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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

TRIAD
ENGINEERING
INCORPORATED

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.

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 casting 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.

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

Sincerely,

TRIAD ENGINEERING, INC.

Richard J. Binder
Hydrogeologist/Project Manager

TRIAD ENGINEERING, INC.

Jeanne M. Ramponi
Hydrogeologist

RJB:sk

Enclosure

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

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	82147	83002	81332	82084	81332	82147	82147	83002	83002	81332	82147	83002	81332	82147	83002		
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	46	< 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	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	0.6	< 0.8	< 0.8	1.0	< 8	9.5	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

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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

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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

11013TBL3

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	PAL**
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/1 (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

11013TBL5

TABLE 6
SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES
SITE MP-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	12/15/92	03/25/93 03/26/93	06/17/93	12/15/92	03/25/93 03/26/93	03/25/93 03/26/93	06/17/93	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

11013TBL6A

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	06/16/93	12/22/92	03/24/93 03/26/93	06/16/93	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	< 0.6	< 0.8	0.9	< 0.6	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

11013TBL6A

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	PAL**
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

11013TBL7A

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	< 0.6	< 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	< 0.6	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	< 0.6	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	< 0.6	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	68.6
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 CONSTITUTENTS 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

11013T8L8

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	< 0.6	< 0.6	<12	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	0.6	< 0.6	< 0.6	< 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	< 0.6	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

11013TBL9C

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

PARAMETER	MW-27B	MW-27B	MW-27B[1]	MW-27B	MW-72[1]	MW-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	PAL**
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
[1] Field Duplicate Sample

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

11013TBL9C

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	<0.6	< 0.8	< 0.8	<0.6	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	<0.6	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	<0.6	< 0.9	< 0.9	<0.6	*	*
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

11013TBL9C

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			Slt. Diesel	Slt. 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:
Jeanne 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.		

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: 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)

DNR #	Analyte	SEI ID Sample ID	5939-1 MW-29	5939-2 MW-29A
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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ANALYTICAL REPORT

REPORT NUMBER: B3002

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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)

DNR #	Analyte	SEI ID Sample ID	5939-1 MW-29	5939-2 MW-29A
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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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)

DNR #	Analyte	SEI ID Sample ID	5939-1 MW-29	5939-2 MW-29A
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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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)

DNR #	Analyte	SEI ID Sample ID	5939-3 MW-30	5939-4 MW-31
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)

DNR #	Analyte	SEI ID Sample ID	5939-3 MW-30	5939-4 MW-31
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

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)

DNR #	Analyte	SEI ID Sample ID	5939-3 MW-30	5939-4 MW-31
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

ORIGINAL

SWANSON ENVIRONMENTAL INC.

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Brookfield, Wisconsin 53045
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FAX (414) 783-5752

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: 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)

DNR #	Analyte	SEI ID Sample ID	5939-5 MW-34R	5939-6 MW-36A
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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DATE: June 25, 1993
PURCHASE ORDER:
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DATE ANALYZED: 06/16/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-5 MW-34R	5939-6 MW-36A
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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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)

DNR #	Analyte	SEI ID Sample ID	5939-5 MW-34R	5939-6 MW-36A
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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PURCHASE ORDER:
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DATE ANALYZED: 06/16/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-7 MW-38	5939-8 MW-83
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 ANALYZED: 06/16/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	5939-7 MW-38	5939-8 MW-83
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)

DNR #	Analyte	SEI ID / Sample ID	5939-7 MW-38	5939-8 MW-83
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		9.9	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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DATE ANALYZED: 06/16/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	5939-9 MW-40	5939-10 MW-41
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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DATE COLLECTED: 06/15/93
DATE RECEIVED: 06/16/93
DATE ANALYZED: 06/16/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-9 MW-40	5939-10 MW-41
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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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)

DNR #	Analyte	SEI ID Sample ID	5939-9 MW-40	5939-10 MW-41
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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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)

DNR #	Analyte	SEI ID / Sample ID	5939-11 MW-11A	5939-12 MW-11B
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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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)

DNR #	Analyte	SEI ID Sample ID	5939-11 MW-11A	5939-12 MW-11B
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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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)

DNR #	Analyte	SEI ID Sample ID	5939-11 MW-11A	5939-12 MW-11B
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

ORIGINAL

SWANSON ENVIRONMENTAL INC.

