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

PREPARED FOR:

**CHRYSLER CORPORATION
12000 CHRYSLER DRIVE
HIGHLAND PARK, MICHIGAN 48203**

TRIAD ENGINEERING PROJECT NO. 11013

AUGUST 1993



TRIAD ENGINEERING INCORPORATED

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



August 13, 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
June 1993 Quarterly Sampling
Chrysler Corporation Kenosha Main Plant
Kenosha, Wisconsin**

Dear Mr. Rose:

Triad Engineering, Inc. (Triad) is pleased to present this groundwater monitoring report for sampling performed during June 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
- Computer Automated Summary Tables

Additional work performed during this period included groundwater monitor well installation (MW-44), abandonment (MW-1) and repair (MW-11A), which are discussed herein.

Water Table Map

Groundwater surface elevations were measured between June 15 - 17, 1993, and were contoured to assess groundwater flow directions across the site. This information is provided in Attachment A and shown in Drawing 1. Groundwater continues to be drawn towards the existing groundwater recovery systems. Please note that Sump 1 is no longer in operation per Wisconsin Department of Natural Resources (WDNR) approval. Sumps 4, 5, and 6 were not operating at the time of water level measurements and were partially recovered. Based on system start-up analytical data, these systems were deactivated in order to assess groundwater treatment options. Sump 6 will be reactivated during August 1993. Sumps 4 and 5 will be reactivated in November 1993.

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Groundwater Sampling

Groundwater samples were collected from 37 monitoring wells between June 15 - 17, 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.

Computer Automated Summary Tables

Groundwater quality results are provided in Tables 2-9. 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 140, Wisconsin Administrative Code (Groundwater Quality) for ease of comparison.

The tables included in this report were produced via a data management program jointly by Triad and Swanson Environmental, Inc. This program has eliminated the potential for transpositional errors while also significantly reducing table preparation time. As requested, we have included a copy of the database as supplied by Swanson and spreadsheets produced by the database program.

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

ADDITIONAL WORK PERFORMED

Monitor Well MW-44 Installation

Water-table monitor well MW-44 was installed on City of Kenosha property approximately 50 feet southeast of well MW-20 adjacent to 60th Street on June 4, 1993. The well was installed in order to evaluate ground-water quality and ground-water flow (hydraulic control) in this area.

The boring required to install the well 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.



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One soil sample, collected immediately above the water table was submitted for laboratory analysis of VOCs (EPA Method 8021) and diesel range organics (DRO, Wisconsin DNR Modified DRO Method) to evaluate soil conditions in the fluctuation zone above the water table.

The monitor well was installed and developed in accordance with Chapter NR 141 Wisconsin Administrative Code (NR 141) requirements and was flush mounted as the well is located in a high traffic area. 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. A groundwater sample from the well was collected and submitted for laboratory analysis for VOCs, DRO and total recoverable petroleum hydrocarbons (TRPH, Wisconsin DNR Modified Version of EPA Draft Method 9073).

No field evidence of soil or groundwater impacts was observed during borehole/monitor well installation. No significant detections of analyzed constituents occurred for soil and groundwater samples submitted for analysis. Supporting documentation is contained in Appendix C. This includes Laboratory Analytical reports, Chain-of-Custody forms, Water Sampling Field Data forms, Borehole, Well Construction and Well Development Logs and hydraulic testing data.

Monitor Well MW-1 Abandonment

Monitor Well MW-1 was abandoned on June 8, 1993, per WDNR approval. The well which was located on the engine plant property, exhibited no historical soil or groundwater impacts, and is not needed to evaluate hydraulic control. The well was abandoned by overdrilling. This method helps ensure that all of the well components are removed. The borehole was then filled with a cement-bentonite-water grout per Chrysler Corporate borehole abandonment policy and Chapter NR 141, Wisconsin Administrative Code requirements. A WDNR Borehole Abandonment form for MW-1 is contained in Attachment D.

Monitor Well MW-11A Repair/Modification

Monitor Well MW-11A was repaired on June 8, 1993. The aboveground steel protective casing was bent, however, the PVC well riser was not damaged below the bend in the protective pipe. The well was finished as a flush mounted well as it is located in a high traffic area. The well was resurveyed per Chapter NR 141 Wisconsin Administrative Code requirements. A monitor well construction log documenting construction modification is contained in Attachment E.



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

Sincerely,

TRIAD ENGINEERING, INC.

A handwritten signature in blue ink that reads "Richard J. Binder". The signature is written in a cursive style.

Richard J. Binder
Hydrogeologist/Project Manager

RJB:sk

Enclosure

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cc: Mr. Jack Bugno, Chrysler-Kenosha
Mr. Dave Voight, Triad

TRIAD ENGINEERING, INC.

A handwritten signature in blue ink that reads "Jeanne M. Ramponi". The signature is written in a cursive style.

Jeanne M. Ramponi
Hydrogeologist

TABLE 1
JUNE 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				Proposed recovery sump, bi-monthly sampling.
Sump-5A				Proposed observation/recovery sump. Water/product level only.
Sump-5B				Weekly/product level only.
Sump-5C				Weekly/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	X			
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.

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
JUNE 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				
OW-2				
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 and TRPH, 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.

TABLE 1
JUNE 1993 QUARTERLY GROUNDWATER SAMPLING AND ANALYSIS SPECIFICATIONS
CHRYSLER CORPORATION KENOSHA MAIN PLANT (Continued)
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				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			
Sump 6				Water level only.
OW-5				Water level only.
OW-6				Water level only.
OW-7				Water level only.
Engine Plant Property				
MW-1				Well is abandoned.

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

PARAMETER	MW-36A	MW-36A	MW-36A	MW-37	MW-37	MW-38	MW-38	MW-38D ¹	MW-38	MW-83 ¹	MW-40	MW-40	MW-40	MW-41	MW-41	MW-41	NR 140	
DATE	12/21/92	03/25/93	06/15/93	12/21/92	03/26/93	12/21/92	03/25/93	03/25/93	06/15/93	06/15/93	12/21/92	03/25/93	06/15/93	12/21/92	03/25/93	06/15/93	ENFORCEMENT STANDARD	PAL**
LABORATORY REPORT NUMBER	81332	B2147	B3002	81332	B2084	B1332	B2147	B2147	B3002	B3002	81332	B2147	B3002	81332	B2147	B3002		
VOLATILE ORGANIC COMPOUNDS																		
BENZENE	< 0.6	< 0.6	< 0.5	< 0.6	0.9	< 0.6	< 0.6	< 6	< 0.5	< 0.5	< 0.6	0.6	< 0.5	< 0.6	0.8	1.5	5	.067
TERT-BUTYLBENZENE	< 1.5	1.7	< 0.5	< 1.5	< 1.5	< 1.5	< 1.5	< 15	< 0.5	< 0.5	< 1.5	1.7	< 0.5	< 1.5	< 1.5	< 0.5	*	*
CHLOROETHANE	50	33	31	< 1.0	< 1.0	33	< 10	< 10	18	18	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 0.5	400	80
DICHLORODIFLUOROMETHANE	< 1.0	< 1.0	0.5	< 1.0	< 1.0	< 1.0	< 10	< 10	< 0.5	< 0.5	20	< 1.0	4.6	< 1.0	20	< 0.5	*	*
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.8	1.3	220	73	76	100	83	16	1.1	25	< 0.8	6.8	0.9	850	85
1,1-DICHLOROETHENE	< 1.3	< 1.3	< 0.5	< 1.3	< 1.3	< 1.3	< 13	< 13	1.2	1.3	< 1.3	< 1.3	< 0.5	< 1.3	< 1.3	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	12	7	9.4	< 1.5	< 1.0	320	270	270	270	180	< 1.5	5.8	1.7	< 1.5	< 1.0	< 0.6	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 1.2	< 1.2	20	17	17	9.2	9.5	< 1.2	< 1.2	< 0.7	< 1.2	< 1.2	< 0.7	100	20
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.6	< 6	< 6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	0.7	*	*
METHYLENE CHLORIDE	4.1	< 2.1	< 2.0	< 2.1	< 2.1	< 2.1	< 21	< 21	< 2.0	< 2.0	< 2.1	4.0	< 2.0	< 2.1	< 2.1	< 2.0	150	15
TOLUENE	2.3	0.9	1.2	< 0.7	< 0.7	1.7	8.1	8.2	1.2	1.2	1.6	< 0.7	1.2	< 0.7	0.8	1.2	343	88.8
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	0.6	< 0.8	< 0.8	1.0	< 8	8.5	0.9	9.9	2.9	1.0	1.5	< 0.8	1.7	0.8	200	40
TRICHLOROETHENE	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	23	26	29	13	17	2.8	0.8	3.5	< 0.8	2.3	< 0.5	5	0.18
1,3,5-TRIMETHYLBENZENE	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	< 0.8	< 8	< 8	< 0.5	< 0.5	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	< 0.5	*	*
VINYL CHLORIDE	16	4.5	23	< 0.7	< 0.7	460	210	240	340	240	< 0.7	6.7	0.8	< 0.7	0.9	< 0.5	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	ND	< 1.0	< 1.0	< 1.0	< 10.0	< 10.0	ND	ND	< 1.0	1.0	ND	< 1.0	< 1.0	ND		
M&P-XYLENE	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	< 10	< 10	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	1.0	< 0.5	620	124

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

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

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

PARAMETER	MW-29	MW-29	MW-29	MW-29A	MW-29A	MW-29A	MW-30	MW-30	MW-30	MW-31	MW-31	MW-31	MW-34R	MW-34R	NR 140	
DATE	12/21/92	03/25/93	06/15/93	12/21/92	03/25/93	06/15/93	12/21/92	03/25/93	06/15/93	12/21/92	03/25/93	06/15/93	12/21/92	06/15/93	ENFORCEMENT STANDARD	PAL**
LABORATORY REPORT NUMBER	B1332	B2147	B3002	B1332	B2147	B3002	B1332	B2147	B3002	B1332	B2147	B3002	B1332	B3002		
VOLATILE ORGANIC COMPOUNDS																
BENZENE	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.5	< 0.6	< 0.5	5	.067
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 0.5	< 1.5	< 1.5	< 0.5	< 1.5	2.0	< 0.5	< 1.5	1.5	< 0.5	< 1.5	< 0.5	*	*
CHLOROETHANE	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	< 0.5	400	80
DICHLORODIFLUOROMETHANE	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	< 0.5	*	*
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.8	< 0.8	< 0.6	< 0.8	< 0.8	< 0.6	< 0.8	< 0.8	< 0.6	< 0.8	< 0.6	850	85
1,1-DICHLOROETHENE	< 1.3	< 1.3	< 0.5	< 1.3	< 1.3	< 0.5	< 1.3	< 1.3	< 0.5	< 1.3	< 1.3	< 0.5	< 1.3	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	< 1.5	< 1.0	< 0.6	< 1.5	< 1.0	< 0.6	< 1.5	< 1.0	< 0.6	2.2	2.5	3.5	< 1.5	< 0.6	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 1.2	< 1.2	< 0.7	< 1.2	< 1.2	< 0.7	< 1.2	< 1.2	< 0.7	< 1.2	< 0.7	100	20
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.5	< 0.6	< 0.5	*	*
METHYLENE CHLORIDE	< 2.1	2.6	< 2.0	< 2.1	< 2.1	< 2.0	< 2.1	5.1	< 2.0	< 2.1	7.0	< 2.0	< 2.1	< 2.0	150	15
TOLUENE	< 0.7	1.0	1.3	1.7	1.0	1.2	1.9	0.9	1.0	1.9	0.9	1.2	< 0.7	1.1	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	0.7	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	0.6	< 0.8	< 0.8	< 0.5	< 0.8	0.6	200	40
TRICHLOROETHENE	2.5	< 0.8	< 0.5	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	1.1	< 0.8	1.4	3.1	< 0.8	0.9	5	0.18
1,3,5-TRIMETHYLBENZENE	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	< 0.5	< 0.8	< 0.5	*	*
VINYL CHLORIDE	< 0.7	< 0.7	< 0.5	0.9	< 0.7	< 0.5	< 0.7	< 0.7	< 0.5	< 0.7	< 0.7	< 0.5	< 0.7	< 0.5	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	ND	< 1.0	< 1.0	ND	< 1.0	1.0	ND	< 1.0	< 1.0	ND	< 1.0	ND		
M&P-XYLENE	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	1.1	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	< 0.5	620	124

Note: All values in µg/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
 ND Not Detected

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-11B	MW-11B	MW-11B	MW-11C	NR 140	
DATE	12/21/92	03/26/93	06/16/93	06/15/93	12/21/92	03/24/93	06/15/93	03/26/93	ENFORCEMENT STANDARD	PAL **
LABORATORY REPORT NUMBER	B1332	B2084	B5972	B3002	B1332	B2102	B3002	B2084		
VOLATILE ORGANIC COMPOUNDS										
BENZENE	68	82	95	41	< 0.6	< 0.6	< 0.5	0.7	5	.067
N-BUTYLBENZENE	6.0	< 27	< 25	2.4	< 1.1	< 1.1	< 0.5	1.7	*	*
SEC-BUTYLBENZENE	< 0.7	< 17	< 40	1.1	< 0.7	< 0.7	< 0.8	< 0.7	*	*
CHLOROETHANE	< 1.0	< 25	< 25	< 0.5	< 1.0	< 1.0	< 0.5	65	400	80
1,1-DICHLOROETHANE	< 0.8	< 20	< 30	< 0.6	< 0.8	< 0.8	< 0.6	3.4	850	85
CIS-1,2-DICHLOROETHENE	2.6	< 37	< 30	< 0.6	< 1.5	< 1.0	< 0.6	1.8	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 30	< 35	< 0.7	< 1.2	< 1.2	< 0.7	2.4	100	20
ETHYLBENZENE	510	460	1100	1.1	< 0.5	< 0.5	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	1.2	27	25	6.9	< 0.6	< 0.6	< 0.5	< 0.6	*	*
P-ISOPROPYLTOLUENE	< 0.7	< 17	< 25	< 0.5	< 0.7	< 0.7	< 0.5	0.9	*	*
METHYLENE CHLORIDE	< 2.1	100	< 100	< 2.0	2.7	< 2.1	< 2.0	2.6	150	15
NAPHTHALENE	< 1.5	< 37	57	1.0	< 1.5	< 1.5	< 0.7	< 1.5	40	8
N-PROPYLBENZENE	35	< 22	30	9.2	< 0.9	< 0.9	< 0.6	< 0.9	*	*
TOLUENE	19	48	81	2.9	1.9	< 0.7	1.1	0.7	343	68.6
TRICHLOROETHENE	2.9	< 20	< 25	< 0.5	< 0.8	< 0.8	< 0.5	< 0.8	5	0.18
1,2,4-TRIMETHYLBENZENE	64	69	100	2.2	< 1.0	< 1.0	< 0.9	1.8	*	*
1,3,5-TRIMETHYLBENZENE	94	100	97	1.1	< 0.8	< 0.8	< 0.5	1.3	*	*
VINYL CHLORIDE	< 0.7	< 17	< 25	< 0.5	< 0.7	< 0.7	< 0.5	0.8	0.2	0.0015
O-XYLENE	17	45	< 25	< 0.5	< 1.0	< 1.0	< 0.5	< 1.0	*	*
M&P-XYLENE	1100	1100	1900	14	< 1.0	< 1.0	< 0.5	< 1.0	*	*

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

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

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

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

11013TBL4

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

PARAMETER	MW- 5	MW- 5	MW- 5	NR 140	
	DATE	12/23/92	03/26/93	06/17/93	ENFORCEMENT STANDARD
LABORATORY REPORT NUMBER	B1332	B2084	B3092		
VOLATILE ORGANIC COMPOUNDS					
BENZENE	68	110	100	5	.067
N-BUTYLBENZENE	2.5	< 1.1	N/A	•	•
TERT-BUTYLBENZENE	2.4	< 1.5	N/A	•	•
CHLOROETHANE	5.1	< 1.0	N/A	400	80
CIS-1,2-DICHLOROETHENE	3.6	< 1.0	N/A	100	10
ETHYLBENZENE	6.3	12	<5.0	1360	272
N-PROPYLBENZENE	4.3	< 0.9	N/A	•	•
TOLUENE	1.9	5	<5.0	343	68.6
1,3,5-TRIMETHYLBENZENE	4.0	< 0.8	N/A	•	•
VINYL CHLORIDE	0.8	< 0.7	N/A	0.2	0.0015
O-XYLENE	3.6	N/A	N/A	•	•
XYLENES (Total)***	3.6	7	< 5.0	620	124

Note: All values in µg/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
 ND Not Detected
 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 NP-7**

