26, 1993
PURCHASE ORDER:
SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-13 Trip Blk	7453-14 MW-44	7453-15 MW-11A
EPA Method 8021					
78124	Benzene		<0.5	0.9	<0.5
81555	Bromobenzene		<0.5	<0.5	<0.5
77297	Bromochloromethane		<0.5	<0.5	<0.5
32101	Bromodichloromethane		<0.5	<0.5	<0.5
32104	Bromoform		<0.5	<0.5	<0.5
34413	Bromomethane		<0.5	<0.5	<0.5
77342	n-Butylbenzene		<0.5	<0.5	<0.5
77350	sec-Butylbenzene		<0.8	<0.8	<0.8
77353	tert-Butylbenzene		<0.5	<0.5	<0.5
32102	Carbon tetrachloride		<0.5	<0.5	<0.5
34301	Chlorobenzene		<0.5	<0.5	<0.5
34306	Chlorodibromomethane		<0.5	<0.5	<0.5
34311	Chloroethane		<0.5	<0.5	<0.5
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<0.5	<0.5	<0.5
77275	2-Chlorotoluene		<0.5	<0.5	<0.5
77277	4-Chlorotoluene		<0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<0.5
77651	1,2-Dibromoethane		<0.5	<0.5	<0.5
77596	Dibromomethane		<0.5	<0.5	<0.5

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DATE: October 26, 1993
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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-13 Trip Blk	7453-14 MW-44	7453-15 MW-11A
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5	<0.5
77093	cis-1,2-Dichloroethene		<0.6	1.9	<0.6
34546	trans-1,2-Dichloroethene		<0.7	<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5	<0.5
34423	Methylene chloride		4.5[b]	3.0[b]	<2.0
34696	Naphthalene		<0.7	<0.7	<0.7

b Methylene chloride is a commonly used solvent in the laboratory. This result may be biased high.

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Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 26, 1993
PURCHASE ORDER:
SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-13 Trip Blk	7453-14 MW-44	7453-15 MW-11A
EPA Method 8021					
77224	n-Propylbenzene		<0.6	<0.6	<0.6
77128	Styrene		<0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5	<0.5
78131	Toluene		<0.5	<0.5	<0.5
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane		<0.5	<0.5	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		<0.5	<0.5	<0.5
34488	Trichlorofluoromethane		<0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane		<0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	1.2
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<0.5
39175	Vinyl chloride		<0.5	<0.5	<0.5
77135	o-Xylenes		<0.5	<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5	<0.5

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Project #W943046

DATE: October 26, 1993
PURCHASE ORDER:
SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7453-16[C] Inf Sump #6	7453-17[C] Exf Sump #6	7453-18 Trip Blank
EPA Method 8021					
78124	Benzene		<2.5	<2.5	<0.5
81555	Bromobenzene		<2.5	<2.5	<0.5
77297	Bromochloromethane		<2.5	<2.5	<0.5
32101	Bromodichloromethane		<2.5	<2.5	<0.5
32104	Bromoform		<2.5	<2.5	<0.5
34413	Bromomethane		17	3.3	<0.5
77342	n-Butylbenzene		<2.5	<0.5	<0.5
77350	sec-Butylbenzene		<4.0	<4.0	<0.8
77353	tert-Butylbenzene		<2.5	<2.5	<0.5
32102	Carbon tetrachloride		<2.5	<2.5	<0.5
34301	Chlorobenzene		<2.5	<2.5	<0.5
34306	Chlorodibromomethane		<2.5	<2.5	<0.5
34311	Chloroethane		<2.5	<2.5	<0.5
32106	Chloroform		<2.5	<2.5	<0.5
34418	Chloromethane		<2.5	<2.5	<0.5
77275	2-Chlorotoluene		<2.5	<2.5	<0.5
77277	4-Chlorotoluene		<2.5	<2.5	<0.5
38437	1,2-Dibromo-3-chloropropane		<2.5	<2.5	<0.5
77651	1,2-Dibromoethane		<2.5	<2.5	<0.5
77596	Dibromomethane		<2.5	<2.5	<0.5

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Attn: Mr. Rick Binder
Project #W943046

DATE: October 26, 1993
PURCHASE ORDER:
SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

		SEI ID	7453-16[c] Inf	7453-17[c] Exf	7453-18 Trip
DNR #	Analyte	Sample ID	Sump #6	Sump #6	Blank
EPA Method 8021					
34536	1,2-Dichlorobenzene		<2.5	<2.5	<0.5
34566	1,3-Dichlorobenzene		<2.5	<2.5	<0.5
34571	1,4-Dichlorobenzene		<3.0	<3.0	<0.6
34668	Dichlorodifluoromethane		<2.5	<2.5	<0.5
34496	1,1-Dichloroethane		38	<3.0	<0.6
32103	1,2-Dichloroethane		<2.5	<2.5	<0.5
34501	1,1-Dichloroethene		<2.5	<2.5	<0.5
77093	cis-1,2-Dichloroethene		2,100	330	<0.6
34546	trans-1,2-Dichloroethene		180	5.1	<0.7
34541	1,2-Dichloropropane		<2.5	<2.5	<0.5
77173	1,3-Dichloropropane		<2.5	<2.5	<0.5
77170	2,2-Dichloropropane		<3.5	<3.5	<0.7
77168	1,1-Dichloropropene		7.2	<3.5	<0.5
78113	Ethylbenzene		<2.5	<2.5	<0.5
34391	Hexachlorobutadiene		<3.5	<3.5	<0.7
77223	Isopropylbenzene		<2.5	<2.5	<0.5
77356	p-Isopropyltoluene		63	<2.5	<0.5
34423	Methylene chloride		10[b]	<10	<2.0
34696	Naphthalene		<3.5	<3.5	<0.7

b Methylene chloride is a commonly used solvent in the laboratory. This result may be biased high.

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DATE: October 26, 1993
PURCHASE ORDER:
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DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	7453-16[c] Inf Sump #6	7453-17[c] Exf Sump #6	7453-18 Trip Blank
EPA Method 8021					
77224	n-Propylbenzene		<3.0	<3.0	<0.6
77128	Styrene		<3.0	<3.0	<0.6
77562	1,1,1,2-Tetrachloroethane		<2.5	<2.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<2.5	<2.5	<0.5
34475	Tetrachloroethene		<2.5	<2.5	<0.5
78131	Toluene		<2.5	<2.5	<0.5
77613	1,2,3-Trichlorobenzene		<2.5	<2.5	<0.5
34551	1,2,4-Trichlorobenzene		<2.5	<2.5	<0.5
34506	1,1,1-Trichloroethane		<2.5	<2.5	<0.5
34511	1,1,2-Trichloroethane		<2.5	<2.5	<0.5
39180	Trichloroethene		2,800	280	<0.5
34488	Trichlorofluoromethane		<2.5	<2.5	<0.5
77443	1,2,3-Trichloropropane		<2.5	<2.5	<0.5
77222	1,2,4-Trimethylbenzene		<4.5	<4.5	<0.9
77226	1,3,5-Trimethylbenzene		<2.5	<2.5	<0.5
39175	Vinyl chloride		<2.5	<2.5	<0.5
77135	o-Xylenes		<2.5	<2.5	<0.5
85795	m & p Xylenes		<2.5	<2.5	<0.5

c Elevated detection level due to high analyte concentration; a 5x dilution necessary.