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

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: 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)

DNR #	Analyte	SEI ID Sample ID	5939-13 MW-12	5939-14 MW-28
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)

DNR #	Analyte	SEI ID Sample ID	5939-13 MW-12	5939-14 MW-28
EPA Method 8021				
34536	1,2-Dichlorobenzene		<0.5	<0.5
34566	1,3-Dichlorobenzene		<0.5	<0.5
34571	1,4-Dichlorobenzene		<0.6	<0.6
34668	Dichlorodifluoromethane		<0.5	<0.5
34496	1,1-Dichloroethane		<0.6	<0.6
32103	1,2-Dichloroethane		<0.5	<0.5
34501	1,1-Dichloroethene		<0.5	<0.5
77093	cis-1,2-Dichloroethene		<0.6	<0.6
34546	trans-1,2-Dichloroethene		<0.7	<0.7
34541	1,2-Dichloropropane		<0.5	<0.5
77173	1,3-Dichloropropane		<0.5	<0.5
77170	2,2-Dichloropropane		<0.7	<0.7
77168	1,1-Dichloropropene		<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5
34391	Hexachlorobutadiene		<0.7	<0.7
77223	Isopropylbenzene		<0.5	<0.5
77356	p-Isopropyltoluene		<0.5	<0.5
34423	Methylene chloride		<2.0	<2.0
34696	Naphthalene		<0.7	<0.7

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DATE ANALYZED: 06/16&17/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-13 MW-12	5939-14 MW-28
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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DATE ANALYZED: 06/17/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-15 MW-26	5939-16 MW-27B
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: 06/17/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-15 MW-26	5939-16 MW-27B
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)

DNR #	Analyte	SEI ID Sample ID	5939-15 MW-26	5939-16 MW-27B
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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DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-17 MW-72	5939-18 MW-27
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
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&21/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-17 MW-72	5939-18 MW-27
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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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	5939-17 MW-72	5939-18 MW-27
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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DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-19 MW-27D	5939-20 MW-27E
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&21/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-19 MW-27D	5939-20 MW-27E
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

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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	5939-19 MW-27D	5939-20 MW-27E
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

ORIGINAL

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: 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)

DNR #	Analyte	SEI ID / Sample ID	5939-21 MW-27C	5939-22 MW-27A
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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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)

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
34496	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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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)

DNR #	Analyte	SEI ID Sample ID	5939-21 MW-27C	5939-22 MW-27A
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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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)

DNR #	Analyte	SEI ID Sample ID	5939-23 Trip Blk
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: 06/16/93
DATE ANALYZED: 06/18&21/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5939-23 Trip Blk
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: 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	5939-23 Trip Blk
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

ORIGINAL

573

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
11013	CHRYSLER CORP.

SAMPLERS: J. RAMPONI, R. KRAMER

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOC (EPA METHOD 8021)	SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
1	-	6-15-93	1200		✓	MW-29	2	✓	GROUNDWATER
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	✓	

1/2

SAMPLE CONDITION: Preserved with HCL, on Ice

Rich Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME	SPECIAL REQUESTS:
Richard J. Binder	6/16/93 18:12	C. Dunst	6/16/93 8:57 am	
RECEIVED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME	REPORT TO:
C. Dunst	6/16/93 18:12 am	L. Herlihy	6/16/93 8:57 AM	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.

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
11013	CHRYSLER CORP.

SAMPLERS: R. KRAMER, J. RAMPONI.