PARAMETER	MW-14	MW-14	MW-14	MW-16	MW-16	MW-16D ¹	MW-16	MW-61 ¹	MW-16A	MW-16A	MW-16A	NR 140	
	DATE	03/25/93 03/26/93	08/17/93	12/15/92	03/25/93 03/26/93	03/25/93 03/26/93	08/17/93	06/17/93	12/15/92	03/25/93 03/26/93	06/17/93	ENFORCEMENT STANDARD	PAL**
LABORATORY REPORT NUMBER	B1306	B2147/ B2084	B3092	B1306	B2147/ B2084	B2147/ B2084	B3092	B3092	B1306	B2187/ B2084	B3092		
INORGANICS													
CYANIDE	< 10	< 10	< 10	500	440	< 10	310	260	20	< 10	70	200	40
VOLATILE ORGANIC COMPOUNDS													
BENZENE	< 0.6	< 0.6	< 0.5	< 0.6	0.8	< 0.6	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	*	*
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 0.5	< 1.5	< 1.5	< 1.5	< 0.5	< 0.5	< 1.5	< 1.5	< 0.5	400	80
CHLOROETHANE	< 1.0	< 1.0	< 0.5	< 1.0	2.1	1.8	4.2	5.0	< 1.0	< 1.0	< 0.5	850	85
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.6	< 0.8	1.0	1.4	2.5	2.2	< 0.8	< 0.8	< 0.6	5	0.05
CIS-1,2-DICHLOROETHENE	< 1.0	< 1.0	< 0.6	< 1.0	< 1.0	< 1.0	< 0.6	< 0.6	< 1.0	< 1.0	< 0.6	7	0.024
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	< 1.2	< 1.2	< 1.2	< 0.7	< 0.7	< 1.2	< 1.2	< 0.7	100	10
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.6	0.7	0.8	< 0.5	< 0.5	< 0.6	< 0.6	< 0.5	100	20
METHYLENE CHLORIDE	< 2.1	< 2.1	7.5	< 2.1	< 2.1	< 2.1	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	*	*
TOLUENE	< 0.7	0.9	< 0.5	< 0.7	1.0	0.8	< 0.5	< 0.5	< 0.7	< 0.7	< 0.5	1360	272
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 0.5	< 0.8	2.1	2.6	5.0	4.2	< 0.8	< 0.8	< 0.5	*	*
TRICHLOROETHENE	< 0.8	< 0.8	< 0.5	< 0.8	1.0	1.0	1.7	1.5	< 0.8	< 0.8	< 0.5	*	*
O-XYLENE	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	150	15
M&P-XYLENE	< 1.0	1.0	< 0.5	< 1.0	1.0	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	< 0.5	40	8

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

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-43	MW-43	MW-43	NR 140	
DATE	12/22/92	03/24/93	08/16/93	12/22/92	03/24/93 03/26/93	08/16/93	ENFORCEMENT STANDARD	PAL**
LABORATORY REPORT NUMBER	B1326/ B1332	B2102	B5972	B1332/ B1326	B2102/ B2084	B5972		
INORGANICS								
CYANIDE	< 10	N/A	< 10	< 10	70	< 10	200	40
VOLATILE ORGANIC COMPOUNDS								
BENZENE	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.5	5	.067
TERT-BUTYLBENZENE	< 1.5	< 1.5	< 0.5	< 1.5	< 1.5	< 0.5	.	.
CHLOROETHANE	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	400	80
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.8	< 0.8	0.9	< 0.8	850	85
CIS-1,2-DICHLOROETHENE	< 1.5	8.4	< 0.6	8.2	8.1	1.9	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 0.7	13	12	1.6	100	20
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.5	.	.
METHYLENE CHLORIDE	< 2.1	2.6	< 2.0	< 2.1	< 2.1	< 2.0	150	15
TOLUENE	< 0.7	< 0.7	< 0.5	< 0.7	< 0.7	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 0.5	< 0.8	< 0.8	< 0.5	200	40
TRICHLOROETHENE	< 0.8	3.5***	< 0.5	21	17	5.5	5	0.18
O-XYLENE	1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	.	.
M&P-XYLENE	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 0.5	.	.

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

ND Not Detected

N/A Not Analyzed

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-018 MW-18E ¹	MW-18	MW-81 ¹	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	12/22/92	03/24/93	06/16/93	ENFORCEMENT STANDARD
LABORATORY REPORT NUMBER	B1332/ B1326	B2102/ B2084	B2102 B2084	B5972	B5972	B1332	B2102	B5972		
INORGANICS										
CYANIDE	< 10	< 10	210	< 10	< 10	N/A	N/A	N/A	200	40
VOLATILE ORGANIC COMPOUNDS										
N-BUTYLBENZENE	< 1.1	< 1.1	< 0.6	< 25	< 25	2.1	< 1.1	< 0.5	*	*
CHLOROETHANE	1.1	< 1.0	< 1.1	< 25	< 25	< 1.0	< 1.0	< 0.5	400	80
1,1-DICHLOROETHANE	7.2	2.8	< 1.0	< 30	< 30	< 0.8	< 0.8	< 0.6	850	85
1,2-DICHLOROETHANE	< 0.9	< 0.9	2.4	< 25	< 25	< 0.9	< 0.9	< 0.5	5	0.05
1,1-DICHLOROETHENE	7.7	5.7	< 0.9	< 25	< 25	< 1.3	< 1.3	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	680	510	4.6	1900	1900	< 1.5	< 1.0	< 0.6	100	10
TRANS-1,2-DICHLOROETHENE	690	90	520	140	160	< 1.2	< 1.2	< 0.7	100	20
1,1-DICHLOROPROPENE	< 0.5	< 0.5	140	< 25	< 25	< 0.5	< 0.5	< 0.5	*	*
ETHYLBENZENE	< 0.5	< 0.5	< 0.5	< 25	< 25	7.6	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.5	< 25	< 25	1.7	< 0.6	< 0.5	*	*
P-ISOPROPYLTOLUENE	< 0.7	< 0.7	< 0.6	< 25	< 25	< 0.7	< 0.7	< 0.5	*	*
METHYLENE CHLORIDE	< 2.1	6.1	< 0.7	<100	< 100	< 2.1	< 2.1	< 2.0	150	15
NAPHTHALENE	< 1.5	< 1.5	< 2.1	< 35	< 35	< 1.5	< 1.5	< 0.7	40	8
N-PROPYLBENZENE	< 0.9	< 0.9	< 1.5	< 30	< 30	2.3	< 0.9	< 0.6	*	*
TOLUENE	1.5	< 0.7	< 0.9	< 25	< 25	2.1	< 0.7	< 0.5	343	68.6
1,1,1-TRICHLOROETHANE	8.3	< 0.8	< 0.7	< 25	< 25	< 0.8	< 0.8	< 0.5	200	40
TRICHLOROETHENE	1600	1600	< 0.8	1200	1300	< 0.8	< 0.8	< 0.5	5	0.18
1,2,4-TRIMETHYLBENZENE	< 1.0	< 1.0	1700	< 45	< 45	4.4	< 1.0	< 0.9	*	*
1,3,5-TRIMETHYLBENZENE	< 0.8	< 0.8	< 1.0	< 25	< 25	2.1	< 0.8	< 0.5	*	*
VINYL CHLORIDE	2100	440	< 0.8	970	1200	< 0.7	< 0.7	< 0.5	0.2	0.0015
O-XYLENE	< 1.0	< 1.0	440	< 25	< 25	1.5	< 1.0	< 0.5	*	*
M&P-XYLENE	< 1.0	< 1.0	< 1.0	< 25	< 25	9.9	< 1.0	< 0.5	*	*

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

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

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
 N/A Not Analyzed

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-20	MW-20	MW-20	MW-44	NR 140	
DATE	06/16/93	12/22/92	03/24/93 03/26/93	06/16/93	06/09/93	ENFORCEMENT STANDARD	PAL**
LABORATORY REPORT NUMBER	B5972	B1332/ B1336	B2102/ B2084	B5972	B2876		
INORGANICS							
CYANIDE	< 10	< 10	10.0	20	N/A	200	40
VOLATILE ORGANIC COMPOUNDS							
N-BUTYLBENZENE	< 0.5	< 11	< 1.1	64	< 0.5	*	*
CHLOROETHANE	1.3	53	21	23	< 0.5	400	80
1,1-DICHLOROETHANE	3.7	98	42	48	< 0.8	850	85
1,2-DICHLOROETHANE	< 0.5	< 9	< 0.9	< 13	< 0.5	5	0.05
1,1-DICHLOROETHENE	< 0.5	< 13	< 1.3	< 13	< 0.5	7	0.024
CIS-1,2-DICHLOROETHENE	2.9	410	430	620	1.4	100	10
TRANS-1,2-DICHLOROETHENE	< 0.7	24	< 1.2	< 18	< 0.7	100	20
1,1-DICHLOROPROPENE	< 0.5	< 5	< 0.5	< 13	< 0.5	*	*
ETHYLBENZENE	< 0.5	< 5	< 0.5	< 13	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.5	< 6	< 0.6	14	< 0.5	*	*
P-ISOPROPYLTOLUENE	< 0.5	< 7	< 0.7	15	< 0.5	*	*
METHYLENE CHLORIDE	< 2.0	< 21	< 2.1	< 50	< 2.0	150	15
NAPHTHALENE	< 0.7	< 15	< 1.5	< 18	< 0.7	40	8
N-PROPYLBENZENE	< 0.6	< 9	< 0.9	< 15	< 0.6	*	*
TOLUENE	< 0.5	< 7	< 0.7	< 13	1.3	343	66.6
1,1,1-TRICHLOROETHANE	< 0.5	< 8	2.1	< 13	< 0.5	200	40
TRICHLOROETHENE	31	53	58	34	< 0.5	5	0.18
1,2,4-TRIMETHYLBENZENE	< 0.9	< 10	< 1.0	< 23	< 0.9	*	*
1,3,5-TRIMETHYLBENZENE	< 0.5	< 8	< 0.8	< 13	< 0.5	*	*
VINYL CHLORIDE	0.6	56	11	< 13	< 0.5	0.2	0.0015
O-XYLENE	< 0.5	< 10	< 1.0	< 13	< 0.5	*	*
M&P-XYLENE	< 0.5	< 10	< 1.0	< 13	< 0.5	*	*

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
 N/A Not Analyzed

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

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

PARAMETER	MW-21	MW-21	MW-21	MW-21A	MW-21A	MW-21A	NR 140		
	DATE	12/23/92	03/26/93	06/17/93	12/23/92	03/26/93	06/17/93	ENFORCEMENT STANDARD	PAL**
LABORATORY REPORT NUMBER	B1332	B2084	B3092	B1332	B2084	B3092			
VOLATILE ORGANIC COMPOUNDS									
BENZENE	3.4	1.4	4.6	< 0.6	< 3	< 1.0	5	.067	
N-BUTYLBENZENE	6.8	< 1.1	<0.5	6.8	< 6	< 1.0	•	•	
TERT-BUTYLBENZENE	< 1.5	1.6	1.2	< 1.5	< 7	< 1.0	•	•	
CHLOROETHANE	< 1.0	< 1.0	<0.5	44	28	17	400	80	
CIS-1,2-DICHLOROETHENE	< 1.5	1.7	1.1	280	120	75	100	10	
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	<0.7	7.4	< 6	1.7	100	20	
ETHYLBENZENE	1.7	1.0	<0.5	< 0.5	< 3	< 1.0	1360	272	
ISOPROPYLBENZENE	< 0.6	5.6	10	< 0.6	< 3	< 1.0	•	•	
METHYLENE CHLORIDE	< 2.1	< 2.1	<2.0	< 2.1	11	< 4.0	150	15	
N-PROPYLBENZENE	12	< 0.9	1.5	< 0.9	< 5	< 1.2	•	•	
STYRENE	< 1.0	1.5	0.6	< 1.0	< 5	< 1.2	•	•	
TOLUENE	< 0.7	0.8	2.2	1.7	< 4	< 1.0	343	68.6	
1,2,4-TRIMETHYLBENZENE	35	< 1.0	<0.9	< 1.0	< 5	< 1.8	•	•	
1,3,5-TRIMETHYLBENZENE	8.9	1.0	<0.5	< 0.8	4.1	< 1.0	•	•	
VINYL CHLORIDE	< 0.7	< 0.7	1.5	88	22	11	0.2	0.0015	
O-XYLENE	2.0	< 1.0	0.9	< 1.0	< 5	< 1.0	620	124	
M&P-XYLENE	1.4	< 1.0	1.8	< 1.0	< 5	< 1.0	620	124	

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

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

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

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

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

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

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

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

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



ATTACHMENT A
WATER LEVEL DATA

**WATER LEVEL DATA
CHRYSLER KENOSHA MAIN PLANT
KENOSHA, WISCONSIN
JUNE 1993**

WELL	RISER ELEVATION	DEPTH TO WATER (feet)	DATE	WATER ELEVATION (feet)
MW- 1	624.72	0.00	- -	0.00
MW- 2	624.51	6.38	17-Jun-93	618.13
MW- 3	623.21	0.00	- -	0.00
MW- 4	620.95	8.43	17-Jun-93	612.52
MW- 5	620.82	13.40	17-Jun-93	607.42
MW- 5A	621.35	12.49	17-Jun-93	608.86
MW- 6	619.99	4.23	17-Jun-93	615.76
MW- 6A	624.09	7.33	17-Jun-93	616.76
MW- 6C	624.01	6.95	17-Jun-93	617.06
MW- 7	620.58	4.16	17-Jun-93	616.42
MW- 8	621.63	3.29	17-Jun-93	618.34
MW- 8A	621.91	10.31	17-Jun-93	611.60
MW-10	628.82	12.88	15-Jun-93	615.94
MW-11	623.88	5.33	16-Jun-93	618.55
MW-11A	626.99	5.26	15-Jun-93	621.73
MW-11B	625.90	4.76	15-Jun-93	621.14
MW-11C	626.71	0.00	- -	0.00
MW-11D	626.87	0.00	- -	0.00
MW-12	625.86	11.47	15-Jun-93	614.39
MW-13A	627.25	8.95	16-Jun-93	618.30
MW-14	622.34	4.73	17-Jun-93	617.61
MW-15	624.31	8.43	16-Jun-93	615.88
MW-16	622.44	4.58	17-Jun-93	617.86
MW-16A	626.17	7.90	17-Jun-93	618.27
MW-17	622.79	4.72	16-Jun-93	618.07

MW-17A	626.79	0.00	- -	0.00
MW-17B	627.10	0.00	- -	0.00
MW-18	624.09	7.35	16-Jun-93	616.74
MW-18A	628.58	12.21	16-Jun-93	616.37
MW-18B	627.93	9.96	16-Jun-93	617.97
MW-18C	627.94	11.40	16-Jun-93	616.54
MW-18D	626.79	8.38	16-Jun-93	618.41
MW-19	622.40	4.91	16-Jun-93	617.49
MW-20	624.85	8.62	16-Jun-93	616.23
MW-21	625.81	9.50	17-Jun-93	616.31
MW-21A	626.79	9.24	17-Jun-93	617.55
MW-22	627.01	4.42	16-Jun-93	622.59
MW-23	624.55	7.88	16-Jun-93	616.67
MW-24	619.87	1.53	17-Jun-93	618.34
MW-24A	630.06	0.00	- -	0.00
MW-25	628.77	11.63	16-Jun-93	617.14
MW-26	626.24	9.16	15-Jun-93	617.08
MW-27	625.61	10.68	15-Jun-93	614.93
MW-27A	625.14	9.71	15-Jun-93	615.43
MW-27B	625.79	10.62	15-Jun-93	615.17
MW-27C	627.87	9.85	15-Jun-93	618.02
MW-27D	627.91	13.47	15-Jun-93	614.44
MW-27E	629.43	15.60	15-Jun-93	613.83
MW-28	623.69	7.76	15-Jun-93	615.93
MW-29	626.43	8.25	15-Jun-93	618.18
MW-29A	627.28	9.92	15-Jun-93	617.36
MW-30	625.82	9.31	15-Jun-93	616.51
MW-31	627.38	11.56	15-Jun-93	615.82
MW-34R	625.22	9.33	15-Jun-93	615.89
MW-35B	628.37	12.90	15-Jun-93	615.47
MW-36A	628.15	13.39	15-Jun-93	614.76

MW-37	628.72	10.03	15-Jun-93	618.69
MW-38	628.51	10.83	15-Jun-93	617.68
MW-40	628.67	10.02	15-Jun-93	618.65
MW-41	628.86	10.74	15-Jun-93	618.12
MW-43	626.00	8.21	16-Jun-93	617.79
MW-44	624.29	8.95	16-Jun-93	615.34
OBSERVATION SUMP	626.10	9.55	16-Jun-93	616.55
OW- 1	620.83	0.00	- -	0.00
OW- 2	623.26	0.00	- -	0.00
OW- 3	628.75	12.57	15-Jun-93	616.18
OW- 4	628.64	12.43	15-Jun-93	616.21
OW- 5	628.23	11.97	15-Jun-93	616.26
OW- 6	625.47	0.00	- -	0.00
OW- 7	625.87	16.18	15-Jun-93	609.69
SUMP- 1	621.98	2.95	16-Jun-93	619.03
SUMP- 2	625.00	10.24	16-Jun-93	614.76
SUMP- 3	626.97	23.30	17-Jun-93	603.67
SUMP- 4	629.35	14.60	15-Jun-93	614.75
SUMP- 5	628.29	12.10	15-Jun-93	616.19
SUMP- 5A	628.64	12.43	15-Jun-93	616.21
SUMP- 5B	629.34	14.00	15-Jun-93	615.34
SUMP- 5C	628.67	15.10	15-Jun-93	613.57
SUMP- 6	625.01	15.31	15-Jun-93	609.70
TANK SUMP	0.00	0.00	- -	0.00

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-1	MW-2	MW-3	MW-4
Water Type		Gndwtr		Gndwtr
Date	Well	6/17/93	Unable	6/17/93
Sampled by	has been	RJK	to open	RJK
Reference Elevation (Top of riser etc.)	abandoned	TOR		TOR
Measured Depth to Water (ft.)		6.38		8.43
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.				