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ANALYTICAL REPORT

REPORT NUMBER: B4440

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Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 26, 1993
PURCHASE ORDER:
SEI NO: WL7453
DATE COLLECTED: 09/23&24/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 10/01/93

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

DATE EXTRACTED
DRO - 10/01/93

DATE ANALYZED
DRO - 10/13/93

		SEI ID	7453-14
		Sample ID	MW-44
DNR #	Analyte	PQL	
	WDNR Modified Method DRO		
78919	DRO	0.05	<0.05

Gary E. Barry
Gary E. Barry
Projects Coordinator

7153

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
W9433046	

SAMPLERS: G MEINHOLZ

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOC (8021)	DRO	TRPH						SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
14	MW44	9-24-93	0800		X	MW44	4	X	X	X						GROUNDWATER
15	MW11A	9-24-93	0720		X	MW11A	2	X								↓
16	SUMP 6	9-24-93	0940		X	SUMP 6 INF	2	X								
17	SUMP 6	9-24-93	0943		X	SUMP 6 EXF	2	X								
18	TRIP BLANK					TRIP BLANK	2	X								

SAMPLE CONDITION:

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
[signature]	9-24-93		
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
[signature]	9/24/93		

SPECIAL REQUESTS:

REPORT TO: RICK LINDER
NAME: TRIAD ENGINEERING INC
ADDRESS: 333 E CHICAGO ST
MILWAUKEE, WI 53202
PHONE: (414) 291-8640

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
(414) 783-6111
Fax (414) 783-5752

SWANSON ENVIRONMENTAL INC.

7453

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
N943046	

SAMPLERS: G. METNHOLZ, L. STANTON

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOC (8021)	TEST PARAMETERS: CYANIDE (335.2)	SAMPLE TYPE
1	MW-43	1-23-93	1233		X	MW143	3	X	X	GROUNDWATER
2	MW-16A	1-23-93	0922		X	MW16A	3	X	X	"
3	MW-20	1-23-93	1053		X	MW20	3	X	X	"
4	MW-61	1-23-93	0957		X	MW61	3	X	X	"
5	MW-81	1-23-93	1056		X	MW81	3	X	X	"
6	MW-18D	1-23-93	1407		X	MW18D	3	X	X	"
7	MW-16	1-23-93	0855		X	MW16	3	X	X	"
8	MW-17	1-23-93	1206		X	MW17	3	X	X	"
9	MW-19	1-23-93	1305		X	MW19	3	X	X	"
10	MW-14	1-23-93	0853		X	MW14	3	X	X	"
11	MW-18	1-23-93	1102		X	MW18	3	X	X	"
12	MW-11B	1-23-93	0729		X	MW11B	2	X		"
13	TRIP BLANK					TRIP BLANK	2	X		↓

SAMPLE CONDITION:

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
[signature]	1-24-93		/
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
[signature]	1/24 [illegible]		/

SPECIAL REQUESTS:

REPORT TO: RICK BINDER

NAME: [illegible]

ADDRESS: [illegible]

PHONE: [illegible]

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
(414) 783-6111
Fax (414) 783-5752

SWANSON ENVIRONMENTAL INC.

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha 1993 Second Quarter Sampling
Project Number: 10813.QS
Location: Kenosha, Wisconsin
Field Equipment:
pH: Corning Check–Mate 90 Serial No. 002283
Conductivity: Myron Model EP–10 Serial No. 032456E
Temperature: PSI 307055 USA
Samplers:
Jeanne Ramponi
Greg Meinholz, Lonny Stanton

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–1	MW–2	MW–3	MW–4
Water Type		Gndwtr		Gndwtr
Date	Well	9/22/93	Unable	9/22/93
Sampled by	has been	LJS/GJM	to open	LJS/GJM
Reference Elevation (Top of riser etc.)	abandoned	TOR		TOR
Measured Depth to Water (ft.)		7.61		8.57
Measured Well Depth (ft.)				
Purging/Sampling Device(s)				
Well Casing Volumes/Gallons Purged				
Well Purged Dry? (Y/N)				
Time Purging Completed (Military)				
Time Sample Withdrawn (Military)				
Field Temperature (degrees C)				
Field Conductivity: Measured (u mhos/cm)				
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)				
Alkalinity (mg/l)				
Color				
Odor				
Turbidity				
Other				

Sampling Container and Preservation Information

Sample Parameter(s)				
# Of Containers & Volume				
Container Type (amber glass, clear glass, plastic etc.)				
Filtered/Unfiltered				
Preserved/Unpreserved/Type				
Refrigerated/on Ice				

Shipping Information

Laboratory				
Date Submitted				
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.				

MW-5	MW-5A	MW-6	MW-6A	MW-6B	MW-6C	MW-7	MW-8
Gndwtr	Gndwtr	Gndwtr	Gndwtr		Gndwtr	Gndwtr	Gndwtr
9/22/93	9/22/93	9/22/93	9/22/93	Well	9/22/93	9/22/93	9/22/93
LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	has been	LJS/GJM	LJS/GJM	LJS/GJM
TOR	TOR	TOR	TOR	abandoned	TOR	TOR	TOR
14.04	12.81	4.95	8.54		7.56	1.98	3.40
17.31							
PVC Bailer							
2.83							
N							
1410							
1410							
20							
1600							
6.97							
gray							
oil							
Very							

VOC (8021) 2-40 ml vials clear glass unfiltered HCl on ice							

SEI							
9/24/93							
H.D.							

Form-1

MW-8A	MW-10	MW-11	MW-11A	MW-11B	MW-11C	MW-12	MW-13
Gndwtr	Gndwtr		Gndwtr	Gndwtr		Gndwtr	
9/22/93	9/22/93	Truck	9/24/93	9/23/93	Unable	9/21/93	Well
LJS/GJM	LJS/GJM	Trailer	GJM	LJS/GJM	To Locate	JMR	has been
TOR	TOR	Over	TOR	TOR	Well Top	TOR	abandoned
9.88	10.65	Well	8.15	5.95		12.93	
			14.57	15.87		20.07	
			PVC Bailer	PVC Bailer		PVC Bailer	
			5.35	8.2		6.0	
			N	N		N	
			0720	0729		1322	
			0720	0729		1322	
			18	17			
			2000	700			
			6.84	7.18		7.12	
			Lt. Brown	Lt. Brown			
			Slt. Diesel				
			Very	Slight			
			Diesel Odor				

			VOC (8021) 2-40 ml vials clear glass unfiltered HCl on ice	VOC (8021) 2-40 ml vials clear glass unfiltered HCl on ice		VOC (8021) 2-40 ml vials clear glass unfiltered HCl on ice	

			SEI	SEI		SEI	
			9/24/93	9/24/93		9/24/93	
			H.D.	H.D.		H.D.	

Form-1

MW-13A	MW-14	MW-15	MW-16	MW-16A	MW-17	MW-17A	MW-17B
Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr		
9/23/93	9/23/93	9/23/93	9/23/93	9/23/93	9/23/93	Did Not	Did Not
LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	Sample	Sample
TOR	TOR	TOR	TOR	TOR	TOR		
10.94	5.52	8.40	5.67	9.08	6.44		
16.50	13.18		13.32	16.64	13.11		
	PVC Bailer		PVC Bailer	PVC Bailer	PVC Bailer		
	6.34		6.33	6.26	5.5		
	N		N	N	N		
	0853		0855	0922	1206		
	0853		0855	0922	1206		
	18		17	18	19		
	1200		700	1300	3200		
	7.06		7.20	7.12	7.02		
	Lt. Brown		Lt. Brown	Lt. Brown	Brown		
	Moderate		Moderate	Moderate	Slight		

	VOC/CN 2-40ml/1 l glass/plastic Unfilt/Filt HCl/none On Ice		VOC/CN 2-40ml/1 l glass/plastic Unfilt/Filt HCl/none On Ice	VOC/CN 2-40ml/1 l glass/plastic Unfilt/Filt HCl/none On Ice	VOC/CN 2-40ml/1 l glass/plastic Unfilt/Filt HCl/none On Ice		

	SEI		SEI	SEI	SEI		
	9/24/93		9/24/93	9/24/93	9/24/93		
	H.D.		H.D.	H.D.	H.D.		