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOC (EPA METHOD 8021)	SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
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~~							
23	-	6-15-93				TRIP BLANKS.	4/~~2~~	✓	

2/2

SAMPLE CONDITION: Preserved w HCL, on Ice

R. on Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME	SPECIAL REQUESTS:
Richard J. Binder	6/16/93 8:12	C. Dunst	6/16/93 8:53 am	
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**	**REPORT TO:**
C. Dunst	6/16/93 8:12 am	L. Lutz	6/16/93 8:53 AM	NAME: RICK BINDER ADDRESS: TRIAD ENGINEERING PHONE: 291-8840

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
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SWANSON ENVIRONMENTAL INC.

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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

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

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

ORIGINAL

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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)

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)

DNR #	Analyte	SEI ID Sample ID	5999-1 MW-21	5999-2 MW-14	5999-3* MW-21A
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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REPORT NUMBER: B3092

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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)

DNR #	Analyte	SEI ID Sample ID	5999-1 MW-21	5999-2 MW-14	5999-3* MW-21A
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	73
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

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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)

DNR #	Analyte	SEI ID Sample ID	5999-1 MW-21	5999-2 MW-14	5999-3* MW-21A
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.

ORIGINAL

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
DATE ANALYZED: 06/22/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5999-4 MW-16	5999-5 MW-61	5999-7 MW-16A
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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ANALYTICAL REPORT

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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)

DNR #	Analyte	SEI ID Sample ID	5999-4 MW-16	5999-5 MW-61	5999-7 MW-16A
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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DATE: July 7, 1993
PURCHASE ORDER:
SEI NO: WL5999
DATE COLLECTED: 06/17/93
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DATE ANALYZED: 06/22/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	5999-4 MW-16	5999-5 MW-61	5999-7 MW-16A
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)

DNR #	Analyte	SEI ID Sample ID	5999-9 Trip Blk
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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Milwaukee, WI 53202

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SEI NO: WL5999
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DATE RECEIVED: 06/18/93
DATE ANALYZED: 06/22/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5999-9 Trip Blk
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 RECEIVED: 06/18/93
DATE ANALYZED: 06/22/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5999-9 Trip Blk
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
Projects Coordinator

ORIGINAL

~ⅰⅰ /

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
11013	CHRYSLER CORP.

SAMPLERS: R. KRAMER, J. RAMPONI

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC EPA method 8021	CYANIDE EPA NO. 335.2	BTEX EPA NO. 8020	GRO WI DNR					SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
1		6-17-93	0918		✓	mw-21	2	✓								GROUNDWATER
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: VOC SAMPLES preserved w/ HCL; cyanide samples, field filtered. [initials]; BTEX sample preserved w/ HCL

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
[signature]	6/17/93 4:10 pm	C. Durst	6/18 8:41 am
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
C. Durst	6/18/93 7:37 am	Gary E Barry	6-18 1081

SPECIAL REQUESTS:

REPORT TO:

NAME: RICK BINDER

ADDRESS: Triad Engineering, Inc. 325 E. Chicago street Milwaukee, WI 53202

PHONE: 291 ~~281~~ -8840

LABORATORY
3150 North Brookfield Rd.
Brookfield, WI 53045
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SWANSON ENVIRONMENTAL INC.

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
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ANALYTICAL REPORT

WDNR Certification #268181760

REPORT NUMBER: B5972
AMENDED 06/29/93

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

RECEIVED JUN 30 1993

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

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

ORIGINAL

SWANSON ENVIRONMENTAL INC.

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

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B5972

RECEIVED JUN 28 1993

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

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

ORIGINAL

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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)

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

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

ORIGINAL

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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

Units: mg/l (ppm)

DATE EXTRACTED
DRO - 06/17/93

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

		SEI ID	5972-11
		Sample ID	Sump 2
DNR #	Analyte	PQL	
	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

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)

DNR #	Analyte	SEI ID Sample ID	5972-1 MW-17	5972-2 MW-19
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

ORIGINAL

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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)

DNR #	Analyte	SEI ID Sample ID	5972-1 MW-17	5972-2 MW-19
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

ORIGINAL

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: 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)

DNR #	Analyte	SEI ID Sample ID	5972-1 MW-17	5972-2 MW-19
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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ANALYTICAL REPORT

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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)