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-5	MW-5A	MW-6	MW-6A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/17/93	6/17/93	6/17/93	6/17/93
Sampled by	JMR	RJK	RJK	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	13.40	12.49	4.23	7.33
Measured Well Depth (ft.)	17.65			
Purging/Sampling Device(s)	PVC Bailer			
Well Casing Volumes/Gallons Purged	3.4			
Well Purged Dry? (Y/N)	N			
Time Purging Completed (Military)	1140			
Time Sample Withdrawn (Military)	1145			
Field Temperature (degrees C)	14			
Field Conductivity: Measured (u mhos/cm)	700			
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.31			
Alkalinity (mg/l)				
Color	Lt. Brown			
Odor				
Turbidity	Very			
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	BETX			
# Of Containers & Volume	2-40 ml vials			
Container Type (amber glass, clear glass, plastic etc.)	clear glass			
Filtered/Unfiltered	unfiltered			
Preserved/Unpreserved/Type	HCl			
Refrigerated/on Ice	on ice			

Shipping Information

Laboratory	SEI			
Date Submitted	6/18/93			
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.			

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-6B	MW-6C	MW-7	MW-8
Water Type		Gndwtr	Gndwtr	Gndwtr
Date	Well	6/17/93	6/17/93	6/17/93
Sampled by	has been	RJK	RJK	RJK
Reference Elevation (Top of riser etc.)	abandoned	TOR	TOR	TOR
Measured Depth to Water (ft.)		6.95	4.16	3.29
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.				

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-8A	MW-10	MW-11	MW-11A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/17/93	6/15/93	6/16/93	6/15/93
Sampled by	RJK	JMR	RJK	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	10.31	12.88	5.33	5.26
Measured Well Depth (ft.)			13.97	14.77
Purging/Sampling Device(s)			PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged			7.0	7.7
Well Purged Dry? (Y/N)			N	N
Time Purging Completed (Military)			1420	1405
Time Sample Withdrawn (Military)			1420	1405
Field Temperature (degrees C)			13	13
Field Conductivity: Measured (u mhos/cm)			850	1225
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)			7.56	6.32
Alkalinity (mg/l)				
Color			Lt. Brown	Lt. Brown
Odor			Sl. Diesel	Sl. Diesel
Turbidity			Slight	Very
Other				Diesel Odor

Sampling Container and Preservation Information

Sample Parameter(s)			VOC (8021)	VOC (8021)
# Of Containers & Volume			2-40 ml vials	2-40 ml vials
Container Type (amber glass, clear glass, plastic etc.)			clear glass	clear glass
Filtered/Unfiltered			unfiltered	unfiltered
Preserved/Unpreserved/Type			HCl	HCl
Refrigerated/on Ice			on ice	on ice

Shipping Information

Laboratory			SEI	SEI
Date Submitted			6/17/93	6/16/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.			H.D.	H.D.

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-11B	MW-11C	MW-12	MW-13
Water Type	Gndwtr		Gndwtr	
Date	6/15/93	Unable	6/15/93	Well
Sampled by	JMR	To Locate	RJK	has been
Reference Elevation (Top of riser etc.)	TOR	Well Top	TOR	abandoned
Measured Depth to Water (ft.)	4.76		11.47	
Measured Well Depth (ft.)	15.85		20.08	
Purging/Sampling Device(s)	PVC Bailer		PVC Bailer	
Well Casing Volumes/Gallons Purged	9.0		7.2	
Well Purged Dry? (Y/N)	N		N	
Time Purging Completed (Military)	1330		1020	
Time Sample Withdrawn (Military)	1330		1020	
Field Temperature (degrees C)	11		14	
Field Conductivity: Measured (u mhos/cm)	1000		1500	
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	6.7		6.50	
Alkalinity (mg/l)				
Color	Lt. Brown			
Odor				
Turbidity	Slight		Very	
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	VOC (8021)		VOC (8021)	
# Of Containers & Volume	2-40 ml vials		2-40 ml vials	
Container Type (amber glass, clear glass, plastic etc.)	clear glass		clear glass	
Filtered/Unfiltered	unfiltered		unfiltered	
Preserved/Unpreserved/Type	HCl		HCl	
Refrigerated/on Ice	on ice		on ice	

Shipping Information

Laboratory	SEI		SEI	
Date Submitted	6/16/93		6/16/93	
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.		H.D.	

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-13A	MW-14	MW-15	MW-16
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/16/93	6/17/93	6/16/93	6/17/93
Sampled by	RJK	RJK	RJK	JMR
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	8.95	4.73	8.43	4.58
Measured Well Depth (ft.)		13.65		13.70
Purging/Sampling Device(s)		PVC Bailer		PVC Bailer
Well Casing Volumes/Gallons Purged		7.2		7.5
Well Purged Dry? (Y/N)		N		N
Time Purging Completed (Military)		1025		1030
Time Sample Withdrawn (Military)		1025		1030
Field Temperature (degrees C)		14		14
Field Conductivity: Measured (u mhos/cm)		860		680
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)		6.4		7.5
Alkalinity (mg/l)				
Color		Lt. Brown		Lt. Brown
Odor				
Turbidity		Moderate		Moderate
Other				

Sampling Container and Preservation Information

Sample Parameter(s)		VOC/CN		VOC/CN
# Of Containers & Volume		2-40ml/1 l		2-40ml/1 l
Container Type (amber glass, clear glass, plastic etc.)		glass/plastic		glass/plastic
Filtered/Unfiltered		Unfilt/Filt		Unfilt/Filt
Preserved/Unpreserved/Type		HCl/none		HCl/none
Refrigerated/on Ice		On Ice		On Ice

Shipping Information

Laboratory		SEI		SEI
Date Submitted		6/18/93		6/18/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.		H.D.		H.D.

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-16A	MW-17	MW-17A	MW-17B
Water Type	Gndwtr	Gndwtr		
Date	6/17/93	6/16/93	Did Not	Did Not
Sampled by	RJK	JMR	Sample	Sample
Reference Elevation (Top of riser etc.)	TOR	TOR		
Measured Depth to Water (ft.)	7.90	4.72		
Measured Well Depth (ft.)	17.15	13.00		
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer		
Well Casing Volumes/Gallons Purged	7.4	7.0		
Well Purged Dry? (Y/N)	N	N		
Time Purging Completed (Military)	1100	0830		
Time Sample Withdrawn (Military)	1100	0830		
Field Temperature (degrees C)	13	10		
Field Conductivity: Measured (u mhos/cm)	630	1900		
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.7	8.9		
Alkalinity (mg/l)				
Color	Lt. Brown	Brown		
Odor				
Turbidity	Moderate	Slight		
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	VOC/CN	VOC/CN		
# Of Containers & Volume	2-40ml/1 l	2-40ml/1 l		
Container Type (amber glass, clear glass, plastic etc.)	glass/plastic	glass/plastic		
Filtered/Unfiltered	Unfilt/Filt	Unfilt/Filt		
Preserved/Unpreserved/Type	HCl/none	HCl/none		
Refrigerated/on Ice	On Ice	On Ice		

Shipping Information

Laboratory	SEI	SEI		
Date Submitted	6/18/93	6/17/93		
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.	H.D.		

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:

Jeannie Ramponi

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-18	MW-18A	MW-18B	MW-18C
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/16/93	6/16/93	6/16/93	6/16/93
Sampled by	RJK	JMR	JMR	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	7.35	12.21	9.96	11.40
Measured Well Depth (ft.)	13.85	20.15	16.96	16.42
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	5.4	6.4	5.6	4.2
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1130	1055	1025	1400
Time Sample Withdrawn (Military)	1130	1055	1025	1400
Field Temperature (degrees C)	14	13	11	11
Field Conductivity: Measured (u mhos/cm)	930	590	560	860
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.49	6.70	6.38	7.40
Alkalinity (mg/l)				
Color	Brown	Lt. Brown	Lt. Brown	Lt. Brown
Odor	Diesel			Diesel
Turbidity	Moderate	Moderate	Moderate	Moderate
Other	Sheen Noted			Product

Sampling Container and Preservation Information

Sample Parameter(s)	VOC/CN	VOC (8021)	VOC (8021)	VOC/CN
# Of Containers & Volume	2-40ml/1 l	2-40 ml vials	2-40 ml vials	2-40ml/1 l
Container Type (amber glass, clear glass, plastic etc.)	glass/plastic	glass	glass	glass/plastic
Filtered/Unfiltered	Unfilt/Filt	Unfilt	Unfilt	Unfilt/Filt
Preserved/Unpreserved/Type	HCl/none	HCL	HCL	HCl/none
Refrigerated/on Ice	On Ice	On Ice	On Ice	On Ice

Shipping Information

Laboratory	SEI	SEI	SEI	SEI
Date Submitted	6/17/93	6/17/93	6/17/93	6/17/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.	H.D.	H.D.	H.D.

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-18D	MW-19	MW-20	MW-21
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/16/93	6/16/93	6/16/93	6/17/93
Sampled by	RJK	JMR	JMR	JMR
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	8.38	4.91	8.62	9.50
Measured Well Depth (ft.)	16.00	13.80	13.84	16.32
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	6.4	7.0	4.0	5.5
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1100	0925	1155	0918
Time Sample Withdrawn (Military)	1100	0925	1155	0918
Field Temperature (degrees C)	17	10	14	14
Field Conductivity: Measured (u mhos/cm)	560	2300	1000	930
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.72	7.56	8.30	7.26
Alkalinity (mg/l)				
Color	Lt. Brown	Lt. Brown	Lt. Brown	Brown
Odor	Diesel	Organic		
Turbidity	Moderate	Moderate	Moderate	Slight
Other	Product	Product	Product	

Sampling Container and Preservation Information

Sample Parameter(s)	VOC/CN	VOC/CN	VOC/CN	VOC (8021)
# Of Containers & Volume	2-40ml/1 l	2-40ml/1 l	2-40ml/1 l	2-40 ml vials
Container Type (amber glass, clear glass, plastic etc.)	glass/plastic	glass/plastic	glass/plastic	clear glass
Filtered/Unfiltered	Unfilt/Filt	Unfilt/Filt	Unfilt/Filt	unfiltered
Preserved/Unpreserved/Type	HCl/none	HCl/none	HCl/none	HCl
Refrigerated/on Ice	On Ice	On Ice	On Ice	on ice

Shipping Information

Laboratory	SEI	SEI	SEI	SEI
Date Submitted	6/17/93	6/17/93	6/17/93	6/18/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.	H.D.	H.D.	H.D.

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-21A	MW-22	MW-23	MW-24
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/17/93	6/16/93	6/16/93	6/17/93
Sampled by	JMR	RJK	JMR	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	9.24	4.42	7.88	1.53
Measured Well Depth (ft.)	18.50			
Purging/Sampling Device(s)	PVC Bailer			
Well Casing Volumes/Gallons Purged	7.7			
Well Purged Dry? (Y/N)	Y			
Time Purging Completed (Military)	0836			
Time Sample Withdrawn (Military)	0836			
Field Temperature (degrees C)	13			
Field Conductivity: Measured (u mhos/cm)	620			
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.67			
Alkalinity (mg/l)				
Color	Brown			
Odor				
Turbidity	Moderate			
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	VOC (8021)			
# Of Containers & Volume	2-40 ml vials			
Container Type (amber glass, clear glass, plastic etc.)	clear glass			
Filtered/Unfiltered	unfiltered			
Preserved/Unpreserved/Type	HCl			
Refrigerated/on Ice	on ice			

Shipping Information

Laboratory	SEI			
Date Submitted	6/18/93			
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.			

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-24A	MW-25	MW-26	MW-27
Water Type		Gndwtr	Gndwtr	Gndwtr
Date	Unable	6/16/93	6/15/93	6/15/93
Sampled by	to open	RJK	JMR	JMR
Reference Elevation (Top of riser etc.)		TOR	TOR	TOR
Measured Depth to Water (ft.)		11.63	9.16	10.68
Measured Well Depth (ft.)		19.90	16.98	16.62
Purging/Sampling Device(s)		PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged		7.0	6.5	5.0
Well Purged Dry? (Y/N)		N	N	N
Time Purging Completed (Military)		0845	1410	1515
Time Sample Withdrawn (Military)		0845	1410	1515
Field Temperature (degrees C)		13	12	14
Field Conductivity: Measured (u mhos/cm)		880	1000	400
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)		8.00	6.22	6.40
Alkalinity (mg/l)				
Color		Lt. Brown	Lt. Brown	Lt. Brown
Odor				
Turbidity		Very	Slight	Slight
Other				

Sampling Container and Preservation Information

Sample Parameter(s)		VOC (8021)	VOC (8021)	VOC (8021)
# Of Containers & Volume		2-40 ml vials	2-40 ml vials	2-40 ml vials
Container Type (amber glass, clear glass, plastic etc.)		clear glass	clear glass	clear glass
Filtered/Unfiltered		unfiltered	unfiltered	unfiltered
Preserved/Unpreserved/Type		HCl	HCl	HCl
Refrigerated/on Ice		on ice	on ice	on ice

Shipping Information

Laboratory		SEI	SEI	SEI
Date Submitted		6/17/93	6/16/93	6/16/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.		H.D.	H.D.	H.D.

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-27A	MW-27B	MW-27C	MW-27D
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/15/93	6/15/93	6/15/93	6/15/93
Sampled by	RJK	JMR	RJK	JMR
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	9.71	10.62	9.85	13.47
Measured Well Depth (ft.)	18.02	17.42	20.27	22.79
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	6.7	5.5	8.4	7.5
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1600	1446	1540	1548
Time Sample Withdrawn (Military)	1600	1446	1540	1548
Field Temperature (degrees C)	13	13	13	14
Field Conductivity: Measured (u mhos/cm)	650	1100	960	1500
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	5.67	6.44	5.70	5.48
Alkalinity (mg/l)				
Color	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown
Odor				
Turbidity	Slight	Slight	Slight	Slight
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	VOC (8021)	VOC (8021)	VOC (8021)	VOC (8021)
# Of Containers & Volume	2-40 ml vials	2-40 ml vials	2-40 ml vials	2-40 ml vials
Container Type (amber glass, clear glass, plastic etc.)	clear glass	clear glass	clear glass	clear glass
Filtered/Unfiltered	unfiltered	unfiltered	unfiltered	unfiltered
Preserved/Unpreserved/Type	HCl	HCl	HCl	HCl
Refrigerated/on Ice	on ice	on ice	on ice	on ice

Shipping Information

Laboratory	SEI	SEI	SEI	SEI
Date Submitted	6/16/93	6/16/93	6/16/93	6/16/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.	H.D.	H.D.	H.D.

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-27E	MW-28	MW-29	MW-29A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/15/93	6/15/93	6/15/93	6/15/93
Sampled by	JMR	RJK	RJK	JMR
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	15.60	7.76	8.25	9.92
Measured Well Depth (ft.)	23.12	17.85	20.66	22.60
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	6.1	8.2	10.0	10.0
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1616	1355	1200	1120
Time Sample Withdrawn (Military)	1616	1355	1200	1120
Field Temperature (degrees C)	14	13	15	10
Field Conductivity: Measured (u mhos/cm)	400	1300	1200	1000
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	5.94	6.13	7.82	8.13
Alkalinity (mg/l)				
Color	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown
Odor				
Turbidity	Slight	Very	Very	Slight
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	VOC (8021)	VOC (8021)	VOC (8021)	VOC (8021)
# Of Containers & Volume	2-40 ml vials	2-40 ml vials	2-40 ml vials	2-40 ml vials
Container Type (amber glass, clear glass, plastic etc.)	clear glass	clear glass	clear glass	clear glass
Filtered/Unfiltered	unfiltered	unfiltered	unfiltered	unfiltered
Preserved/Unpreserved/Type	HCl	HCl	HCl	HCl
Refrigerated/on Ice	on ice	on ice	on ice	on ice

Shipping Information

Laboratory	SEI	SEI	SEI	SEI
Date Submitted	6/16/93	6/16/93	6/16/93	6/16/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.	H.D.	H.D.	H.D.