Form-1

MW–18	MW–18A	MW–18B	MW–18C	MW–18D	MW–19	MW–20	MW–21
Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr
9/23/93	9/21/93	9/21/93	9/21/93	9/21/93	9/24/93	9/24/93	9/22/93
LJS/GJM	JMR	JMR	JMR	JMR	GJM	GJM	LJS/GJM
TOR	TOR	TOR	TOR	TOR	TOR	TOR	TOR
8.47	13.01	11.17	12.71	9.94	5.96	10.38	10.44
13.51	19.81	17.70	16.02	16.64	13.73	13.67	16.02
PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
4.2	5.5	5.5	2.9	5.5	6.4	2.8	4.7
N	N	N	N	N	N	N	N
1056	1525	1536	1600	1407	1305	1053	1148
1102	1525	1536	1600	1407	1305	1053	1148
19	18	18	17	19	20	18	19
800	1050	700	1600	1000	2600		2200
7.18	7.05	7.06	7.02	7.00	6.93		7.13
Brown	Lt. Brown	clear	Lt. Brown	Gray/Black	Lt. Brown	Lt. Brown	Brown
Diesel			Diesel		Organic		
Moderate	Moderate		Moderate		Moderate	Moderate	Slight
Sheen Noted			Product		Product	Product	

VOC/CN	VOC (8021)	VOC (8021)	VOC/CN	VOC/CN	VOC/CN	VOC/CN	VOC (8021)
2–40ml/1 l	2–40 ml vials	2–40 ml vials	2–40ml/1 l	2–40ml/1 l	2–40ml/1 l	2–40ml/1 l	2–40 ml vials
glass/plastic	glass	glass	glass/plastic	glass/plastic	glass/plastic	glass/plastic	clear glass
Unfilt/Filt	Unfilt	Unfilt	Unfilt/Filt	Unfilt/Filt	Unfilt/Filt	Unfilt/Filt	unfiltered
HCl/none	HCL	HCL	HCl/none	HCl/none	HCl/none	HCl/none	HCl
On Ice	On Ice	On Ice	On Ice	On Ice	On Ice	On Ice	on ice

SEI	SEI	SEI	SEI	SEI	SEI	SEI	SEI
9/24/93	9/22/93	9/22/93	9/22/93	9/22/93	9/24/93	9/24/93	9/24/93
H.D.	H.D.	H.D.	H.D.	H.D.	H.D.	H.D.	H.D.

Form–1

MW-21A	MW-22	MW-23	MW-24	MW-24A	MW-25	MW-26	MW-27
Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr
9/22/93	9/22/93	9/22/93	9/22/93	9/22/93	9/22/93	9/22/93	9/22/93
LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM
TOR	TOR	TOR	TOR	TOR	TOR	TOR	TOR
10.03	7.16	9.44	1.88	7.89	12.68	11.28	11.88
16.25					19.56	16.97	16.35
PVC Bailer					PVC Bailer	PVC Bailer	PVC Bailer
5.2					5.7	4.8	3.79
Y					N	N	N
1205					1100	1010	0758
1205					1100	1010	0758
19					18	19	17
1800					1150	950	2500
6.90					6.96	7.13	6.78
Brown					Lt. Brown	Lt. Brown	Lt. Brown
Moderate					Very	Slight	Slight

VOC (8021) 2-40 ml vials clear glass unfiltered HCl on ice					VOC (8021) 2-40 ml vials clear glass unfiltered HCl on ice	VOC (8021) 2-40 ml vials clear glass unfiltered HCl on ice	VOC (8021) 2-40 ml vials clear glass unfiltered HCl on ice

SEI					SEI	SEI	SEI
9/24/93					9/24/93	9/24/93	9/24/93
H.D.					H.D.	H.D.	H.D.

Form-1

MW-27A	MW-27B	MW-27C	MW-27D	MW-27E	MW-28	MW-29	MW-29A
Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr
9/22/93	9/22/93	9/22/93	9/22/93	9/22/93	9/22/93	9/21/93	9/21/93
LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	JMR	JMR
TOR	TOR	TOR	TOR	TOR	TOR	TOR	TOR
11.04	11.10	11.90	14.85	16.64	9.02	9.83	10.90
17.71	16.97	20.10	21.57	22.81	17.85	20.61	22.48
PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
5.6	4.9	6.78	5.6	5.2	7.3	8.5	9.5
N	N	N	N	N	N	N	N
0955	1245	0810	0842	0855	0919	1206	1231
0955	1245	0810	0842	0855	0919	1206	1231
18	20	16	15	14	17	17	16
1150	1800	1600	2200	650	1500	1200	900
7.19	7.20	6.70	6.81	7.14	7.12	7.10	7.31
Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown
Slight	Slight	Slight	Slight	Slight	Very	Very	Slight

VOC (8021)	VOC (8021)	VOC (8021)	VOC (8021)	VOC (8021)	VOC (8021)	VOC (8021)	VOC (8021)
2-40 ml vials	2-40 ml vials	2-40 ml vials	2-40 ml vials	2-40 ml vials	2-40 ml vials	2-40 ml vials	2-40 ml vials
clear glass	clear glass	clear glass	clear glass	clear glass	clear glass	clear glass	clear glass
unfiltered	unfiltered	unfiltered	unfiltered	unfiltered	unfiltered	unfiltered	unfiltered
HCl	HCl	HCl	HCl	HCl	HCl	HCl	HCl
on ice	on ice	on ice	on ice	on ice	on ice	on ice	on ice

SEI	SEI	SEI	SEI	SEI	SEI	SEI	SEI
9/24/93	9/24/93	9/24/93	9/24/93	9/24/93	9/24/93	9/22/93	9/22/93
H.D.	H.D.	H.D.	H.D.	H.D.	H.D.	H.D.	H.D.

Form-1

MW–30	MW–31	MW–34R	MW–35B	MW–36A	MW–37	MW–38	MW–40
Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr
9/21/93	9/21/93	9/21/93	9/21/93	9/21/93	9/21/93	9/21/93	9/21/93
JMR	JMR	JMR	JMR	JMR	JMR	JMR	JMR
TOR	TOR	TOR	TOR	TOR	TOR	TOR	TOR
10.76	13.38	9.53	10.90	14.02	10.34	9.93	10.03
21.77	21.55	11.35		17.48		17.10	15.95
PVC Bailer	PVC Bailer	PVC Bailer		PVC Bailer		PVC Bailer	PVC Bailer
9.0	8.0	4.0		3.0		5.9	4.9
N	N	Y		N		N	N
1250	1045	1431		1420		1128	1117
1250	1045	1431		1420		1128	1117
17	15	18		17		18	18
1750	1385	1250		2200		1050	1210
7.09	7.14	7.03		6.95		7.0	7.14
Lt. Brown		Brown		Lt. Brown		Brown	
						Sl. Organic	
Slight	Very	Extremely		Very		Very	Very

VOC (8021) 2–40 ml vials clear glass unfiltered HCl on ice	VOC (8021) 2–40 ml vials clear glass unfiltered HCl on ice	VOC (8021) 2–40 ml vials clear glass unfiltered HCl on ice		VOC (8021) 2–40 ml vials clear glass unfiltered HCl on ice		VOC (8021) 2–40 ml vials clear glass unfiltered HCl on ice	VOC (8021) 2–40 ml vials clear glass unfiltered HCl on ice

SEI	SEI	SEI		SEI		SEI	SEI
9/22/93	9/22/93	9/22/93		9/22/93		9/22/93	9/22/93
H.D.	H.D.	H.D.		H.D.		H.D.	H.D.