DNR #	Analyte	SEI ID Sample ID	5972-3 MW-18B	5972-4 MW-18A
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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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)

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

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

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

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-5[b] MW-20	5972-6[c] MW-18D
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
77350	sec-Butylbenzene		<20	<4
77353	tert-Butylbenzene		<12	<2
32102	Carbon tetrachloride		<12	<2
34301	Chlorobenzene		<12	<2
34306	Chlorodibromomethane		<12	<2
34311	Chloroethane		23	<2
32106	Chloroform		<12	<2
34418	Chloromethane		<12	<2
77275	2-Chlorotoluene		<12	<2
77277	4-Chlorotoluene		<12	<2
38437	1,2-Dibromo-3-chloropropane		<12	<2
77651	1,2-Dibromoethane		<12	<2
77596	Dibromomethane		<12	<2

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DATE ANALYZED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-5[b] MW-20	5972-6[c] MW-18D
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-Dichloropropene		<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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DATE ANALYZED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-5[b] MW-20	5972-6[c] MW-18D
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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DATE ANALYZED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-7[d] MW-18	5972-8[d] MW-81
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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DATE ANALYZED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-7[d] MW-18	5972-8[d] MW-81
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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Attn: Mr. Rick Binder
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DATE: June 25, 1993
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SEI NO: WL5972
DATE COLLECTED: 06/16/93
DATE RECEIVED: 06/17/93
DATE ANALYZED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-7[d] MW-18	5972-8[d] MW-81
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.

ORIGINAL

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ANALYTICAL REPORT

REPORT NUMBER: B5972

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

RECEIVED JUL 21 1993

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)

DNR #	Analyte	SEI ID Sample ID	5972-12[b] MW-18C	5972-13[d] MW-11
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
34418	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

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-12[b] MW-18C	5972-13[d] MW-11
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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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-12[b] MW-18C	5972-13[d] MW-11
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.

ORIGINAL

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: 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)

DNR #	Analyte	SEI ID Sample ID	5972-9 MW-43	5972-10[b] MW-25
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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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)

DNR #	Analyte	SEI ID Sample ID	5972-9 MW-43	5972-10[b] MW-25
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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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)

DNR #	Analyte	SEI ID Sample ID	5972-9 MW-43	5972-10[b] MW-25
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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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: 06/14/93
DATE RECEIVED: 06/17/93
DATE ANALYZED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-14 Trip Blk
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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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: 06/14/93
DATE RECEIVED: 06/17/93
DATE ANALYZED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-14 Trip Blk
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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SWANSON ENVIRONMENTAL INC.

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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: 06/14/93
DATE RECEIVED: 06/17/93
DATE ANALYZED: 06/18/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5972-14 Trip Blk
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

ORIGINAL

SEI #4

CHA[redacted]OF STO[redacted] RE[redacted]RD

PROJ. NO. 11013

PROJECT NAME CHRYSLER CORP.

SAMPLERS: R. KRAMER, J. RAMPONI

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC (EPA method 8021)	CYANIDE (EPA 335.2)	BETX (8020)	GRO (WI DNR)	DRO (Per Rick Binder 1/7/0854)				SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
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 ✓	3		.	✓	✓	(2)				↓
12	–	6-16-93	1400		✓	mw-18C	3	✓	✓	.						↓
13	–	6-16-93	1420		✓	mw-11	2	✓								↓

SAMPLE CONDITION: 6/17 ~~VOC samples preserved w/ HCl TRIP BLK~~
cyanide samples field filtered
BTEX, GRO preserved w/HCL
Run Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
Richard J. Binder	6/17/93 8:07	C. Dunst	6/17/93 8:57 am
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
C. Dunst	6/17/93 8:07 am	L. Doolin	6/17/93 8:57 Am

SPECIAL REQUESTS:

REPORT TO: Richard J. Binder
NAME: Triad Engineering, Inc.
ADDRESS: 325 East Chicago Street, Milwaukee, WI 53202
PHONE: (414) 291-8840

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

SWANSON ENVIRONMENTAL INC.