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-30	MW-31	MW-34R	MW-35B
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/15/93	6/15/93	6/15/93	6/15/93
Sampled by	JMR	RJK	JMR	JMR
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	9.31	11.56	9.33	12.90
Measured Well Depth (ft.)	21.83	21.55	11.22	
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	
Well Casing Volumes/Gallons Purged	10.0	8.0	1.0	
Well Purged Dry? (Y/N)	N	N	Y	
Time Purging Completed (Military)	1045	1045	1246	
Time Sample Withdrawn (Military)	1045	1045	1246	
Field Temperature (degrees C)	11	15	14	
Field Conductivity: Measured (u mhos/cm)	1000	1385	1000	
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.46	7.14	6.30	
Alkalinity (mg/l)				
Color	Lt. Brown		Brown	
Odor				
Turbidity	Slight	Very	Extremely	
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	VOC (8021)	VOC (8021)	VOC (8021)	
# Of Containers & Volume	2-40 ml vials	2-40 ml vials	2-40 ml vials	
Container Type (amber glass, clear glass, plastic etc.)	clear glass	clear glass	clear glass	
Filtered/Unfiltered	unfiltered	unfiltered	unfiltered	
Preserved/Unpreserved/Type	HCl	HCl	HCl	
Refrigerated/on Ice	on ice	on ice	on ice	

Shipping Information

Laboratory	SEI	SEI	SEI	
Date Submitted	6/16/93	6/16/93	6/16/93	
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.	H.D.	H.D.	

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-36A	MW-37	MW-38	MW-40
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/15/93	6/15/93	6/15/93	6/15/93
Sampled by	RJK		RJK	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	13.39	10.03	10.83	10.02
Measured Well Depth (ft.)	17.51	16.54	17.03	15.92
Purging/Sampling Device(s)	PVC Bailer		PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	4.0	Could Not	5.4	5.2
Well Purged Dry? (Y/N)	N	Sample	N	N
Time Purging Completed (Military)	1255	(Riser Bent)	0940	0900
Time Sample Withdrawn (Military)	1255		0940	0900
Field Temperature (degrees C)	16		15	14
Field Conductivity: Measured (u mhos/cm)	1600		990	2100
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	6.16		6.96	6.53
Alkalinity (mg/l)				
Color	Lt. Brown		Brown	
Odor			Sl. Organic	
Turbidity	Very		Very	Very
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	VOC (8021)		VOC (8021)	VOC (8021)
# Of Containers & Volume	2-40 ml vials		2-40 ml vials	2-40 ml vials
Container Type (amber glass, clear glass, plastic etc.)	clear glass		clear glass	clear glass
Filtered/Unfiltered	unfiltered		unfiltered	unfiltered
Preserved/Unpreserved/Type	HCl		HCl	HCl
Refrigerated/on Ice	on ice		on ice	on ice

Shipping Information

Laboratory	SEI		SEI	SEI
Date Submitted	6/16/93		6/16/93	6/16/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.		H.D.	H.D.

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-41	MW-43	MW-44	SUMP 1
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/15/93	6/16/93	6/16/93	6/16/93
Sampled by	RJK	RJK	RJK	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	10.74	8.21	8.95	2.95
Measured Well Depth (ft.)	15.72	16.57		
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer		
Well Casing Volumes/Gallons Purged	5.2	6.7		
Well Purged Dry? (Y/N)	N	N		
Time Purging Completed (Military)	0920	0845		
Time Sample Withdrawn (Military)	0920	0845		
Field Temperature (degrees C)	15	11		
Field Conductivity: Measured (u mhos/cm)	860	880		
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	6.92	8.0		
Alkalinity (mg/l)				
Color		Lt. Brown		
Odor				
Turbidity	Very	Slight		
Other				

Sampling Container and Preservation Information

Sample Parameter(s)	VOC (8021)	VOC/CN		
# Of Containers & Volume	2-40 ml vials	2-40ml/1 l		
Container Type (amber glass, clear glass, plastic etc.)	clear glass	glass/plastic		
Filtered/Unfiltered	unfiltered	Unfilt/Filt		
Preserved/Unpreserved/Type	HCl	HCl/none		
Refrigerated/on Ice	on ice	On Ice		

Shipping Information

Laboratory	SEI	SEI		
Date Submitted	6/16/93	6/17/93		
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.	H.D.		

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	SUMP 4	SUMP 5	SUMP 5A	SUMP 5B
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/15/93	6/15/93	6/15/93	6/15/93
Sampled by	JMR	JMR	JMR	JMR
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	14.60	12.10	12.43	12.88/14.00
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.				

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	SUMP 5C	SUMP 6	OBS. SUMP	OW-1
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	6/15/93	6/15/93	6/16/93	Could Not
Sampled by	JMR	RJK	JMR	Access
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	Well
Measured Depth to Water (ft.)	15.10	15.31	9.55	Due To
Measured Well Depth (ft.)				High Water
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.				

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	OW-2	OW-3	OW-4	OW-5
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	Could Not	6/15/93	6/15/93	6/15/93
Sampled by	Access	JMR	JMR	JMR
Reference Elevation (Top of riser etc.)	Well	TOR	TOR	TOR
Measured Depth to Water (ft.)	Due To	12.57	12.43	11.97
Measured Well Depth (ft.)	High Water			
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.				

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

Randal Kraemer

Sampling and Field Measurement/Observation

Sample Location Identification:	OW-6	OW-7
Water Type	Gndwtr	Gndwtr
Date	6/15/93	6/15/93
Sampled by	RJK	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR
Measured Depth to Water (ft.)	Dry	16.18
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.		

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B3002

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-1</u> <u>MW-29</u>	<u>5939-2</u> <u>MW-29A</u>
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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 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5939-1 <u>MW-29</u>	5939-2 <u>MW-29A</u>
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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Attn: Mr. Rick Binder
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DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-1</u> <u>MW-29</u>	<u>5939-2</u> <u>MW-29A</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.3	1.2
77613	1,2,3-Trichlorobenzene		<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5
34506	1,1,1-Trichloroethane		0.7	<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

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Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-3</u> <u>MW-30</u>	<u>5939-4</u> <u>MW-31</u>
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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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B3002

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-3</u> <u>MW-30</u>	<u>5939-4</u> <u>MW-31</u>
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	3.5
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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ANALYTICAL REPORT

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Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-3</u> <u>MW-30</u>	<u>5939-4</u> <u>MW-31</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.0	1.2
77613	1,2,3-Trichlorobenzene		<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5
34506	1,1,1-Trichloroethane		0.6	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5
39180	Trichloroethene		1.1	3.1
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

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B3002

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5939-5 <u>MW-34R</u>	5939-6 <u>MW-36A</u>
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	31
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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 325 East Chicago Street
 Milwaukee, WI 53202

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
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 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5939-5 <u>MW-34R</u>	5939-6 <u>MW-36A</u>
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	9.4
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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WDNR Certification #268181760

ANALYTICAL REPORT

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-5</u> <u>MW-34R</u>	<u>5939-6</u> <u>MW-36A</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.1	1.2
77613	1,2,3-Trichlorobenzene		<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5
34506	1,1,1-Trichloroethane		0.6	0.6
34511	1,1,2-Trichloroethane		<0.5	<0.5
39180	Trichloroethene		0.9	<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	23
77135	o-Xylenes		<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5

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 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-7</u> <u>MW-38</u>	<u>5939-8</u> <u>MW-83</u>
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		18	18
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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DATE: June 25, 1993
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 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-7</u> <u>MW-38</u>	<u>5939-8</u> <u>MW-83</u>
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		100	83
32103	1,2-Dichloroethane		<0.5	<0.5
34501	1,1-Dichloroethene		1.2	1.3
77093	cis-1,2-Dichloroethene		270	180
34546	trans-1,2-Dichloroethene		9.2	9.5
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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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-7</u> <u>MW-38</u>	<u>5939-8</u> <u>MW-83</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.2	1.2
77613	1,2,3-Trichlorobenzene		<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5
34506	1,1,1-Trichloroethane		0.9	9.9
34511	1,1,2-Trichloroethane		<0.5	<0.5
39180	Trichloroethene		13	17
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		340	240
77135	o-Xylenes		<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5

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Triad Engineering, Inc.
 325 East Chicago Street
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Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-9</u> <u>MW-40</u>	<u>5939-10</u> <u>MW-41</u>
EPA Method 8021				
78124	Benzene		<0.5	1.5
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		1.2	<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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Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5939-9 <u>MW-40</u>	5939-10 <u>MW-41</u>
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		46	<0.5
34496	1,1-Dichloroethane		25	0.9
32103	1,2-Dichloroethane		<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5
77093	cis-1,2-Dichloroethene		1.7	<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	0.7
77356	p-Isopropyltoluene		<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0
34696	Naphthalene		<0.7	<0.7

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WDNR Certification #268181760

ANALYTICAL REPORT

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16/93

Matrix: Groundwater
 Source: Chrysler
 Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-9</u> <u>MW-40</u>	<u>5939-10</u> <u>MW-41</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.2	1.2
77613	1,2,3-Trichlorobenzene		<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5
34506	1,1,1-Trichloroethane		1.5	0.8
34511	1,1,2-Trichloroethane		<0.5	<0.5
39180	Trichloroethene		3.5	<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		0.8	<0.5
77135	o-Xylenes		<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5

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ANALYTICAL REPORT

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16&17/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-11</u> <u>MW-11A</u>	<u>5939-12</u> <u>MW-11B</u>
EPA Method 8021				
78124	Benzene		41	<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		2.4	<0.5
77350	sec-Butylbenzene		1.1	<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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ANALYTICAL REPORT

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16&17/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-11</u> <u>MW-11A</u>	<u>5939-12</u> <u>MW-11B</u>
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		1.1	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7
77223	Isopropylbenzene		6.9	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0
34696	Naphthalene		1.0	<0.7

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B3002

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/16&17/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-11</u> <u>MW-11A</u>	<u>5939-12</u> <u>MW-11B</u>
EPA Method 8021				
77224	n-Propylbenzene		9.2	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		2.9	1.1
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		2.2	<0.9
77226	1,3,5-Trimethylbenzene		1.1	<0.5
39175	Vinyl chloride		<0.5	<0.5
77135	o-Xylenes		<0.5	<0.5
85795	m & p Xylenes		14	<0.5

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID Sample ID</u>	<u>5939-13 MW-12</u>	<u>5939-14 MW-28</u>
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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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-13</u> <u>MW-12</u>	<u>5939-14</u> <u>MW-28</u>
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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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-13</u> <u>MW-12</u>	<u>5939-14</u> <u>MW-28</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.2	1.2
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

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-15</u> <u>MW-26</u>	<u>5939-16</u> <u>MW-27B</u>
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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Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-15</u> <u>MW-26</u>	<u>5939-16</u> <u>MW-27B</u>
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	3.7*
34696	Naphthalene		<0.7	<0.7

* 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)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-15</u> <u>MW-26</u>	<u>5939-16</u> <u>MW-27B</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.1	1.3
77613	1,2,3-Trichlorobenzene		<0.5	<0.5
34551	1,2,4-Trichlorobenzene		<0.5	<0.5
34506	1,1,1-Trichloroethane		1.8	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5
39180	Trichloroethene		<0.5	28
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

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-17</u> <u>MW-72</u>	<u>5939-18</u> <u>MW-27</u>
EPA Method 8021				
78124	Benzene		<0.5	0.6
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	0.6
77350	sec-Butylbenzene		<0.8	0.9
77353	tert-Butylbenzene		<0.5	0.6
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
34437	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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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-17</u> <u>MW-72</u>	<u>5939-18</u> <u>MW-27</u>
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	7.9
32103	1,2-Dichloroethane		<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5
77093	cis-1,2-Dichloroethene		<0.6	34
34546	trans-1,2-Dichloroethene		0.8	30
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	0.7
78113	Ethylbenzene		<0.5	0.9
34391	Hexachlorobutadiene		<0.7	<0.7
77223	Isopropylbenzene		<0.5	2.1
77356	p-Isopropyltoluene		<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0
34696	Naphthalene		<0.7	1.9

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 DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-17</u> <u>MW-72</u>	<u>5939-18</u> <u>MW-27</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	2.7
78131	Toluene		1.2	1.3
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	22
34511	1,1,2-Trichloroethane		<0.5	<0.5
39180	Trichloroethene		40	1.8
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	1.0
85795	m & p Xylenes		<0.5	<0.5

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-19</u> <u>MW-27D</u>	<u>5939-20</u> <u>MW-27E</u>
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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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-19</u> <u>MW-27D</u>	<u>5939-20</u> <u>MW-27E</u>
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	1.1
77093	cis-1,2-Dichloroethene		<0.6	550
34546	trans-1,2-Dichloroethene		<0.7	57
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	1.7

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B3002

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-19</u> <u>MW-27D</u>	<u>5939-20</u> <u>MW-27E</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.3	1.3
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	470
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	5.2
77135	o-Xylenes		<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5

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ANALYTICAL REPORT

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
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 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
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 DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-21</u> <u>MW-27C</u>	<u>5939-22</u> <u>MW-27A</u>
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
34413	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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WDNR Certification #268181760

ANALYTICAL REPORT

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5939
 DATE COLLECTED: 06/15/93
 DATE RECEIVED: 06/16/93
 DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-21 MW-27C	5939-22 MW-27A
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
34495	1,1-Dichloroethane		0.8	<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	1.7
34546	trans-1,2-Dichloroethene		<0.7	0.9
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: June 25, 1993
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 DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-21</u> <u>MW-27C</u>	<u>5939-22</u> <u>MW-27A</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5
34475	Tetrachloroethene		<0.5	<0.5
78131	Toluene		1.3	1.2
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	7.1
77135	o-Xylenes		<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5939-23</u> <u>Trip Blk</u>
EPA Method 8021			
78124	Benzene		<0.5
81555	Bromobenzene		<0.5
77297	Bromochloromethane		<0.5
32101	Bromodichloromethane		<0.5
32104	Bromoform		<0.5
34413	Bromomethane		<0.5
77342	n-Butylbenzene		<0.5
77350	sec-Butylbenzene		<0.8
77353	tert-Butylbenzene		<0.5
32102	Carbon tetrachloride		<0.5
34301	Chlorobenzene		<0.5
34303	Chlorodibromomethane		<0.5
34311	Chloroethane		<0.5
32106	Chloroform		<0.5
34418	Chloromethane		<0.5
77275	2-Chlorotoluene		<0.5
77277	4-Chlorotoluene		<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5
77651	1,2-Dibromoethane		<0.5
77596	Dibromomethane		<0.5

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5939-23 <u>Trip Blk</u>
EPA Method 8021			
34536	1,2-Dichlorobenzene		<0.5
34566	1,3-Dichlorobenzene		<0.5
34571	1,4-Dichlorobenzene		<0.6
34668	Dichlorodifluoromethane		<0.5
34496	1,1-Dichloroethane		<0.6
32103	1,2-Dichloroethane		<0.5
34501	1,1-Dichloroethene		<0.5
77093	cis-1,2-Dichloroethene		<0.6
34546	trans-1,2-Dichloroethene		<0.7
34541	1,2-Dichloropropane		<0.5
77173	1,3-Dichloropropane		<0.5
77170	2,2-Dichloropropane		<0.7
77168	1,1-Dichloropropene		<0.5
78113	Ethylbenzene		<0.5
34391	Hexachlorobutadiene		<0.7
77223	Isopropylbenzene		<0.5
77356	p-Isopropyltoluene		<0.5
34423	Methylene chloride		<2.0
34696	Naphthalene		<0.7

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 DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5939-23 <u>Trip Blk</u>
EPA Method 8021			
77224	n-Propylbenzene		<0.6
77128	Styrene		<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5
34475	Tetrachloroethene		<0.5
78131	Toluene		1.1
77613	1,2,3-Trichlorobenzene		<0.5
34551	1,2,4-Trichlorobenzene		<0.5
34506	1,1,1-Trichloroethane		<0.5
34511	1,1,2-Trichloroethane		<0.5
39180	Trichloroethene		<0.5
34488	Trichlorofluoromethane		<0.5
77443	1,2,3-Trichloropropane		<0.5
77222	1,2,4-Trimethylbenzene		<0.9
77226	1,3,5-Trimethylbenzene		<0.5
39175	Vinyl chloride		<0.5
77135	o-Xylenes		<0.5
85795	m & p Xylenes		<0.5

Gary E. Barry
 Gary E. Barry
 Projects Coordinator

ST37

PROJ. NO. 11013		PROJECT NAME CHRYSLER CORP.					NO. OF CONTAINERS	TEST PARAMETERS							(1/2) SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
SAMPLERS: J. RAMPONI, R. KRAMER								VOC (EPA METHOD 8061)							
SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION									
1	-	6-15-93	1200		✓	MW-29	2	✓							
2	-	6-15-93	1120		✓	MW-29A	2	✓							
3	-	6-15-93	1045		✓	MW-30	2	✓							
4	-	6-15-93	1045		✓	MW-31	2	✓							
5	-	6-15-93	1246		✓	MW-34R	2	✓							
6	-	6-15-93	1255		✓	MW-36A	2	✓			Bottles labelled 36				
7	-	6-15-93	0940		✓	MW-38	2	✓							
8	-	6-15-93	0940		✓	MW-83	2	✓							
9	-	6-15-93	0900		✓	MW-40	2	✓							
10	-	6-15-93	0920		✓	MW-41	2	✓							
11	-	6-15-93	1405		✓	MW-11A	2	✓							
12	-	6-15-93	1330		✓	MW-11B	2	✓							
13	-	6-15-93	1020		✓	MW-12	2	✓							

SAMPLE CONDITION: Preserved with HCL, on Ice Ric. Ice	SAMPLE LOCATION:
--	------------------

RELINQUISHED BY: <i>Rick Binder</i>	DATE / TIME: 6/16/93 8:12	RELINQUISHED BY: C. Dunsch	DATE / TIME: 6/16/93 8:57 am	SPECIAL REQUESTS:
RECEIVED BY: C. Dunsch	DATE / TIME: 6/16/93 8:12 am	RECEIVED BY: <i>L. Dehn</i>	DATE / TIME: 6/16/93 8:57 AM	REPORT TO:

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

NAME: RICK BINDER
ADDRESS: TRIAD ENGINEERING
PHONE: 291-8840



SWANSON ENVIRONMENTAL INC.