Form–1

MW–41	MW–43	MW–44	SUMP 1	SUMP 2	SUMP 3	SUMP 4	SUMP 5
Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr
9/21/93	9/24/93	9/24/93	9/23/93	9/23/93	9/23/93	9/21/93	9/21/93
JMR	GJM	GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM
TOR	TOR	TOR	TOR	TOR	TOR	TOR	TOR
10.23	9.62	9.65	3.22	10.28	22.63	12.55	9.09
15.73	16.20	14.27		11.92	At Drawdown		
PVC Bailer	PVC Bailer	PVC Bailer					
4.6	5.5	3.9					
N	N	N					
1057	1233	0800					
1057	1233	0800					
18	18	17					
1100	1250	1200					
7.11	7.26	6.87					
	Lt. Brown	Lt. Brown					
Very	Slight	Slight					

VOC (8021)	VOC/CN	VOC/DRO					
2–40 ml vials	2–40ml/1 l	2–40ml/1 l					
clear glass	glass/plastic	glass/glass					
unfiltered	Unfilt/Filt	unfiltered					
HCl	HCl/none	HCl/NONE					
on ice	On Ice	On Ice					

SEI	SEI	SEI					
9/22/93	9/24/93	9/24/93					
H.D.	H.D.	H.D.					

Form–1

SUMP 5A	SUMP 5B	SUMP 5C	SUMP 6	OBS. SUMP	OW–1	OW–2	OW–3
Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr
9/21/93	9/21/93	9/21/93	9/22/93	9/23/93	9/23/93	9/23/93	9/21/93
LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM	LJS/GJM
TOR	TOR	TOR	TOR	TOR	TOR	TOR	TOR
9.42	11.87	12.03	14.37	9.38	3.94	5.82	9.01
				12.38			

Form–1

OW–4	OW–5	OW–6	OW–7	MW–45
Gndwtr	Gndwtr	Gndwtr	Gndwtr	Gndwtr
9/21/93	9/21/93	9/21/93	9/21/93	9/27/93
LJS/GJM	JMR	JMR	JMR	GJM
TOR	TOR	TOR	TOR	TOR
9.44	14.02	9.53	15.21	BAILED
				DRY – 45
				GALLONS

				VOC (8021) 2–40 ml vials clear glass unfiltered HCl on ice

				SEI
				9/27/93
				H.D.

Form–1

ATTACHMENT C

MW-45 DOCUMENTATION

SOIL AND GROUNDWATER LABORATORY DOCUMENTATION
CHAIN-OF-CUSTODY FORMS
FIELD HNU PHOTOIONIZATION DETECTOR SUMMARY FORM
BOREHOLE LOG
WELL CONSTRUCTION LOG
WELL DEVELOPMENT LOG
HYDRAULIC CONDUCTIVITY TESTING RESULTS

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/30/93

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

		SEI ID	7425-1	7425-2
			MW 45-2	MW 45-4
DNR #	Analyte	Sample ID	2-4'	6-8'
EPA Method 8021				
78124	Benzene		0.05	0.48
81555	Bromobenzene		<0.02	<0.02
77297	Bromochloromethane		<0.02	<0.02
32101	Bromodichloromethane		<0.02	<0.02
32104	Bromoform		<0.02	<0.02
34413	Bromomethane		<0.02	<0.02
77342	n-Butylbenzene		0.02	0.11
77350	sec-Butylbenzene		0.11	<0.04
77353	tert-Butylbenzene		0.03	0.37
32102	Carbon tetrachloride		<0.02	<0.02
34301	Chlorobenzene		<0.02	<0.02
34306	Chlorodibromomethane		<0.02	<0.02
34311	Chloroethane		<0.02	<0.02
32106	Chloroform		<0.02	<0.02
34418	Chloromethane		<0.02	<0.02
77275	2-Chlorotoluene		<0.02	<0.02
77277	4-Chlorotoluene		<0.02	<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02	<0.02
77651	1,2-Dibromoethane		<0.02	<0.02
77596	Dibromomethane		<0.02	<0.02

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DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/30/93

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID / Sample ID	7425-1 MW 45-2 2-4'	7425-2 MW 45-4 6-8'
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.02	<0.02
34566	1,3-Dichlorobenzene		<0.02	<0.02
34571	1,4-Dichlorobenzene		<0.03	<0.03
34668	Dichlorodifluoromethane		<0.02	<0.02
34496	1,1-Dichloroethane		<0.03	<0.03
32103	1,2-Dichloroethane		<0.02	0.05
34501	1,1-Dichloroethene		<0.02	0.09
77093	cis-1,2-Dichloroethene		0.84	1.2
34546	trans-1,2-Dichloroethene		<0.03	0.32
34541	1,2-Dichloropropane		<0.02	<0.02
77173	1,3-Dichloropropane		<0.02	<0.02
77170	2,2-Dichloropropane		<0.03	<0.03
77168	1,1-Dichloropropene		<0.02	<0.02
78113	Ethylbenzene		0.27	1.1
34391	Hexachlorobutadiene		<0.03	<0.03
77223	Isopropylbenzene		<0.02	0.14
77356	p-Isopropyltoluene		<0.02	<0.02
34423	Methylene chloride		<0.05	0.12
34696	Naphthalene		0.07	<0.03

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ANALYTICAL REPORT

REPORT NUMBER: B4284

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 09/30/93

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

		SEI ID	7425-1	7425-2
			MW 45-2	MW 45-4
DNR #	Analyte	Sample ID	2-4'	6-8'
EPA Method 8021				
77224	n-Propylbenzene		<0.03	<0.03
77128	Styrene		<0.03	<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02	<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02	<0.02
34475	Tetrachloroethene		<0.02	<0.02
78131	Toluene		0.11	0.85
77613	1,2,3-Trichlorobenzene		<0.02	<0.02
34551	1,2,4-Trichlorobenzene		<0.02	<0.02
34506	1,1,1-Trichloroethane		<0.02	<0.02
34511	1,1,2-Trichloroethane		<0.02	<0.02
39180	Trichloroethene		0.13	3.0
34488	Trichlorofluoromethane		<0.02	<0.02
77443	1,2,3-Trichloropropane		<0.02	<0.02
77222	1,2,4-Trimethylbenzene		<0.04	<0.04
77226	1,3,5-Trimethylbenzene		<0.02	0.65
39175	Vinyl chloride		<0.02	<0.02
77135	o-Xylenes		0.11	0.68
85795	m & p Xylenes		0.15	0.93

NOTE: Results for metals will be forwarded as available.

Gary E. Barry
Gary E. Barry
Projects Coordinator

ORIGINAL

SWANSON ENVIRONMENTAL INC.