PROJ. NO.		PROJECT NAME					NO. OF CONTAINERS	TEST PARAMETERS										SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)				
11013		CHRYSLER CORP.						VOCL (EPA METHOD 8261)														
SAMPLERS: R. KRAMER, J. RAMONI.																						
SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION																
14	-	6-15-93	1315		✓	mw-28	2	✓														GROUNDWATER
15	-	6-15-93	1410		✓	mw-26	2	✓														
16	-	6-15-93	1446		✓	mw-27B	2	✓														
17	-	6-15-93	1446		✓	mw-72	2	✓														
18	-	6-15-93	1515		✓	mw-27	2	✓														
19	-	6-15-93	1548		✓	mw-27D	2	✓														
20	-	6-15-93	1616		✓	mw-27E	2	✓														
21	-	6-15-93	1540		✓	mw-27C	2	✓														
22	-	6-15-93	1600		✓	mw-27A	2	✓														
23		6-15-93																				
24	-	6-15-93				TRIP BLANKS	4	✓														

SAMPLE CONDITION: Preserved w/ HCL, on Ice
R. on Ice

SAMPLE LOCATION:

RELINQUISHED BY: <i>Rick Binder</i>	DATE / TIME 6/16/93 8:12	RELINQUISHED BY: <i>C. Dunsat</i>	DATE / TIME 6/16/93 8:53 am
RECEIVED BY: <i>C. Dunsat</i>	DATE / TIME 6/16/93 8:12 am	RECEIVED BY: <i>L. Dunsat</i>	DATE / TIME 6/16/93 8:53 am

SPECIAL REQUESTS:

REPORT TO:
NAME: RICK BINDER
ADDRESS: TRIAD ENGINEERING
PHONE: 291-8840



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

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: B3092

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

Attn: Mr. Rick Binder
Project #11013

DATE: July 7, 1993
PURCHASE ORDER:
SEI NO: WL5999
DATE COLLECTED: 06/17/93
DATE RECEIVED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

Analyte	SEI ID Sample ID	5999-2 MW-14	5999-4 MW-16	5999-5 MW-61	5999-7 MW-16A
Cyanides, Dissolved		<0.01	0.31	0.26	0.07

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B3092

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

Attn: Mr. Rick Binder
 Project #11013

DATE: July 7, 1993
 PURCHASE ORDER:
 SEI NO: WL5999
 DATE COLLECTED: 06/17/93
 DATE RECEIVED: 06/18/93
 DATE ANALYZED: 06/22/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

Analyte	SEI ID Sample ID	5999-6 MW-5	5999-8 Sump 3
EPA Method 8020			
Benzene		100	<1
Toluene		<5*	<1
Ethylbenzene		<5*	<1
Xylenes		<5*	<1

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

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ANALYTICAL REPORT

REPORT NUMBER: B3092

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

Attn: Mr. Rick Binder
 Project #11013

DATE: July 7, 1993
 PURCHASE ORDER:
 SEI NO: WL5999
 DATE COLLECTED: 06/17/93
 DATE RECEIVED: 06/18/93
 DATE ANALYZED: 06/22/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5999-1</u> <u>MW-21</u>	<u>5999-2</u> <u>MW-14</u>	<u>5999-3*</u> <u>MW-21A</u>
EPA Method 8021					
78124	Benzene		4.6	<0.5	<1.0
81555	Bromobenzene		<0.5	<0.5	<1.0
77297	Bromochloromethane		<0.5	<0.5	<1.0
32101	Bromodichloromethane		<0.5	<0.5	<1.0
32104	Bromoform		<0.5	<0.5	<1.0
34413	Bromomethane		<0.5	<0.5	<1.0
77342	n-Butylbenzene		<0.5	<0.5	<1.0
77350	sec-Butylbenzene		<0.8	<0.8	<1.6
77353	tert-Butylbenzene		1.2	<0.5	<1.0
32102	Carbon tetrachloride		<0.5	<0.5	<1.0
34301	Chlorobenzene		<0.5	<0.5	<1.0
34306	Chlorodibromomethane		<0.5	<0.5	<1.0
34311	Chloroethane		<0.5	<0.5	17
32106	Chloroform		<0.5	<0.5	<1.0
34418	Chloromethane		<0.5	<0.5	<1.0
77275	2-Chlorotoluene		<0.5	<0.5	<1.0
77277	4-Chlorotoluene		<0.5	<0.5	<1.0
38437	1,2-Dibromo-3-chloropropane		<0.5	<0.5	<1.0
77651	1,2-Dibromoethane		<0.5	<0.5	<1.0
77596	Dibromomethane		<0.5	<0.5	<1.0

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 DATE ANALYZED: 06/22/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5999-1 <u>MW-21</u>	5999-2 <u>MW-14</u>	5999-3* <u>MW-21A</u>
EPA Method 8021					
34536	1,2-Dichlorobenzene		<0.5	<0.5	<1.0
34566	1,3-Dichlorobenzene		<0.5	<0.5	<1.0
34571	1,4-Dichlorobenzene		<0.6	<0.6	<1.2
34668	Dichlorodifluoromethane		<0.5	<0.5	<1.0
34496	1,1-Dichloroethane		<0.6	<0.6	<1.2
32103	1,2-Dichloroethane		<0.5	<0.5	<1.0
34501	1,1-Dichloroethene		<0.5	<0.5	<1.0
77093	cis-1,2-Dichloroethene		1.1	<0.6	75
34546	trans-1,2-Dichloroethene		<0.7	<0.7	1.7
34541	1,2-Dichloropropane		<0.5	<0.5	<1.0
77173	1,3-Dichloropropane		<0.5	<0.5	<1.0
77170	2,2-Dichloropropane		<0.7	<0.7	<1.4
77168	1,1-Dichloropropene		<0.5	<0.5	<1.0
78113	Ethylbenzene		<0.5	<0.5	<1.0
34391	Hexachlorobutadiene		<0.7	<0.7	<1.4
77223	Isopropylbenzene		10	<0.5	<1.0
77356	p-Isopropyltoluene		<0.5	<0.5	<1.0
34423	Methylene chloride		<2.0	7.5	<4.0
34696	Naphthalene		<0.7	<0.7	<1.4

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B3092

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

Attn: Mr. Rick Binder
 Project #11013

DATE: July 7, 1993
 PURCHASE ORDER:
 SEI NO: WL5999
 DATE COLLECTED: 06/17/93
 DATE RECEIVED: 06/18/93
 DATE ANALYZED: 06/22/93

Matrix: Groundwater

Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5999-1</u> <u>MW-21</u>	<u>5999-2</u> <u>MW-14</u>	<u>5999-3*</u> <u>MW-21A</u>
EPA Method 8021					
77224	n-Propylbenzene		1.5	<0.6	<1.2
77128	Styrene		0.6	<0.6	<1.2
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.6	<1.0
34516	1,1,2,2-Tetrachloroethane		<0.5	<0.5	<1.0
34475	Tetrachloroethene		<0.5	<0.5	<1.0
78131	Toluene		2.2	<0.5	<1.0
77613	1,2,3-Trichlorobenzene		<0.5	<0.5	<1.0
34551	1,2,4-Trichlorobenzene		<0.5	<0.5	<1.0
34506	1,1,1-Trichloroethane		<0.5	<0.5	<1.0
34511	1,1,2-Trichloroethane		<0.5	<0.5	<1.0
39180	Trichloroethene		<0.5	<0.5	<1.0
34488	Trichlorofluoromethane		<0.5	<0.5	<1.0
77443	1,2,3-Trichloropropane		<0.5	<0.5	<1.0
77222	1,2,4-Trimethylbenzene		<0.9	<0.9	<1.8
77226	1,3,5-Trimethylbenzene		<0.5	<0.5	<1.0
39175	Vinyl chloride		1.5	<0.5	11
77135	o-Xylenes		0.9	<0.5	<1.0
85795	m & p Xylenes		1.8	<0.5	<1.0

* Elevated detection level due to high analyte concentration; a 2x dilution necessary.

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ANALYTICAL REPORT

REPORT NUMBER: B3092

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

Attn: Mr. Rick Binder
 Project #11013

DATE: July 7, 1993
 PURCHASE ORDER:
 SEI NO: WL5999
 DATE COLLECTED: 06/17/93
 DATE RECEIVED: 06/18/93
 DATE ANALYZED: 06/22/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5999-4</u> <u>MW-16</u>	<u>5999-5</u> <u>MW-61</u>	<u>5999-7</u> <u>MW-16A</u>
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		4.2	5.0	<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: July 7, 1993
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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5999-4</u> <u>MW-16</u>	<u>5999-5</u> <u>MW-61</u>	<u>5999-7</u> <u>MW-16A</u>
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		2.5	2.2	<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)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5999-4</u> <u>MW-16</u>	<u>5999-5</u> <u>MW-61</u>	<u>5999-7</u> <u>MW-16A</u>
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		5.0	4.2	<0.5
34511	1,1,2-Trichloroethane		<0.5	<0.5	<0.5
39180	Trichloroethene		1.7	1.5	<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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 DATE ANALYZED: 06/22/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5999-9</u> <u>Trip Blk</u>
EPA Method 8021			
78124	Benzene		<0.5
81555	Bromobenzene		<0.5
77297	Bromochloromethane		<0.5
32101	Bromodichloromethane		<0.5
32104	Bromoform		<0.5
34413	Bromomethane		<0.5
77342	n-Butylbenzene		<0.5
77350	sec-Butylbenzene		<0.8
77353	tert-Butylbenzene		<0.5
32102	Carbon tetrachloride		<0.5
34301	Chlorobenzene		<0.5
34306	Chlorodibromomethane		<0.5
34311	Chloroethane		<0.5
32106	Chloroform		<0.5
34418	Chloromethane		<0.5
77275	2-Chlorotoluene		<0.5
77277	4-Chlorotoluene		<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5
77651	1,2-Dibromoethane		<0.5
77596	Dibromomethane		<0.5

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5999-9 <u>Trip Blk</u>
EPA Method 8021			
34536	1,2-Dichlorobenzene		<0.5
34566	1,3-Dichlorobenzene		<0.5
34571	1,4-Dichlorobenzene		<0.6
34668	Dichlorodifluoromethane		<0.5
34496	1,1-Dichloroethane		<0.6
32103	1,2-Dichloroethane		<0.5
34501	1,1-Dichloroethene		<0.5
77093	cis-1,2-Dichloroethene		<0.6
34546	trans-1,2-Dichloroethene		<0.7
34541	1,2-Dichloropropane		<0.5
77173	1,3-Dichloropropane		<0.5
77170	2,2-Dichloropropane		<0.7
77168	1,1-Dichloropropene		<0.5
78113	Ethylbenzene		<0.5
34391	Hexachlorobutadiene		<0.7
77223	Isopropylbenzene		<0.5
77356	p-Isopropyltoluene		<0.5
34423	Methylene chloride		<2.0
34696	Naphthalene		<0.7

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5999-9</u> <u>Trip Blk</u>
EPA Method 8021			
77224	n-Propylbenzene		<0.6
77128	Styrene		<0.6
77562	1,1,1,2-Tetrachloroethane		<0.6
34516	1,1,2,2-Tetrachloroethane		<0.5
34475	Tetrachloroethene		<0.5
78131	Toluene		<0.5
77613	1,2,3-Trichlorobenzene		<0.5
34551	1,2,4-Trichlorobenzene		<0.5
34506	1,1,1-Trichloroethane		<0.5
34511	1,1,2-Trichloroethane		<0.5
39180	Trichloroethene		<0.5
34488	Trichlorofluoromethane		<0.5
77443	1,2,3-Trichloropropane		<0.5
77222	1,2,4-Trimethylbenzene		<0.9
77226	1,3,5-Trimethylbenzene		<0.5
39175	Vinyl chloride		<0.5
77135	o-Xylenes		<0.5
85795	m & p Xylenes		<0.5

Gary E. Barry

Gary E. Barry
 Projects Coordinator

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES
LABORATORY OF GUSTADT RECORD

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS	TEST PARAMETERS							SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)	
11013		CHRYSLER CORP					VOC EPA Method 8021 CYANIDE EPA Method 8020 BTEX EPA Method 8020 GRO W/ DNR								
SAMPLERS: R. KRAMER, J. RAMPONI															
SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION									
1		6-17-93	0918		✓	MW-21	2	✓							GROUND WATER ↓
2		6-17-93	1025		✓	MW-14	3	✓	✓						
3		6-17-93	0836		✓	MW-21A	2	✓							
4		6-17-93	1030		✓	MW-16	3	✓	✓						
5		6-17-93	1030		✓	MW-61	3	✓	✓						
6		6-17-93	1145		✓	MW-5	2			✓					
7		6-17-93	1100		✓	MW-16A	3	✓	✓						
8		6-17-93	1150		✓	Sump 3	2			✓	✓				
9		6/14 6/17/93				TRIP BLANK	2	✓							

SAMPLE CONDITION:
 VOCS samples preserved w/ HCL
 cyanide sampler, field filtered. *for free*
 BTEX sample preserved w/ HCL

SAMPLE LOCATION:

RELINQUISHED BY: Jeane M. Rayzi	DATE / TIME: 6/17/93 4:10 pm	RELINQUISHED BY: C. Deunst	DATE / TIME: 6/18/84
RECEIVED BY: C. Deunst	DATE / TIME: 6/18/93 7:37 am	RECEIVED BY: Mary E Barry	DATE / TIME: 6-18 10811

SPECIAL REQUESTS:

REPORT TO:

NAME: RICK BINDER
 Triad Engineering, Inc.
ADDRESS: 325 E. Chicago Street
 Milwaukee, WI 53202
PHONE: 291 281-8840



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

SWANSON ENVIRONMENTAL INC.