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Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED 10/15/93 JP, GB

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm) (Dry Weight)

	SEI ID	7425-1
		MW 45-2
Analyte	Sample ID	2-4'
Cadmium		7
Chromium		22
Lead		30
Nickel		18
Zinc		79

ORIGINAL

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284
AMENDED 10/13/93

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: ~~09/30/93~~ 10/15/93 JP GB

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

		SEI ID	7425-1	7425-2
			MW 45-2	MW 45-4
DNR #	Analyte	Sample ID	2-4'	6-8'
EPA Method 8021				
78124	Benzene		0.05	>0.48*
81555	Bromobenzene		0.03	0.17
77297	Bromochloromethane		<0.02	<0.02
32101	Bromodichloromethane		<0.02	<0.02
32104	Bromoform		<0.02	<0.02
34413	Bromomethane		<0.02	<0.02
77342	n-Butylbenzene		0.02	0.11
77350	sec-Butylbenzene		0.53	<0.04
77353	tert-Butylbenzene		0.03	0.37
32102	Carbon tetrachloride		<0.02	<0.02
34301	Chlorobenzene		<0.02	<0.02
34306	Chlorodibromomethane		<0.02	<0.02
34311	Chloroethane		<0.02	<0.02
32106	Chloroform		<0.02	<0.02
34418	Chloromethane		<0.02	<0.02
77275	2-Chlorotoluene		<0.02	<0.02
77277	4-Chlorotoluene		<0.02	<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02	<0.02
77651	1,2-Dibromoethane		<0.02	<0.02
77596	Dibromomethane		<0.02	<0.02

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Brookfield, Wisconsin 53045
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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: ~~09/30/93~~ 10/15/93 JR 6B

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID / Sample ID	7425-1 MW 45-2 2-4'	7425-2 MW 45-4 6-8'
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.02	<0.02
34566	1,3-Dichlorobenzene		<0.02	<0.02
34571	1,4-Dichlorobenzene		<0.03	<0.03
34668	Dichlorodifluoromethane		<0.02	<0.02
34496	1,1-Dichloroethane		<0.03	0.09
32103	1,2-Dichloroethane		<0.02	0.05
34501	1,1-Dichloroethene		<0.02	<0.02
77093	cis-1,2-Dichloroethene		0.84	>19*
34546	trans-1,2-Dichloroethene		<0.03	0.15
34541	1,2-Dichloropropane		<0.02	<0.02
77173	1,3-Dichloropropane		<0.02	<0.02
77170	2,2-Dichloropropane		<0.03	<0.03
77168	1,1-Dichloropropene		<0.02	<0.02
78113	Ethylbenzene		0.23	>1.1*
34391	Hexachlorobutadiene		<0.03	<0.03
77223	Isopropylbenzene		<0.02	0.14
77356	p-Isopropyltoluene		0.07	0.05
34423	Methylene chloride		<0.05	0.12
34696	Naphthalene		0.07	<0.03

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: ~~09/30/93~~ 10/15/93 DR, GB.

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID / Sample ID	7425-1 MW 45-2 2-4'	7425-2 MW 45-4 6-8'
EPA Method 8021				
77224	n-Propylbenzene		<0.03	<0.03
77128	Styrene		<0.03	<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02	<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02	<0.02
34475	Tetrachloroethene		<0.02	0.02
78131	Toluene		0.11	>0.85*
77613	1,2,3-Trichlorobenzene		<0.02	<0.02
34551	1,2,4-Trichlorobenzene		<0.02	<0.02
34506	1,1,1-Trichloroethane		<0.02	<0.02
34511	1,1,2-Trichloroethane		<0.02	<0.02
39180	Trichloroethene		0.13	>8.8*
34488	Trichlorofluoromethane		<0.02	<0.02
77443	1,2,3-Trichloropropane		<0.02	<0.02
77222	1,2,4-Trimethylbenzene		0.1	0.06
77226	1,3,5-Trimethylbenzene		<0.02	0.66*
39175	Vinyl chloride		<0.02	0.22
77135	o-Xylenes		0.11	0.68*
85795	m & p Xylenes		0.16	>0.93*

* Approximate value; concentration outside calibration range.

Gary E Barry
Gary E. Barry
Projects Coordinator

SWANSON ENVIRONMENTAL INC.

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Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284
AMENDED 11/01/93

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 10/18/93

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

		SEI ID	7425-1	7425-2
			MW 45-2	MW 45-4
DNR #	Analyte	Sample ID	2-4'	6-8'
EPA Method 8021				
78124	Benzene		<0.02	3[b]
81555	Bromobenzene		0.06	2.0[b]
77297	Bromochloromethane		<0.02	<0.02
32101	Bromodichloromethane		<0.02	<0.02
32104	Bromoform		<0.02	<0.02
34413	Bromomethane		<0.02	<0.02
77342	n-Butylbenzene		0.07	3[b]
77350	sec-Butylbenzene		0.06	<0.04
77353	tert-Butylbenzene		0.05	0.6
32102	Carbon tetrachloride		<0.02	<0.02
34301	Chlorobenzene		<0.02	<0.02
34306	Chlorodibromomethane		<0.02	<0.02
34311	Chloroethane		<0.02	<0.02
32106	Chloroform		<0.02	<0.02
34418	Chloromethane		<0.02	<0.02
77275	2-Chlorotoluene		<0.02	<0.02
77277	4-Chlorotoluene		<0.02	<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02	<0.02
77651	1,2-Dibromoethane		<0.02	<0.02
77596	Dibromomethane		<0.02	<0.02

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FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4284

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 11, 1993
PURCHASE ORDER:
SEI NO: WL7425
DATE COLLECTED: 09/22/93
DATE RECEIVED: 09/23/93
DATE ANALYZED: 10/18/93

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

		SEI ID	7425-1	7425-2
			MW 45-2	MW 45-4
DNR #	Analyte	Sample ID	2-4'	6-8'
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.02	<0.02
34566	1,3-Dichlorobenzene		<0.02	<0.02
34571	1,4-Dichlorobenzene		<0.03	<0.03
34668	Dichlorodifluoromethane		<0.02	<0.02
34496	1,1-Dichloroethane		<0.03	<0.03
32103	1,2-Dichloroethane		<0.02	<0.02
34501	1,1-Dichloroethene		<0.02	<0.02
77093	cis-1,2-Dichloroethene		0.87[a]	35[b]
34546	trans-1,2-Dichloroethene		<0.03	0.05
34541	1,2-Dichloropropane		<0.02	<0.02
77173	1,3-Dichloropropane		<0.02	<0.02
77170	2,2-Dichloropropane		<0.03	<0.03
77168	1,1-Dichloropropene		<0.02	<0.02
78113	Ethylbenzene		0.08	8[b]
34391	Hexachlorobutadiene		<0.03	<0.03
77223	Isopropylbenzene		0.02	<0.02
77356	p-Isopropyltoluene		0.02	0.09
34423	Methylene chloride		<0.05	7.0
34696	Naphthalene		7.2[a]	<0.03

CHAIN OF CUSTODY RECORD

PROJ. NO. W943046

PROJECT NAME

SAMPLERS: J. Ramponi

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs (8021)	cadmium (JR 10/6/93)	chromium (JR 10/6/93)	Lead (JR 10/6/93)	Nickel (JR 10/6/93)	zinc (JR 10/6/93)			SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
	MW45-2	9-22-93	1152		X	MW45-2 (2-4')	1	X	X	X	X	X	X			SOIL
	MW45-4	9-22-93	1156		X	MW45-4 (6-8')	1	X								SOIL

SAMPLE CONDITION:

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
[illegible]	9/23/93 1345	[illegible]	[illegible]
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
[illegible]	[illegible]	[illegible]	[illegible]

SPECIAL REQUESTS: On 10/6/93 requested Deb Keaton to run Metals on sample MW45-2

REPORT TO:
NAME: [illegible]
325 E [illegible] ST.
[illegible] WISCONSIN 532[illegible]
ADDRESS:
PHONE: 414 291 8840

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
(414) 783-6111
Fax (414) 783-5752

SWANSON ENVIRONMENTAL INC.

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4227

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

RECEIVED OCT 11 1993

Attn: Mr. Rick Binder
Project #W943046

DATE: October 7, 1993
PURCHASE ORDER:
SEI NO: WL7495
DATE COLLECTED: 09/27/93
DATE RECEIVED: 09/27/93
DATE ANALYZED: 09/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7495-1 MW-45
EPA Method 8021			
78124	Benzene		9,230
81555	Bromobenzene		<250
77297	Bromochloromethane		<250
32101	Bromodichloromethane		<250
32104	Bromoform		<1000
34413	Bromomethane		<2000
77342	n-Butylbenzene		<500
77350	sec-Butylbenzene		<500
77353	tert-Butylbenzene		<500
32102	Carbon tetrachloride		<250
34301	Chlorobenzene		<1000
34306	Chlorodibromomethane		<250
34311	Chloroethane		<1000
32106	Chloroform		<250
34418	Chloromethane		<1000
77275	2-Chlorotoluene		<500
77277	4-Chlorotoluene		<500
38437	1,2-Dibromo-3-chloropropane		<6650
77651	1,2-Dibromoethane		<500
77596	Dibromomethane		<250

SWANSON ENVIRONMENTAL INC.

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Brookfield, Wisconsin 53045
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FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4227

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 7, 1993
PURCHASE ORDER:
SEI NO: WL7495
DATE COLLECTED: 09/27/93
DATE RECEIVED: 09/27/93
DATE ANALYZED: 09/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7495-1 MW-45
EPA Method 8021			
34536	1,2-Dichlorobenzene		<500
34566	1,3-Dichlorobenzene		<500
34571	1,4-Dichlorobenzene		<250
34668	Dichlorodifluoromethane		<1000
34496	1,1-Dichloroethane		<250
32103	1,2-Dichloroethane		<250
34501	1,1-Dichloroethene		<200
77093	cis-1,2-Dichloroethene		133,000*
34546	trans-1,2-Dichloroethene		<250
34541	1,2-Dichloropropane		<250
77173	1,3-Dichloropropane		<250
77170	2,2-Dichloropropane		*
77168	1,1-Dichloropropene		<500
78113	Ethylbenzene		<500
34391	Hexachlorobutadiene		<500
77223	Isopropylbenzene		<500
77356	p-Isopropyltoluene		<500
34423	Methylene chloride		<1250
34696	Naphthalene		<500

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B4227

Triad Engineering, Inc.
325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #W943046

DATE: October 7, 1993
PURCHASE ORDER:
SEI NO: WL7495
DATE COLLECTED: 09/27/93
DATE RECEIVED: 09/27/93
DATE ANALYZED: 09/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	7495-1 MW-45
EPA Method 8021			
77224	n-Propylbenzene		<500
77128	Styrene		<2500
77562	1,1,1,2-Tetrachloroethane		<250
34516	1,1,2,2-Tetrachloroethane		<500
34475	Tetrachloroethene		<250
78131	Toluene		<1000
77613	1,2,3-Trichlorobenzene		<500
34551	1,2,4-Trichlorobenzene		<500
34506	1,1,1-Trichloroethane		<250
34511	1,1,2-Trichloroethane		<250
39180	Trichloroethene		16,400
34488	Trichlorofluoromethane		<500
77443	1,2,3-Trichloropropane		<1000
77222	1,2,4-Trimethylbenzene		<500
77226	1,3,5-Trimethylbenzene		<500
39175	Vinyl chloride		8,170
77135	o-Xylenes		<500
85795	m & p Xylenes		<500

* These compounds co-eluted, reported values reflect concentration of cis-1,2-Dichloroethene and/or 2,2-Dichloropropane.

Elevated detection level due to high analyte concentration.

Gary E. Barry
Projects Coordinator

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
N943546	TRIAD ENGINEERING CHRYSLER

SAMPLERS: RANDY KRAEMER & MEINHOLZ

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOC (8021)	SAMPLE TYPE
	MW45	9-27-94	1300		X	MW 45	2	X	GROUNDWATER

SAMPLE CONDITION: Good Iced

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
RECEIVED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME

SPECIAL REQUESTS:

REPORT TO:

NAME:

ADDRESS:

PHONE:

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
(414) 783-6111
Fax (414) 783-5752

SWANSON ENVIRONMENTAL INC.

HNU PI–101 INSTRUMENT SET–UP AND FIELD RECORD

Operator: J. Ramponi
Date: 9/22/93
Site: Chrysler Corp.
Weather: Partly Sunny 65 Degrees F

Media Sampled (Soil, Groundwater, Waste {type}) Soil

Instrument No.: 41907–266
Model 580B
Probe Identification: 10.6 eV
Calibration Gas:
Gas Type Isobutylene
Batch #
Bottle I.D. Lot 36517

Battery: O.K.
Zero: 2.3
Calibration: 250
Span Setting: –

Sample #	Location	Depth* (ft)	Time Sampled	Time Analyzed	Background Response	Peak Response	Comments
–1	MW 45	0–2	1150	1318	1.3	11.2	
–2	MW 45	2–4	1152	1319	0.7	297	Strong solvent–like odor
–3	MW 45	4–6	1154	1320	1.3	513	Strong solvent–like odor
–4	MW 45	6–8	1156	1321	1.8	623	Strong solvent–like odor
–5	MW 45	8–10	1158	1322	1.8	575	Saturated sand

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Chrysler Corporation		MW-45

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Soils and Engineering Services, J. Patterson	9/22/93	9/22/93	HSA 4.25 ID

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-45	Feet MSL	Feet MSL	8.0 Inches

Boring Location
State Plane N, E
SW 1/4 of SE 1/4 of Section 36 T 2 N, R 22 E
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N Feet ☐ E
☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Kenosha	30	City of Kenosha

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	14	4 6 8 11	0 1	0-0.7 feet TOPSOIL.	OL			11.2						
				0.7-2.0 feet CLAY, trace sand, medium, non-plastic, yellowish brown (10 YR 5/4), dry.	CL									
2	16	6 6 7 9	2 3	2.0-4.0 feet CLAY, trace sand, medium, non-plastic, yellowish brown (10 YR 5/4), to greenish black, strong solvent-like odor, dry.	CL			297.0						
3	24	3 4 5 7	4 5	4.0-6.0 feet CLAY, greenish-gray, strong solvent-like odor, moist.	CL			513.0						
4	23	2 2 3 4	6 7	6.0-8.0 feet SANDY CLAY, seams of sandy silt, non-plastic, gray (10 YR 5/1), strong solvent-like odor, moist.	CL			623.0						
5	19	7 7 9 12	8 9 10 11 12	8.0-10.0 feet SILTY SAND, dark grayish brown (10 YR 4/2), strong solvent-like odor, wet.	SM			575.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm TRIAD ENGINEERING INCORPORATED
Milwaukee, Wisconsin
Tel: 414 291 8840, Fax: 414 291 8841

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information Supplement
Form 4400-122A 7-91

Boring Number **MW-45** Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
			13											
			14											
			15											
			16											
				EOB 16.5 feet										

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: CHRYSLER CORPORATION	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-45
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number / DNR Well Number: _____
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location of Waste/Source: SW 1/4 of SE 1/4 of Sec. 36, T. 2 N, R. 22 ■E ☐W	Date Well Installed: 09/22/93 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) SOILS AND ENGINEERING SERVICES, PATTERSON
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No		

A. Protective pipe, top elevation 626.87 ft. MSL
B. Well casing, top elevation 626.45 ft. MSL
C. Land surface elevation 624.4 ft. MSL
D. Surface seal, bottom 623.4 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