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



ANALYTICAL REPORT

WDNR Certification #268181760

REPORT NUMBER: B5972
 AMENDED 06/29/93

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

Attn: Mr. Rick Binder
 Project #11013

RECEIVED JUN 30 1993

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5972
 DATE COLLECTED: 06/16/93
 DATE RECEIVED: 06/17/93

Matrix: Groundwater
 Source: Chrysler

Units: mg/l (ppm)

Analyte	SEI ID Sample ID	5972-1 MW-17	5972-2 MW-19	5972-5 MW-20	5972-6 MW-18D
Cyanides, Dissolved		<0.01	<0.01	0.02	<0.01

Analyte	SEI ID Sample ID	5972-7 MW-18	5972-8 MW-81	5972-9 MW-43	5972-12 MW-18C
Cyanides, Dissolved		<0.01	<0.01	<0.01	<0.01

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B5972

Triad Engineering,
 325 East Chicago Street
 Milwaukee, WI 53202

Attn: Mr. Rick Binder
 Project #11013

RECEIVED JUN 28 1993

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5972
 DATE COLLECTED: 06/16/93
 DATE RECEIVED: 06/17/93

Matrix: Groundwater

Source: Chrysler

Units: mg/l (ppm)

Analyte	SEI ID Sample ID	5972-1 MW-17	5972-4 MW-18A	5972-5 MW-20	5972-6 MW-18D
Cyanides, Dissolved		<0.01	<0.01	0.02	<0.01

Analyte	SEI ID Sample ID	5972-7 MW-18	5972-8 MW-81	5972-9 MW-43	5972-12 MW-18C
Cyanides, Dissolved		<0.01	<0.01	<0.01	<0.01

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B5972

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

Attn: Mr. Rick Binder
Project #11013

DATE: June 25, 1993
PURCHASE ORDER:
SEI NO: WL5972
DATE COLLECTED: 06/16/93
DATE RECEIVED: 06/17/93
DATE ANALYZED: 06/22/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-11</u> <u>Sump 2</u>
EPA Method 8020		
Benzene		<5
Toluene		<5
Ethylbenzene		18
Xylenes		25

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

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B5972

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

Attn: Mr. Rick Binder
Project #11013

DATE: June 25, 1993
PURCHASE ORDER:
SEI NO: WL5972
DATE COLLECTED: 06/16/93
DATE RECEIVED: 06/17/93

Matrix: Groundwater
Source: Chrysler

DATE EXTRACTED
DRO - 06/17/93

Units: mg/l (ppm)

DATE ANALYZED
GRO - 06/22/93
DRO - 06/23/93

SEI ID 5972-11
Sample ID Sump 2

<u>DNR #</u>	<u>Analyte</u>	<u>PQL</u>	
	WDNR Modified Method GRO		
78920	GRO	0.1	2.2

	WDNR Modified Method DRO		
78919	DRO	0.05	5.7

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ANALYTICAL REPORT

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Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
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 SEI NO: WL5972
 DATE COLLECTED: 06/16/93
 DATE RECEIVED: 06/17/93
 DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-1</u> <u>MW-17</u>	<u>5972-2</u> <u>MW-19</u>
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	1.3
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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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B5972

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5972
 DATE COLLECTED: 06/16/93
 DATE RECEIVED: 06/17/93
 DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-1</u> <u>MW-17</u>	<u>5972-2</u> <u>MW-19</u>
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	3.7
32103	1,2-Dichloroethane		<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5
77093	cis-1,2-Dichloroethene		<0.6	2.9
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: 06/18&21/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-1</u> <u>MW-17</u>	<u>5972-2</u> <u>MW-19</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
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	31
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	0.6
77135	o-Xylenes		<0.5	<0.5
85795	m & p Xylenes		<0.5	<0.5

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WDNR Certification #268181760

ANALYTICAL REPORT

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 325 East Chicago Street
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Attn: Mr. Rick Binder
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DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5972
 DATE COLLECTED: 06/16/93
 DATE RECEIVED: 06/17/93
 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-3</u> <u>MW-18B</u>	<u>5972-4</u> <u>MW-18A</u>
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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 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-3</u> <u>MW-18B</u>	<u>5972-4</u> <u>MW-18A</u>
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		5.4 ^a	<2.0
34696	Naphthalene		<0.7	<0.7

a 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)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-3</u> <u>MW-18B</u>	<u>5972-4</u> <u>MW-18A</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<0.6
77128	Styrene		<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5	<0.5
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

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-5^b</u> <u>MW-20</u>	<u>5972-6^c</u> <u>MW-18D</u>
EPA Method 8021				
78124	Benzene		<12	<2
81555	Bromobenzene		<12	<2
77297	Bromochloromethane		<12	<2
32101	Bromodichloromethane		<12	<2
32104	Bromoform		<12	<2
34413	Bromomethane		<12	<2
77342	n-Butylbenzene	64	<2	<2
77350	sec-Butylbenzene	<20	<4	<4
77353	tert-Butylbenzene	<12	<2	<2
32102	Carbon tetrachloride	<12	<2	<2
34301	Chlorobenzene	<12	<2	<2
34306	Chlorodibromomethane	<12	<2	<2
34311	Chloroethane	23	<2	<2
32106	Chloroform	<12	<2	<2
34418	Chloromethane	<12	<2	<2
77275	2-Chlorotoluene	<12	<2	<2
77277	4-Chlorotoluene	<12	<2	<2
38437	1,2-Dibromo-3-chloropropane	<12	<2	<2
77651	1,2-Dibromoethane	<12	<2	<2
77596	Dibromomethane	<12	<2	<2

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-5^b</u> <u>MW-20</u>	<u>5972-6^c</u> <u>MW-18D</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene		<12	<2
34566	1,3-Dichlorobenzene		<12	<2
34571	1,4-Dichlorobenzene		<15	<3
34668	Dichlorodifluoromethane		<12	<2
34496	1,1-Dichloroethane		48	<3
32103	1,2-Dichloroethane		<12	<2
34501	1,1-Dichloroethene		<12	<2
77093	cis-1,2-Dichloroethene		620	<3
34546	trans-1,2-Dichloroethene		<17	<4
34541	1,2-Dichloropropane		<12	<2
77173	1,3-Dichloropropane		<12	<2
77170	2,2-Dichloropropane		<17	<4
77168	1,1-Dichloropropane		<12	<2
78113	Ethylbenzene		<12	<2
34391	Hexachlorobutadiene		<17	<4
77223	Isopropylbenzene		14	3
77356	p-Isopropyltoluene		15	4
34423	Methylene chloride		<50	<10
34696	Naphthalene		<17	47

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 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-5^b</u> <u>MW-20</u>	<u>5972-6^c</u> <u>MW-18D</u>
EPA Method 8021				
77224	n-Propylbenzene		<15	13
77128	Styrene		<15	<3
77562	1,1,1,2-Tetrachloroethane		<12	<2
34516	1,1,2,2-Tetrachloroethane		<12	<2
34475	Tetrachloroethene		<12	<2
78131	Toluene		<12	<2
77613	1,2,3-Trichlorobenzene		<12	<2
34551	1,2,4-Trichlorobenzene		<12	<2
34506	1,1,1-Trichloroethane		<12	<2
34511	1,1,2-Trichloroethane		<12	<2
39180	Trichloroethene		34	<2
34488	Trichlorofluoromethane		<12	<2
77443	1,2,3-Trichloropropane		<12	<2
77222	1,2,4-Trimethylbenzene		<22	<5
77226	1,3,5-Trimethylbenzene		<12	<2
39175	Vinyl chloride		<12	<2
77135	o-Xylenes		<12	8
85795	m & p Xylenes		<12	<2

- b Elevated detection level due to high analyte concentration; a 25x dilution necessary.
- c Elevated detection level due to high analyte concentration; a 5x dilution necessary.

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-7^d</u> <u>MW-18</u>	<u>5972-8^d</u> <u>MW-81</u>
EPA Method 8021				
78124	Benzene		<25	<25
81555	Bromobenzene		<25	<25
77297	Bromochloromethane		<25	<25
32101	Bromodichloromethane		<25	<25
32104	Bromoform		<25	<25
34413	Bromomethane		<25	<25
77342	n-Butylbenzene		<25	<25
77350	sec-Butylbenzene		<40	<40
77353	tert-Butylbenzene		<25	<25
32102	Carbon tetrachloride		<25	<25
34301	Chlorobenzene		<25	<25
34306	Chlorodibromomethane		<25	<25
34311	Chloroethane		<25	<25
32106	Chloroform		<25	<25
34418	Chloromethane		<25	<25
77275	2-Chlorotoluene		<25	<25
77277	4-Chlorotoluene		<25	<25
38437	1,2-Dibromo-3-chloropropane		<25	<25
77651	1,2-Dibromoethane		<25	<25
77596	Dibromomethane		<25	<25

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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-7^d</u> <u>MW-18</u>	<u>5972-8^d</u> <u>MW-81</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene		<25	<25
34566	1,3-Dichlorobenzene		<25	<25
34571	1,4-Dichlorobenzene		<30	<30
34668	Dichlorodifluoromethane		<25	<25
34496	1,1-Dichloroethane		<30	<30
32103	1,2-Dichloroethane		<25	<25
34501	1,1-Dichloroethene		<25	<25
77093	cis-1,2-Dichloroethene		1,900	1,900
34546	trans-1,2-Dichloroethene		140	160
34541	1,2-Dichloropropane		<25	<25
77173	1,3-Dichloropropane		<25	<25
77170	2,2-Dichloropropane		<35	<35
77168	1,1-Dichloropropene		<25	<25
78113	Ethylbenzene		<25	<25
34391	Hexachlorobutadiene		<35	<35
77223	Isopropylbenzene		<25	<25
77356	p-Isopropyltoluene		<25	<25
34423	Methylene chloride		<100	<100
34696	Naphthalene		<35	<35

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 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5972-7 ^d <u>MW-18</u>	5972-8 ^d <u>MW-81</u>
EPA Method 8021				
77224	n-Propylbenzene		<30	<30
77128	Styrene		<30	<30
77562	1,1,1,2-Tetrachloroethane		<25	<25
34516	1,1,2,2-Tetrachloroethane		<25	<25
34475	Tetrachloroethene		<25	<25
78131	Toluene		<25	<25
77613	1,2,3-Trichlorobenzene		<25	<25
34551	1,2,4-Trichlorobenzene		<25	<25
34506	1,1,1-Trichloroethane		<25	<25
34511	1,1,2-Trichloroethane		<25	<25
39180	Trichloroethene		1,200	1,300
34488	Trichlorofluoromethane		<25	<25
77443	1,2,3-Trichloropropane		<25	<25
77222	1,2,4-Trimethylbenzene		<45	<45
77226	1,3,5-Trimethylbenzene		<25	<25
39175	Vinyl chloride		970	1,200
77135	o-Xylenes		<25	<25
85795	m & p Xylenes		<25	<25

d Elevated detection level due to high analyte concentration; a 50x dilution necessary.

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 DATE ANALYZED: 06/18/93

RECEIVED JUL 21 1993

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-12^b</u> <u>MW-18C</u>	<u>5972-13^d</u> <u>MW-11</u>
EPA Method 8021				
78124	Benzene		<12	95
81555	Bromobenzene		<12	<25
77297	Bromochloromethane		<12	<25
32101	Bromodichloromethane		<12	<25
32104	Bromoform		<12	<25
34413	Bromomethane		<12	<25
77342	n-Butylbenzene		<12	<25
77350	sec-Butylbenzene		<20	<40
77353	tert-Butylbenzene		<12	<25
32102	Carbon tetrachloride		<12	<25
34301	Chlorobenzene		<12	<25
34306	Chlorodibromomethane		<12	<25
34311	Chloroethane		<12	<25
32106	Chloroform		<12	<25
34413	Chloromethane		<12	<25
77275	2-Chlorotoluene		<12	<25
77277	4-Chlorotoluene		<12	<25
38437	1,2-Dibromo-3-chloropropane		<12	<25
77651	1,2-Dibromoethane		<12	<25
77596	Dibromomethane		<12	<25

3150 North Brookfield Road
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 FAX (414) 783-5752



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B5972

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5972
 DATE COLLECTED: 06/16/93
 DATE RECEIVED: 06/17/93
 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5972-12 ^b <u>MW-18C</u>	5972-13 ^d <u>MW-11</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene		<12	<25
34566	1,3-Dichlorobenzene		<12	<25
34571	1,4-Dichlorobenzene		<15	<30
34668	Dichlorodifluoromethane		<12	<25
34496	1,1-Dichloroethane		58	<30
32103	1,2-Dichloroethane		<12	<25
34501	1,1-Dichloroethene		<12	<25
77093	cis-1,2-Dichloroethene		450	<30
34546	trans-1,2-Dichloroethene		20	<35
34541	1,2-Dichloropropane		<12	<25
77173	1,3-Dichloropropane		<12	<25
77170	2,2-Dichloropropane		<17	<35
77168	1,1-Dichloropropene		<12	<25
78113	Ethylbenzene		<12	1,100
34391	Hexachlorobutadiene		<17	<35
77223	Isopropylbenzene		<12	25
77356	p-Isopropyltoluene		<12	<25
34423	Methylene chloride		<50	<100
34696	Naphthalene		28	57

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DATE: June 25, 1993
 PURCHASE ORDER:
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 DATE RECEIVED: 06/17/93
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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5972-12 ^b <u>MW-18C</u>	5972-13 ^d <u>MW-11</u>
EPA Method 8021				
77224	n-Propylbenzene		<15	30
77128	Styrene		<15	<30
77562	1,1,1,2-Tetrachloroethane		<12	<25
34516	1,1,2,2-Tetrachloroethane		<12	<25
34475	Tetrachloroethene		<12	<25
78131	Toluene		<12	81
77613	1,2,3-Trichlorobenzene		<12	<25
34551	1,2,4-Trichlorobenzene		<12	<25
34506	1,1,1-Trichloroethane		<12	<25
34511	1,1,2-Trichloroethane		<12	<25
39180	Trichloroethene		350	<25
34488	Trichlorofluoromethane		<12	<25
77443	1,2,3-Trichloropropane		<12	<25
77222	1,2,4-Trimethylbenzene		<22	100
77226	1,3,5-Trimethylbenzene		<12	97
39175	Vinyl chloride		43	<25
77135	o-Xylenes		<12	<25
85795	m & p Xylenes		<12	1,900

b Elevated detection level due to high analyte concentration; a 25x dilution necessary.

d Elevated detection level due to high analyte concentration; a 50x dilution necessary.

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ANALYTICAL REPORT

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Attn: Mr. Rick Binder
 Project #11013

DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5972
 DATE COLLECTED: 06/16/93
 DATE RECEIVED: 06/17/93
 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-9</u> <u>MW-43</u>	<u>5972-10^b</u> <u>MW-25</u>
EPA Method 8021				
78124	Benzene		<0.5	<12
81555	Bromobenzene		<0.5	<12
77297	Bromochloromethane		<0.5	<12
32101	Bromodichloromethane		<0.5	<12
32104	Bromoform		<0.5	<12
34413	Bromomethane		<0.5	<12
77342	n-Butylbenzene		<0.5	<12
77350	sec-Butylbenzene		<0.8	<20
77353	tert-Butylbenzene		<0.5	<12
32102	Carbon tetrachloride		<0.5	<12
34301	Chlorobenzene		<0.5	<12
34306	Chlorodibromomethane		<0.5	<12
34311	Chloroethane		<0.5	<12
32106	Chloroform		<0.5	<12
34418	Chloromethane		<0.5	<12
77275	2-Chlorotoluene		<0.5	<12
77277	4-Chlorotoluene		<0.5	<12
38437	1,2-Dibromo-3-chloropropane		<0.5	<12
77651	1,2-Dibromoethane		<0.5	<12
77596	Dibromomethane		<0.5	<12

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DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5972
 DATE COLLECTED: 06/16/93
 DATE RECEIVED: 06/17/93
 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-9</u> <u>MW-43</u>	<u>5972-10^b</u> <u>MW-25</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.5	<12
34566	1,3-Dichlorobenzene		<0.5	<12
34571	1,4-Dichlorobenzene		<0.6	<15
34668	Dichlorodifluoromethane		<0.5	<12
34496	1,1-Dichloroethane		<0.6	<15
32103	1,2-Dichloroethane		<0.5	<12
34501	1,1-Dichloroethene		<0.5	<12
77093	cis-1,2-Dichloroethene		1.9	640
34546	trans-1,2-Dichloroethene		1.6	<17
34541	1,2-Dichloropropane		<0.5	<12
77173	1,3-Dichloropropane		<0.5	<12
77170	2,2-Dichloropropane		<0.7	<17
77168	1,1-Dichloropropene		<0.5	<12
78113	Ethylbenzene		<0.5	<12
34391	Hexachlorobutadiene		<0.7	<17
77223	Isopropylbenzene		<0.5	<12
77356	p-Isopropyltoluene		<0.5	<12
34423	Methylene chloride		<2.0	<50
34696	Naphthalene		<0.7	<17

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DATE: June 25, 1993
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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-9</u> <u>MW-43</u>	<u>5972-10^b</u> <u>MW-25</u>
EPA Method 8021				
77224	n-Propylbenzene		<0.6	<15
77128	Styrene		<0.6	<15
77562	1,1,1,2-Tetrachloroethane		<0.5	<12
34516	1,1,2,2-Tetrachloroethane		<0.5	<12
34475	Tetrachloroethene		<0.5	<12
78131	Toluene		<0.5	<12
77613	1,2,3-Trichlorobenzene		<0.5	<12
34551	1,2,4-Trichlorobenzene		<0.5	<12
34506	1,1,1-Trichloroethane		<0.5	<12
34511	1,1,2-Trichloroethane		<0.5	<12
39180	Trichloroethene		5.5	55
34488	Trichlorofluoromethane		<0.5	<12
77443	1,2,3-Trichloropropane		<0.5	<12
77222	1,2,4-Trimethylbenzene		<0.9	<22
77226	1,3,5-Trimethylbenzene		<0.5	<12
39175	Vinyl chloride		<0.5	710
77135	o-Xylenes		<0.5	<12
85795	m & p Xylenes		<0.5	<12

b Elevated detection level due to high analyte concentration; a 25x dilution necessary.

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B5972

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DATE: June 25, 1993
 PURCHASE ORDER:
 SEI NO: WL5972
 DATE COLLECTED: 06/14/93
 DATE RECEIVED: 06/17/93
 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5972-14 <u>Trip Blk</u>
EPA Method 8021			
78124	Benzene		<0.5
81555	Bromobenzene		<0.5
77297	Bromochloromethane		<0.5
32101	Bromodichloromethane		<0.5
32104	Bromoform		<0.5
34413	Bromomethane		<0.5
77342	n-Butylbenzene		<0.5
77350	sec-Butylbenzene		<0.8
77353	tert-Butylbenzene		<0.5
32102	Carbon tetrachloride		<0.5
34301	Chlorobenzene		<0.5
34306	Chlorodibromomethane		<0.5
34311	Chloroethane		<0.5
32106	Chloroform		<0.5
34418	Chloromethane		<0.5
77275	2-Chlorotoluene		<0.5
77277	4-Chlorotoluene		<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5
77651	1,2-Dibromoethane		<0.5
77596	Dibromomethane		<0.5

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 DATE RECEIVED: 06/17/93
 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5972-14</u> <u>Trip Blk</u>
EPA Method 8021			
34536	1,2-Dichlorobenzene		<0.5
34566	1,3-Dichlorobenzene		<0.5
34571	1,4-Dichlorobenzene		<0.6
34668	Dichlorodifluoromethane		<0.5
34496	1,1-Dichloroethane		<0.6
32103	1,2-Dichloroethane		<0.5
34501	1,1-Dichloroethene		<0.5
77093	cis-1,2-Dichloroethene		<0.6
34546	trans-1,2-Dichloroethene		<0.7
34541	1,2-Dichloropropane		<0.5
77173	1,3-Dichloropropane		<0.5
77170	2,2-Dichloropropane		<0.7
77168	1,1-Dichloropropene		<0.5
78113	Ethylbenzene		<0.5
34391	Hexachlorobutadiene		<0.7
77223	Isopropylbenzene		<0.5
77356	p-Isopropyltoluene		<0.5
34423	Methylene chloride		<2.0
34696	Naphthalene		<0.7



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 DATE ANALYZED: 06/18/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5972-14 <u>Trip Blk</u>
EPA Method 8021			
77224	n-Propylbenzene		<0.6
77128	Styrene		<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5
34475	Tetrachloroethene		<0.5
78131	Toluene		<0.5
77613	1,2,3-Trichlorobenzene		<0.5
34551	1,2,4-Trichlorobenzene		<0.5
34506	1,1,1-Trichloroethane		<0.5
34511	1,1,2-Trichloroethane		<0.5
39180	Trichloroethene		<0.5
34488	Trichlorofluoromethane		<0.5
77443	1,2,3-Trichloropropane		<0.5
77222	1,2,4-Trimethylbenzene		<0.9
77226	1,3,5-Trimethylbenzene		<0.5
39175	Vinyl chloride		<0.5
77135	o-Xylenes		<0.5
85795	m & p Xylenes		<0.5

Gary E. Barry
 Gary E. Barry
 Projects Coordinator

PROJ. NO.		PROJECT NAME					NO. OF CONTAINERS	TEST PARAMETERS								SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)					
11013		CHRYSLER CORP.						VOC (EPA Method 8021) CYANIDE (EPA Method 8021) BTEX (8020) GRO (8020) DRO (P-Rick Bldg 1705)													
SAMPLERS: R. KRAMER, J. RAMPONI																					
SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION															
1	-	6-16-93	0830	✓		mw-17	3-	✓	✓									Groundwater			
2	-	6-16-93	0924	✓		mw-19	3-	✓	✓												
3	-	6-16-93	1025	✓		mw-18B	2-	✓	✓												
4	-	6-16-93	1055	✓		mw-18A	2-	✓	✓												
5	-	6-16-93	1154	✓		mw-20	3-	✓	✓												
6	-	6-16-93	1100	✓		mw-18D	3-	✓	✓												
7	-	6-16-93	1145	✓		mw-18	3-	✓	✓												
8	-	6-16-93	1145	✓		mw-81	3-	✓	✓												
9	-	6-16-93	0845	✓		mw-43	3-	✓	✓												
10	-	6-16-93	0925	✓		mw-25	2-	✓	✓												
11	-	6-16-93	1500	✓		sump-2 mw-21A	3-			✓	✓										
12	-	6-16-93	1400	✓		mw-18C	3-	✓	✓												
13	-	6-16-93	1420	✓		mw-11	2-	✓	✓												

SAMPLE CONDITION: ^{4/18} VOC samples preserved w/HCL TRIP BIK
 Cyanide samples field filtered
 BTEX, GRO preserved w/HCL Runtice

SAMPLE LOCATION: _____

RELINQUISHED BY: <i>Richard J. Binder</i>	DATE / TIME 6/17/93 8:07	RELINQUISHED BY: <i>C. Deunst</i>	DATE / TIME 6/17/93 8:57	SPECIAL REQUESTS:
RECEIVED BY: <i>C. Deunst</i>	DATE / TIME 6/17/93 8:07	RECEIVED BY: <i>L. Deunst</i>	DATE / TIME 6/17/93 8:47	REPORT TO: <i>Richard J. Binder</i>

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

NAME: *Triad Engineering, Inc.*
 ADDRESS: *325 East Chicago Street*
Milwaukee, WI 53202
 PHONE: *(414) 291-8840*





ATTACHMENT C

MW-44 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**

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2895

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

Attn: Mr. Rick Binder
Project #11013

DATE: June 17, 1993
PURCHASE ORDER:
SEI NO: WL5808
DATE COLLECTED: 06/04/93
DATE RECEIVED: 06/07/93

Matrix: Soil
Source: Chrysler
Units: mg/kg (ppm)

DATE EXTRACTED
DRO - 06/07/93

DATE ANALYZED
DRO - 06/07/93

SEI ID 5808-1
Sample ID MW-44 5-7'

<u>DNR #</u>	<u>Analyte</u>	<u>PQL</u>	
	WDNR Modified Method DRO		
78919	DRO	1	<1

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ANALYTICAL REPORT

REPORT NUMBER: B2895

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

Attn: Mr. Rick Binder
 Project #11013

DATE: June 17, 1993
 PURCHASE ORDER:
 SEI NO: WL5808
 DATE COLLECTED: 06/04/93
 DATE RECEIVED: 06/07/93
 DATE ANALYZED: 06/14/93

Matrix: Soil
 Source: Chrysler

Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5808-1 <u>MW-44 5-7'</u>
EPA Method 8021			
78124	Benzene		<0.02
81555	Bromobenzene		<0.02
77297	Bromochloromethane		<0.02
32101	Bromodichloromethane		<0.02
32104	Bromoform		<0.02
34413	Bromomethane		<0.02
77342	n-Butylbenzene		<0.02
77350	sec-Butylbenzene		<0.02
77353	tert-Butylbenzene		<0.02
32102	Carbon tetrachloride		<0.02
34301	Chlorobenzene		<0.02
34306	Chlorodibromomethane		<0.02
34311	Chloroethane		<0.02
32106	Chloroform		<0.02
34418	Chloromethane		<0.02
77275	2-Chlorotoluene		<0.02
77277	4-Chlorotoluene		<0.02
38437	1,2-Dibromo-3-chloropropane		<0.02
77651	1,2-Dibromoethane		<0.02
77596	Dibromomethane		<0.02

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Attn: Mr. Rick Binder
 Project #11013

DATE: June 17, 1993
 PURCHASE ORDER:
 SEI NO: WL5808
 DATE COLLECTED: 06/04/93
 DATE RECEIVED: 06/07/93
 DATE ANALYZED: 06/14/93

Matrix: Soil
 Source: Chrysler
 Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5808-1 <u>MW-44 5-7'</u>
EPA Method 8021			
34536	1,2-Dichlorobenzene		<0.02
34566	1,3-Dichlorobenzene		<0.02
34571	1,4-Dichlorobenzene		<0.02
34668	Dichlorodifluoromethane		<0.02
34496	1,1-Dichloroethane		<0.03
32103	1,2-Dichloroethane		<0.02
34501	1,1-Dichloroethene		<0.02
77093	cis-1,2-Dichloroethene		<0.03
34546	trans-1,2-Dichloroethene		<0.03
34541	1,2-Dichloropropane		<0.02
77173	1,3-Dichloropropane		<0.02
77170	2,2-Dichloropropane		<0.03
77168	1,1-Dichloropropene		<0.02
78113	Ethylbenzene		<0.02
34391	Hexachlorobutadiene		<0.03
77223	Isopropylbenzene		<0.02
77356	p-Isopropyltoluene		<0.02
34423	Methylene chloride		0.22*
34696	Naphthalene		<0.03

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

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Attn: Mr. Rick Binder
 Project #11013

DATE: June 17, 1993
 PURCHASE ORDER:
 SEI NO: WL5808
 DATE COLLECTED: 06/04/93
 DATE RECEIVED: 06/07/93
 DATE ANALYZED: 06/14/93

Matrix: Soil
 Source: Chrysler
 Units: mg/kg (ppm)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5808-1 <u>MW-44 5-7'</u>
EPA Method 8021			
77224	n-Propylbenzene		<0.03
77128	Styrene		<0.03
77562	1,1,1,2-Tetrachloroethane		<0.02
34516	1,1,2,2-Tetrachloroethane		<0.02
34475	Tetrachloroethene		<0.02
78131	Toluene		<0.02
77613	1,2,3-Trichlorobenzene		<0.02
34551	1,2,4-Trichlorobenzene		<0.02
34506	1,1,1-Trichloroethane		<0.02
34511	1,1,2-Trichloroethane		<0.02
39180	Trichloroethene		<0.02
34488	Trichlorofluoromethane		<0.02
77443	1,2,3-Trichloropropane		<0.02
77222	1,2,4-Trimethylbenzene		<0.04
77226	1,3,5-Trimethylbenzene		<0.02
39175	Vinyl chloride		<0.02
77135	o-Xylenes		<0.02
85795	m & p Xylenes		<0.02

Gary E. Barry
 Gary E. Barry
 Projects Coordinator

1000

PROJ. NO.		PROJECT NAME					NO. OF CONTAINERS	TEST PARAMETERS						SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
11013		TRIAD Chrysler Corporation						<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs (8221)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PPO*</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TRPH*</div> </div>						
SAMPLERS:														
J. Ramponi														
SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION								
1	MW-44	6-4-93	1145		X	monitor well 44 5-7' depth	4	X	X	X			Soil * WDR Modified Method	

SAMPLE CONDITION: R. on Ice

SAMPLE LOCATION: 1-DRO-TOM 1-4g → D
1-1g → vol
1-1g → web

RELINQUISHED BY: Jesse M. Rupp

DATE / TIME: 6/7/93 8:08 am
RELINQUISHED BY: C. Deenest

DATE / TIME: 6/7 9:42 1 am

SPECIAL REQUESTS:

RECEIVED BY: C. Deenest

DATE / TIME: 6/7/93 8:08 am
RECEIVED BY: L. Deenest

DATE / TIME: 6/7/93 9:42 1 AM

REPORT TO: Rick Binder
NAME: Triad Engineering Inc
ADDRESS: 325 E. Chicago
PHONE: 414 291 8840



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 Corporation
 Project Number: 11013
 Location: Kenosha, Wisconsin

Field Equipment: Schott #819
 pH: Myron L pDS Meter #032456E
 Conductivity: Ashcroft
 Temperature:

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-44			
Water Type	Groundwater			
Date	June 9, 1993			
Sampled by	R. Kraemer			
Reference Elevation (Top of riser etc.)	TOR			
Measured Depth to Water (ft.)	9			
Measured Well Depth (ft.)	14.3			
Purging/Sampling Device(s)	pvc Bailer			
Well Casing Volumes/Gallons Purged	40			
Well Purged Dry? (Y/N)	N			
Time Purging Completed (Military)	1210			
Time Sample Withdrawn (Military)	1230			
Field Temperature (degrees C)	10			
Field Conductivity: Measured (u mhos/cm)	680			
Field Conductivity @25 degrees C (u mhos/cm)	--			
pH (std. units)	7.32			
Alkalinity (mg/l)	--			
Color				
Odor	None			
Turbidity	Turbid			
Other	Sediment			

Sampling Container and Preservation Information

Sample Parameter(s)	VOCs/DRO/TRPH			
# Of Containers & Volume	3-40 ml			
Container Type (amber glass, clear glass, plastic etc.)	1-1 liter			
Filtered/Unfiltered	Unfiltered			
Preserved/Unpreserved/Type	HCL/unpreserved			
Refrigerated/On Ice	On Ice			

Shipping Information

Laboratory	SEI			
Date Submitted	June 10, 1993			
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.			

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



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2876

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

Attn: Mr. Rick Binder
 Project #10813

DATE: June 17, 1993
 PURCHASE ORDER:
 SEI NO: WL5866
 DATE COLLECTED: 06/09/93
 DATE RECEIVED: 06/10/93
 DATE ANALYZED: 06/14/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5866-1 <u>MW-44</u>
EPA Method 8021			
78124	Benzene		<0.5
81555	Bromobenzene		<0.5
77297	Bromochloromethane		<0.5
32101	Bromodichloromethane		<0.5
32104	Bromoform		<0.5
34413	Bromomethane		<0.5
77342	n-Butylbenzene		<0.5
77350	sec-Butylbenzene		<0.8
77353	tert-Butylbenzene		<0.5
32102	Carbon tetrachloride		<0.5
34301	Chlorobenzene		<0.5
34306	Chlorodibromomethane		<0.5
34311	Chloroethane		<0.5
32106	Chloroform		<0.5
34418	Chloromethane		<0.5
77275	2-Chlorotoluene		<0.5
77277	4-Chlorotoluene		<0.5
38437	1,2-Dibromo-3-chloropropane		<0.5
77651	1,2-Dibromoethane		<0.5
77596	Dibromomethane		<0.5

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

Attn: Mr. Rick Binder
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DATE: June 17, 1993
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 DATE COLLECTED: 06/09/93
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Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	<u>5866-1</u> <u>MW-44</u>
EPA Method 8021*			
34536	1,2-Dichlorobenzene		<0.5
34566	1,3-Dichlorobenzene		<0.5
34571	1,4-Dichlorobenzene		<0.6
34668	Dichlorodifluoromethane		<0.5
34496	1,1-Dichloroethane		<0.6
32103	1,2-Dichloroethane		<0.5
34501	1,1-Dichloroethene		<0.5
77093	cis-1,2-Dichloroethene		1.4
34546	trans-1,2-Dichloroethene		<0.7
34541	1,2-Dichloropropane		<0.5
77173	1,3-Dichloropropane		<0.5
77170	2,2-Dichloropropane		<0.7
77168	1,1-Dichloropropene		<0.5
78113	Ethylbenzene		<0.5
34391	Hexachlorobutadiene		<0.7
77223	Isopropylbenzene		<0.5
77356	p-Isopropyltoluene		<0.5
34423	Methylene chloride		<2.0
34696	Naphthalene		<0.7

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ANALYTICAL REPORT

REPORT NUMBER: B2876

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

Attn: Mr. Rick Binder
 Project #10813

DATE: June 17, 1993
 PURCHASE ORDER:
 SEI NO: WL5866
 DATE COLLECTED: 06/09/93
 DATE RECEIVED: 06/10/93
 DATE ANALYZED: 06/14/93

Matrix: Groundwater
 Source: Chrysler

Units: ug/l (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	5866-1 <u>MW-44</u>
EPA Method 8021			
77224	n-Propylbenzene		<0.6
77128	Styrene		<0.6
77562	1,1,1,2-Tetrachloroethane		<0.5
34516	1,1,2,2-Tetrachloroethane		<0.5
34475	Tetrachloroethene		<0.5
78131	Toluene		1.3
77613	1,2,3-Trichlorobenzene		<0.5
34551	1,2,4-Trichlorobenzene		<0.5
34506	1,1,1-Trichloroethane		<0.5
34511	1,1,2-Trichloroethane		<0.5
39180	Trichloroethene		<0.5
34488	Trichlorofluoromethane		<0.5
77443	1,2,3-Trichloropropane		<0.5
77222	1,2,4-Trimethylbenzene		<0.9
77226	1,3,5-Trimethylbenzene		<0.5
39175	Vinyl chloride		<0.5
77135	o-Xylenes		<0.5
85795	m & p Xylenes		<0.5

Gary E. Barry
 Gary E. Barry
 Projects Coordinator

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 Brookfield, Wisconsin 53045
 telephone (414) 783-6111
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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2876

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

Attn: Mr. Rick Binder
 Project #10813

DATE: June 17, 1993
 PURCHASE ORDER:
 SEI NO: WL5866
 DATE COLLECTED: 06/09/93
 DATE RECEIVED: 06/10/93

Matrix: Groundwater
 Source: Chrysler
 Units: mg/l (ppm)

DATE EXTRACTED
 TRPH - 06/14/93
 DRO - 06/11/93

DATE ANALYZED
 TRPH - 06/14/93
 DRO - 06/14/93

SEI ID 5866-1
 Sample ID MW-44

<u>DNR #</u>	<u>Analyte</u>	<u>PQL</u>	
WDNR Modified Method DRO			
78919	DRO	0.05	<0.05

WDNR Modified Method EPA 9073			
<u>DNR #</u>	<u>Analyte</u>	<u>PQL</u>	
00083	TRPH	1	<1

7866

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME TRIAD ENGINEERING - 11013					NO. OF CONTAINERS	TEST PARAMETERS								SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
SAMPLERS: R. Kraemer J. Selden		CHRYSLER						<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs (6021)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PPO</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TRPH</div> </div>								
SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION										
1	MW-44	6/9	1230		/	MW-44	3	X							Groundwater	
1	MW-44	6/9	1230		/	MW-44	1		X						Groundwater	
1	MW-44	6/9	1230		/	MW-44	1			X					Groundwater	

SAMPLE CONDITION: **Rentice**

SAMPLE LOCATION:

RELINQUISHED BY: R. Kraemer	DATE / TIME 6/9, 1600	RELINQUISHED BY: J. M. Rayni	DATE / TIME 6/10/93 10:30 A.M.
RECEIVED BY: J. Rayni	DATE / TIME 6/9, 1600	RECEIVED BY: L. Doherty	DATE / TIME 6/10/93 10:30 A.M.