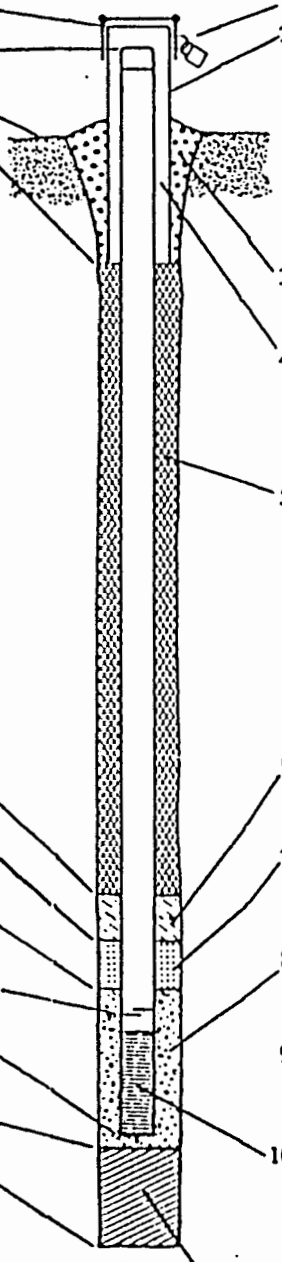
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ■ 99

16. Drilling additives used? ☐ Yes ■ No
Describe _____

17. Source of water (attach analysis):

E. Bentonite seal, top 623.4 ft. MSL or 1.0 ft.
F. Fine sand, top 619.4 ft. MSL or 5.0 ft.
G. Filter pack, top 618.9 ft. MSL or 5.5 ft.
H. Screen joint, top 618.4 ft. MSL or 6.0 ft.
I. Well bottom 608.4 ft. MSL or 16.0 ft.
J. Filter pack, bottom 607.9 ft. MSL or 16.5 ft.
K. Borehole, bottom 607.9 ft. MSL or 16.5 ft.
L. Borehole, diameter 7.6 in. O.D.
M. O.D. well casing 2.0 in.
N. I.D. well casing ____ in.



1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 3.0 in.
b. Length: 7.0 ft.
c. Material: Steel ■ 04; Other ☐ __
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ■ 30; Concrete ☐ 01; Other ☐ __
4. Material between well casing and protective pipe: Bentonite ■ 30; Annular space seal ☐ __; Other ☐ __
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ■ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. BADGER MINING CO. 40-60
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. RED FLINT SAND AND GRAVEL 35-45
b. Volume added 5 BAGS ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; PVC Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14; Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Jeanne Rayson	TRIAD ENGINEERING INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Chrysler Corporation	Kenosha	MW-45

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
_____	30	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ __

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 16.5 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 3.9 gal.

7. Volume of water removed from well 50.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 9.69 ft.	____.__ ft.
Date	b. 09/27/93 (m m d d y y)	09/27/93 (m m d d y y)
Time	c. 09:00 ☒ a.m. ☐ p.m.	10:00 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	MUDDY BROWN	MUDDY BROWN

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: GREG MEINHOLZ

Firm: TRIAD ENGINEERING

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Greg Meinholz

Print Initials: GJM

Firm: TRIAD ENGINEERING

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

SLUG/PUMP TEST DATA

PROJECT NAME/NUMBER: Chrysler Corporation / W943046

WELL NUMBER: MW-45

DATE: September 27, 1993

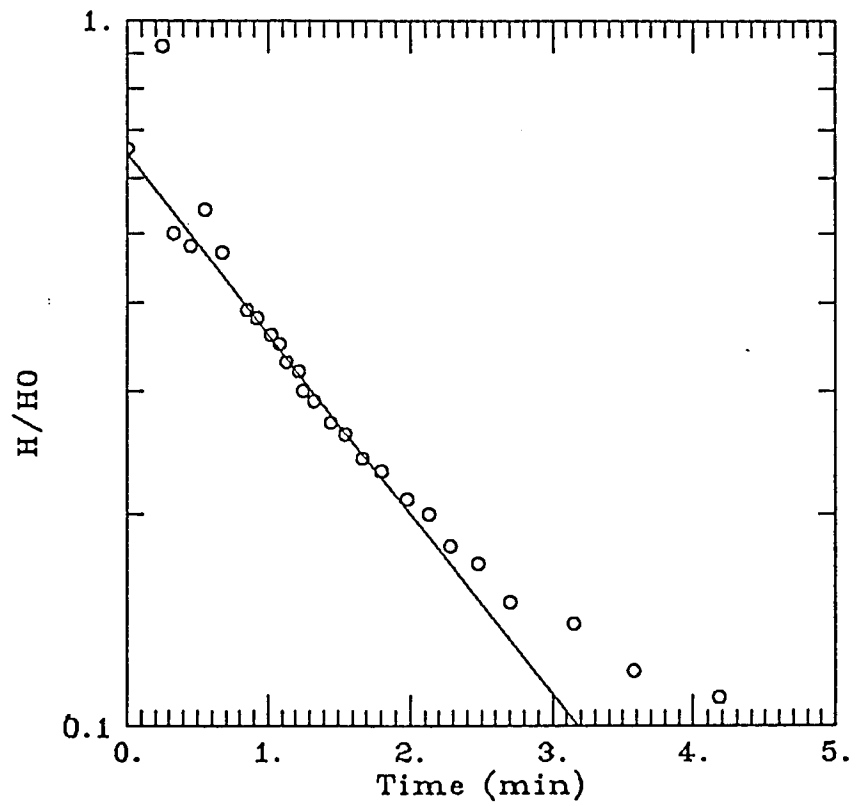
STATIC WATER LEVEL (S.W.L.): 9.69'

TIME MEASURED S.W.L.: ---

EQUIPMENT: Bailer, Water Level Indicator, Stopwatch

TIME (minutes)	WATER DEPTH (feet)
0	10.35
.25	10.3
.33	10.02
.45	10.01
.55	10.05
.67	10.00
.85	9.95
.92	9.94
1.02	9.93
1.08	9.92
1.13	9.91
1.22	9.9
1.25	9.89
1.33	9.88
1.45	9.87
1.55	9.86
1.67	9.85
1.8	9.84
1.98	9.83
2.13	9.82
2.28	9.81
2.48	9.8
2.7	9.79
3.15	9.78
3.58	9.77
4.18	9.76

MW45



DATA SET:
mw45
11/11/93

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice

ESTIMATED PARAMETERS:
K = 0.001168 ft/min
y0 = 0.648 ft

TEST DATA:
H0 = 0.66 ft
rc = 0.167 ft
rw = 0.667 ft
L = 10. ft
b = 90. ft
H = 6.91 ft

ATTACHMENT D

MW-27B
REPAIR/CONSTRUCTION MODIFICATION DOCUMENTATION

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: CHRYSLER MAIN PLANT, KENOSHA	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-27B
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number / DNR Well Number: _____
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 36, T. 2 N, R. 22 ■ E ☐ W	Date Well ~~Installed~~ Repaired: 09/22/93 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ~80 ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	Well ~~Installed~~ Rv: (Person's Name and Firm): Repaired SOILS AND ENGINEERING SERVICES INC. JIM PATTERSON
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ■ SC ☐ ML ■ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

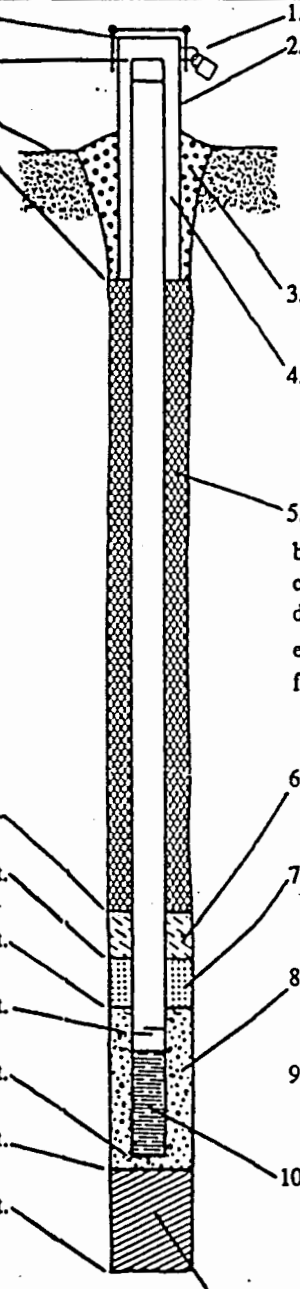
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

16. Drilling additives used? ☐ Yes ■ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top _____ ft. MSL or _____ ft.
H. Screen joint, top _____ ft. MSL or _____ ft.
I. Well bottom _____ ft. MSL or _____ ft.
J. Filter pack, bottom _____ ft. MSL or _____ ft.
K. Borehole, bottom _____ ft. MSL or _____ ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.0 in.
N. I.D. well casing 1.91 in.



1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ■ 04; Other ☐ _____
d. Additional protection? ■ Yes ☐ No
If yes, describe: 3 STEEL BUMPER POSTS
3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ■; Other ☐ _____
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. ~0.6 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ■1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ■ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining Corp. VV#40
b. Volume added ~0.3 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. American Materials, Red Flint 30
b. Volume added ~3.9 ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____
10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer northern Air
c. Slot size: 0.010 in.
d. Slotted length: _ ft.
11. Backfill material (below filter pack): None ■ 14; Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Jean Rapai | Firm: Mad Engineering Inc

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
_ _ _ _ _ _ _	_ _	_ _ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _ / _ _ / _ _ m m d d y y	_ _ / _ _ / _ _ m m d d y y
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ _ . _ mg/l	_ _ _ _ _ . _ mg/l
15. COD	_ _ _ _ _ . _ mg/l	_ _ _ _ _ . _ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: _____

Firm: _____

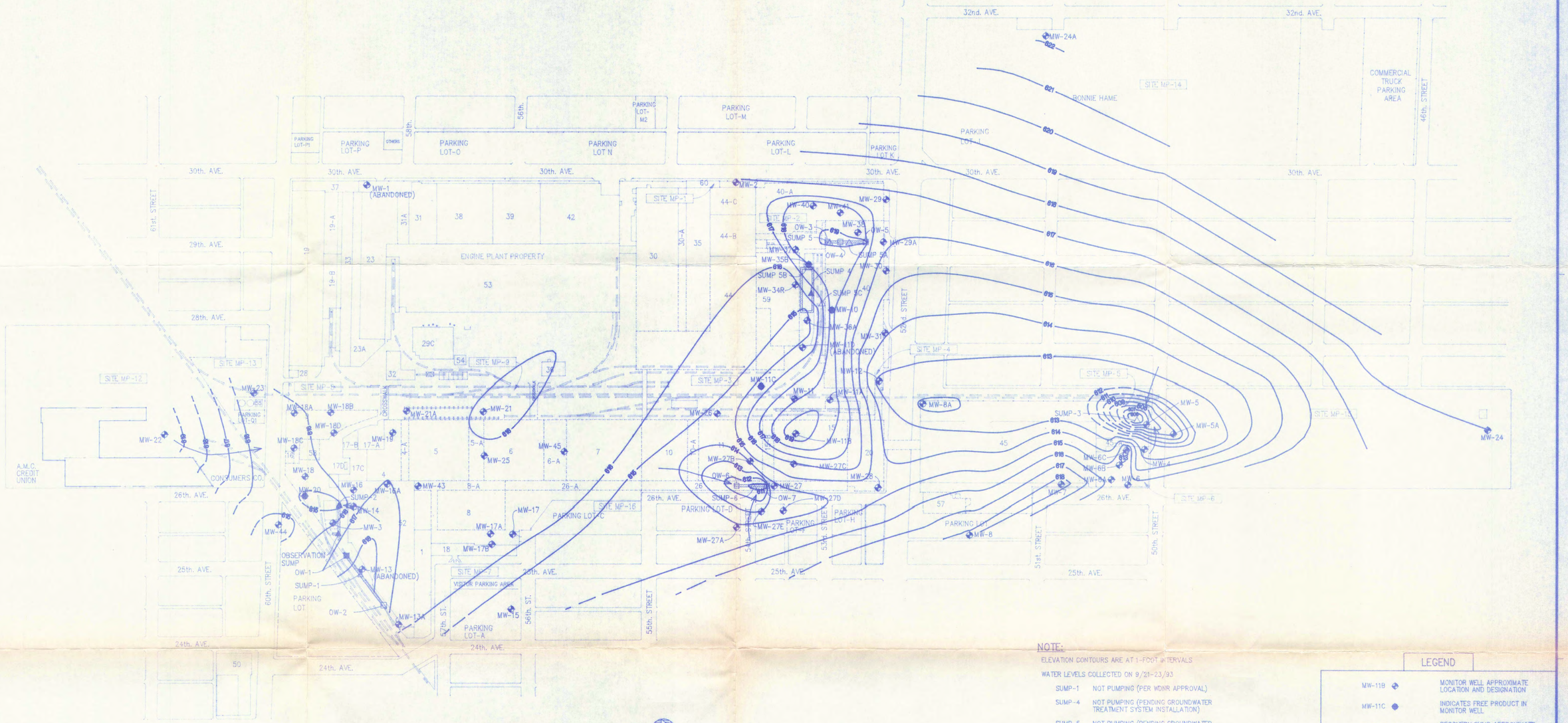
I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: _____

Print Initials: _ _ _

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.



NOTE:

ELEVATION CONTOURS ARE AT 1-FOOT INTERVALS

WATER LEVELS COLLECTED ON 9/21-23/93

SUMP-1 NOT PUMPING (PER WDNR APPROVAL)

SUMP-4 NOT PUMPING (PENDING GROUNDWATER TREATMENT SYSTEM INSTALLATION)

SUMP-5 NOT PUMPING (PENDING GROUNDWATER TREATMENT SYSTEM INSTALLATION)

LEGEND

MW-11B	MONITOR WELL APPROXIMATE LOCATION AND DESIGNATION
MW-11C	INDICATES FREE PRODUCT IN MONITOR WELL
SUMP-3	RECOVERY SUMP APPROXIMATE LOCATION AND DESIGNATION
SUMP-2	INDICATES FREE PRODUCT IN SUMP
OW-2	OBSERVATION WELL APPROXIMATE LOCATION AND DESIGNATION
OW-1	INDICATES FREE PRODUCT IN OBSERVATION WELL
	RECOVERY SYSTEM TRENCH
	PROPERTY LINE
	FENCE LINE
12	ACTIVE BUILDING / NUMBER
12	DEMOLISHED BUILDING / NUMBER
623	WATER LEVEL ELEVATION CONTOUR (ft. msl; DASHED WHERE INFERRED)
	INFERRED GROUND-WATER FLOW DIRECTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DSGN
DR L.J.STANTON
CHK R.J.BINDER
APVD

NO.	DATE	REVISION	BY	APVD

TRIAD ENGINEERING INCORPORATED
325 East Chicago Street
Milwaukee, Wisconsin 53202
(414)-291-8840
FAX 291-8841

CHRYSLER CORPORATION
KENOSHA MAIN PLANT
WATER TABLE MAP (SEPTEMBER, 1993)

SHEET NO.
DWG NO. 43046-10
DATE NOV 93
PROJ NO. W943046

230604550 19931112-43