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: Jeanne Ramponi
 Date: June 4, 1993
 Site: Chrysler Corporation
 Weather: Cloudy, 50 degrees Fahrenheit

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

Instrument No. Model P1 101 #3
HNU

Probe Identification 10.2 eV
 Calibration Gas:
 Gas Type Benzene
 Batch # _____
 Bottle I.D. 300 psi 4"x12"

Battery: O.K.
 Zero: O.K.
 Calibration: 62.2
 Span Setting: 2.71

Sample #	Location	Depth (ft)	Time Sampled	Time Analyzed	Background Response	Peak Response	Comments
1	MW-44	1-3	11:10	11:30	0	0	No noticeable odor
2		3-5	11:12	11:31	0	0	No noticeable odor
3		5-7	11:14	11:32	0	.4	No noticeable odor
4		7-9	11:16	11:34	0	.4	No noticeable odor
5		9-11	11:18	11:35	0	.5	No noticeable odor
6		11-13	11:20	11:36	0	.5	No noticeable odor
7		13-15	11:22	11:38	0	.5	No noticeable odor
8		15-17	11:24	11:40	0	.5	No noticeable odor
9		17-19	11:26	11:41	0	.5	No noticeable odor
10		19-20	11:28	11:42	0	.5	No noticeable odor

Facility/Project Name Chrysler Corporation			License/Permit/Monitoring Number		Boring Number MW-44	
Boring Drilled By (Firm name and name of crew chief) Soils and Engineering Services, Jim Patterson			Date Drilling Started 6/4/93		Date Drilling Completed 6/4/93	
DNR Facility Well No.			WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL			Surface Elevation Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location State Plane SW 1/4 of SE 1/4 of Section 36 T 2 N,R 22 E			Lat 0 1 "		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Kenosha			DNR County Code 30		Civil Town/City/ or Village City of Kenosha	

Sample Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	18	3	1	<u>0-0.5 feet</u>	ASPHAL									
			3	<u>0.5-1 feet Gravel</u>	GW									
2	18	3	2	1-5 feet Sand, trace gravel, well-graded, brown (10 YR 5/3) to gray (10 YR 5/1, loose, no hydrocarbon odor, damp.	SW			0						
			3											
			3											
			3											
3	22	2	3	5-7 feet Silt, trace fine sand, light brown (10 YR 6/3) to light orange (10 YR 6/6), loose, no hydrocarbon, odor, saturated.	MLS			0.4						
			3											
			4											
			4											
4	20	4	4	7-9 feet Silt, trace very fine sand, gray (10 YR 6/1) to very light brown (10 YR 6/3), medium dense, no hydrocarbon odor, saturated.	MLS			0.4						
			5											
			5											
			7											
5	24	5	5	9-11 feet Silt, light brown (10 YR 6/3) to light orange (10 YR 6/6), medium dense, no hydrocarbon odor, saturated.	ML			0.5						
			6											
			6											
			8											
6	14	5	11	11-20 feet Silt, gray (10 YR 6/1) to brown (10 YR 6/3), medium dense,	ML			0.5						
			5											

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.

Boring Number **MW-44**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number	Length (in) Recovered								Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
7	18	5 4 2 2 3 3	13 14	no hydrocarbon odor, saturated.				0.5						
8	20	3 4 4 5	15 16											
9	15	5 6 7	17 18											
10		1	19											
				EOB 20 feet										

Facility/Project Name <u>Chrysler Corporation</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name <u>mw-44</u>
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 <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source <u>SW1/4 of SE1/4 of Sec. 36, T. 2 N, R. 22 E, W.</u>	Date Well Installed <u>06/04/93</u> m m d d y y
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <u>Soils and Engineering Services - Jim, Al</u>
Is Well A Point of Enforcement Std. Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation <u>624.64</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>624.29</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>9.0</u> in. b. Length: <u>1.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>624.64</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom <u>623.6</u> ft. MSL or <u>1.0</u> ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. <u>65</u> Ft ³ volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Badger Mining Corp. Silica Sand</u> b. Volume added <u>.33</u> ft ³
Describe _____	8. Filter pack material: Manufacturer, product name and mesh size a. <u>Red Flint Filter Sands and Gravels 35</u> b. Volume added <u>5.3</u> ft ³
17. Source of water (attach analysis):	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top <u>623.6</u> ft. MSL or <u>1.0</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top <u>621.6</u> ft. MSL or <u>3.0</u> ft.	b. Manufacturer <u>Johnsons</u> c. Slot size: <u>0.10</u> in. d. Slotted length: <u>9.9</u> ft
G. Filter pack, top <u>620.6</u> ft. MSL or <u>4.0</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>619.6</u> ft. MSL or <u>5.0</u> ft.	
I. Well bottom <u>609.6</u> ft. MSL or <u>15.0</u> ft.	
J. Filter pack, bottom <u>604.6</u> ft. MSL or <u>20.0</u> ft.	
K. Borehole, bottom <u>604.6</u> ft. MSL or <u>20.0</u> ft.	
L. Borehole, diameter <u>8.0</u> in.	
M. O.D. well casing <u>2.0</u> in.	
N. I.D. well casing <u>1.91</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Jim M. Ryski Firm Soils 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.

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 casing) _____ 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. ____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) _____	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 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.

GROUNDWATER MONITORING WELL DEVELOPMENT LOG

Location: Chrysler Corporation

SAMPLE LOCATION	TIME (military)	VOLUME (gallon)	pH (s.u.)	TEMPERATURE (F°)	CONDUCTIVITY	COMMENT
MW-44	1000	5	7.10	54	580	PVC shavings in well turbid
	1021	10	7.22	50	600	PVC shavings in well turbid
	1035	15	7.22	50	580	PVC shavings in well turbid
	1100	20	7.37	50	660	Water clearing, some turbidity
	1115	25	7.34	50	580	
	1130	30	7.35	50	700	Turbid water
	1145	35	7.30	50	680	
	1210	40	7.32	50	680	

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

Facility/Project Name <u>Chrysler</u>	County Name <u>Kenosha</u>	Well Name <u>MW-44</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well Number

		Before Development	After Development
1. Can this well be purged dry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
2. Well development method		11. Depth to Water (from top of well casing)	
surged with bailer and bailed	<input type="checkbox"/> 41	a. <u>9.29</u> ft.	<u>9.00</u> ft.
surged with bailer and pumped	<input type="checkbox"/> 61		
surged with block and bailed	<input type="checkbox"/> 42	Date	
surged with block and pumped	<input type="checkbox"/> 62	b. <u>06/08/93</u>	<u>06/09/93</u>
surged with block, bailed and pumped	<input type="checkbox"/> 70	m m d d y y	m m d d y y
compressed air	<input type="checkbox"/> 20	Time	
bailed only	<input checked="" type="checkbox"/> 10	c. <u>04:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>12:25</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
pumped only	<input type="checkbox"/> 51	12. Sediment in well bottom	<u>2.4</u> inches
pumped slowly	<input type="checkbox"/> 50	13. Water clarity	
Other _____	<input type="checkbox"/>	Clear <input type="checkbox"/> 10	Clear <input type="checkbox"/> 20
3. Time spent developing well	<u>130</u> min.	Turbid <input checked="" type="checkbox"/> 15	Turbid <input checked="" type="checkbox"/> 25
4. Depth of well (from top of well casing)	<u>14.3</u> ft.	(Describe)	(Describe)
5. Inside diameter of well	<u>2.00</u> in.		<u>Sediment evident in development water</u>
6. Volume of water in filter pack and well casing	<u>3.9</u> gal.		<u>Quality varied during development.</u>
7. Volume of water removed from well	<u>40.0</u> gal.	Fill in if drilling fluids were used and well is at solid waste facility:	
8. Volume of water added (if any)	<u>0.0</u> gal.	14. Total suspended solids	_____ mg/l
9. Source of water added _____		15. COD	_____ mg/l
10. Analysis performed on water added? (If yes, attach results)	<input type="checkbox"/> Yes <input type="checkbox"/> No		

16. Additional comments on development:

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>Randal J. Kraemer</u>	Signature: _____
Firm: <u>Triad Engineering Inc.</u>	Print Initials: _____
	Firm: _____

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

HYDRAULIC TEST DATA FOR MONITORING WELL
MW-44
CHRYSLER CORPORATION
KENOSHA, WISCONSIN
DATE: AUGUST 9, 1993
TYPE OF TEST--BAIL DOWN TEST

TIME (minutes)	RESIDUAL DRAWDOWN H (feet)	H/HO
0.25	3.75	0.9375
0.32	3.5	0.8750
0.42	3.25	0.8125
0.52	3.0	0.7500
0.65	2.75	0.6875
0.75	2.5	0.6250
0.88	2.25	0.5625
1.08	2.0	0.5000
1.42	1.75	0.4375
1.60	1.65	0.4125
1.75	1.55	0.3875
1.82	1.5	0.3750
1.92	1.45	0.3625
1.98	1.40	0.3500
2.12	1.35	0.3375
2.27	1.30	0.3250
2.47	1.25	0.3125
2.70	1.20	0.3000
2.95	1.15	0.2875
3.17	1.10	0.2750
3.37	1.05	0.2625
3.58	1.0	0.2500
3.88	.95	0.2375
4.13	.90	0.2250
4.45	.85	0.2125
4.70	.80	0.2000
4.95	.75	0.1875
5.30	.70	0.1750
5.70	.66	0.1625
6.27	.60	0.1500

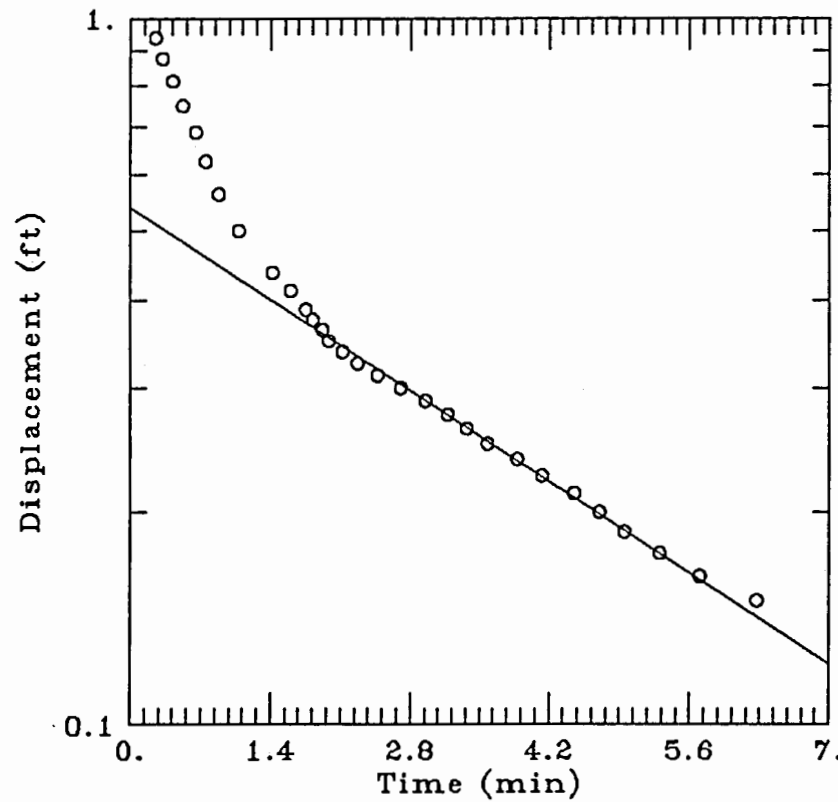
Triad Engineering Inc.

Client: Chrysler Corporation

Project No.: 11013

Location: Kenosha, Wisconsin

unconfined aquifer data



DATA SET:

A:mw44unconfined
08103193

AQUIFER TYPE:

Unconfined

SOLUTION METHOD:

Bouwer-Rice

TEST DATE:

June 9, 1993

OBS. WELL:

MW 44

ESTIMATED PARAMETERS:

$K = 0.0001364$ ft/min
 $y_0 = 0.54$ ft

TEST DATA:

$H_0 = 4.$ ft
 $r_c = 0.083$ ft
 $r_w = 0.333$ ft
 $L = 10.$ ft
 $b = 99.$ ft
 $H = 6.$ ft



ATTACHMENT D

MONITOR WELL MW-1 ABANDONMENT DOCUMENTATION

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County <u>Kenosha</u>	Original Well Owner (If Known)	
SW 1/4 of SE 1/4 of Sec. <u>36</u> ; T. <u>2</u> N; R. <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner <u>Chrysler Corporation</u>	
Gov't Lot _____ Grid Number _____		Street or Route <u>5555 30th Ave</u>	
Grid Location <u>219551.9290</u> ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., <u>2580284.9</u> ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Kenosha, WI. 53144</u>	
Civil Town Name		Facility Well No. and/or Name (If Applicable) <u>MW-1</u>	WI Unique Well No. _____
Street Address of Well <u>30th Avenue</u>		Reason For Abandonment <u>no longer needed for hydraulic control</u>	
City, Village <u>Kenosha</u>		Date of Abandonment <u>6-8-93</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>5-22-89</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) <u>overdrilled/grouted</u>	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) <u>Tremie</u>		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) <u>12.5</u> Casing Diameter (ins.) <u>2"</u> (From ground surface) Casing Depth (ft.) <u>12.5</u> Was Well Annular Space Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? <u>13</u> Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Cement / Bentonite / water grout</u>	<u>Surface</u>	<u>13.0</u>		<u>Ratio:</u>	<u>water / cement / 1 / 7.5 gal. 80 lb / 15.</u> <u>1/2 bag Bentonite granular</u> <u>bag cement</u>

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Soils and Engineering Services

Signature of Person Doing Work <u>Jean Patten</u>	Date Signed <u>6/8/93</u>
Street or Route <u>1102 Stewart ST.</u>	Telephone Number <u>(608) 274-7600</u>
City, State, Zip Code <u>Madison, WI 53713</u>	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	



ATTACHMENT E

**MW-11A
REPAIR/CONSTRUCTION MODIFICATION DOCUMENTATION**

Facility/Project Name Chryster Corporation	Local Grid Location of Well _____ ft. <input type="checkbox"/> N _____ ft. <input type="checkbox"/> E _____ ft. <input type="checkbox"/> S _____ ft. <input type="checkbox"/> W	Well Name MW-11A
Facility License, Permit of Monitoring Number _____	Grid Origin Location Lat. _____ Long. _____ or St. Plane 221500.4161 ft. N, 2581137.3106 ft. E.	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source SW 1/4 of SE 1/4 of Sec. 36, T. 2 N, R. 22 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed 06/08/93 m m d d y y
Distance Well Is From Waste/Source Boundary UNKNOWN ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) Soils and Engineering Services, Jim Patterson.
Is Well A Point of Enforcement Std. Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation -624.82 ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation -624.52 ft. MSL	2. Protective cover pipe: a. Inside diameter: 9.0 in. b. Length: 1.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation -624.82 ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: Flush.
D. Surface seal, bottom -621.8 ft. MSL or -3.0 ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input checked="" type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. 1.0 Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input checked="" type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. Badger Mining Corp. VV #40 b. Volume added 0.2 ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size a. Red Flint 30 b. Volume added 3.7 ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
17. Source of water (attach analysis): _____	10. Screen material: PVC schedule 40 a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or 0.0 ft.	b. Manufacturer Diedrich c. Slot size: 0.010 in. d. Slotted length: 10.0 ft.
F. Fine sand, top -621.8 ft. MSL or -3.0 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
G. Filter pack, top -621.3 ft. MSL or -3.5 ft.	
H. Screen joint, top -620.8 ft. MSL or -4.0 ft.	
I. Well bottom -610.8 ft. MSL or -14.0 ft.	
J. Filter pack, bottom -609.8 ft. MSL or -15.0 ft.	
K. Borehole, bottom -609.8 ft. MSL or -15.0 ft.	
L. Borehole, diameter 8.0 in.	
M. O.D. well casing 2.00 in.	
N. I.D. well casing 1.91 in.	

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

Signature Jim M. Rupp Firm Triad Engineering Incorporated

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.

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 casing) _____ 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. ____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) _____	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 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:

<p>Well developed by: Person's Name and Firm</p> <p>Name: _____</p> <p>Firm: _____</p>	<p>I hereby certify that the above information is true and correct to the best of my knowledge.</p> <p>Signature: _____</p> <p>Print Initials: _____</p> <p>Firm: _____</p>
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NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.