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

SWANSON ENVIRONMENTAL INC.

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

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'
DNR #	Analyte	PQL	
WDNR Modified Method DRO			
78919	DRO	1	<1

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SWANSON ENVIRONMENTAL INC.

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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
DATE ANALYZED: 06/14/93

Matrix: Soil
Source: Chrysler

Units: mg/kg (ppm)

DNR #	Analyte	SEI ID Sample ID	5808-1 MW-44 5-7'
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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ANALYTICAL REPORT

REPORT NUMBER: B2895

Triad Engineering, Inc.
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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)

DNR #	Analyte	SEI ID Sample ID	5808-1 MW-44 5-7'
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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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)

DNR #	Analyte	SEI ID Sample ID	5808-1 MW-44 5-7'
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

ORIGINAL

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
11013	TRIAD. Chrysler Corporation

SAMPLERS: J. Ramponi

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOCs (8021)	DRO *	TRPH *	SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
1	MW-44	6-4-93	1145		X	monitor well 44 5-7' depth	4	X	X	X	Soil

* WDNR Modified Method

SAMPLE CONDITION: Rain Ice

SAMPLE LOCATION: 1-DRO-TOM 1-4g ⇒ D
1-4g ⇒ VOA
1-4g ⇒ WEB

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME	SPECIAL REQUESTS:
Jean M. Rupp	6/7/93 8:08 am	C. Dumont	6/7 942 1 am	
RECEIVED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME	
C. Dumont	6/7/93 8:08 am	L. Dorlin	6/7/93 942 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:	
pH:	Schott #819
Conductivity:	Myron L pDS Meter #032456E
Temperature:	Ashcroft

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.			

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: 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)

DNR #	Analyte	SEI ID / Sample ID	5866-1 / MW-44
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

ORIGINAL

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: B2876

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

Attn: Mr. Rick Binder
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DATE: June 17, 1993
PURCHASE ORDER:
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DATE COLLECTED: 06/09/93
DATE RECEIVED: 06/10/93
DATE ANALYZED: 06/14/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	5866-1 MW-44
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

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325 East Chicago Street
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DATE: June 17, 1993
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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)

DNR #	Analyte	SEI ID / Sample ID	5866-1 / MW-44
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

ORIGINAL

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: 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
DNR #	Analyte	PQL	
	WDNR Modified Method DRO		
78919	DRO	0.05	<0.05
	WDNR Modified Method EPA 9073		
00083	TRPH	1	<1

ORIGINAL

[redacted] 5860

CHAIN OF CUSTODY RECORD [redacted]

PROJ. NO.	PROJECT NAME
	TRIAD ENGINEERING - 11013

SAMPLERS: R. Kraemer, J. Selden — CHRYSLER

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs (8021)	DRO	TRPH						SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
1	MW-44	6/9	1230		1	MW-44	3	X								Gndwtr
1	MW-44	6/9	1230		1	MW-44	1		X							Gndwtr
1	MW-44	6/9	1230		1	MW-44	1			X						Gndwtr

SAMPLE CONDITION: Rec on Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
R. Kraemer	6/9, 1600	J M Raspini	6/10/93 10:30 A.M.

RECEIVED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
J. Raspini	6/9, 1600	L. Dolan	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

State of Wisconsin
Department of Natural Resources

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

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Chrysler Corporation		MW-44

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Soils and Engineering Services, Jim Patterson	6/4/93	6/4/93	HSA 4.25" ID

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

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

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

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

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				0-0.5 feet	ASPHAL									
				0.5-1 feet Gravel	GW									
1	18	3 3 3 3	1 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						
2	18	1 1 2 2	3 4					0						
3	22	2 3 4 4	5 6	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						
4	20	4 5 5 7	7 8	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	24	5 6 6 8	9 10	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	14	5 5	11 12	11-20 feet Silt, gray (10 YR 6/1) to brown (10 YR 6/3), medium dense,	ML			0.5						

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

Signature: Jean M. Rapp

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

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

State of Wisconsin
Department of Natural Resources

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

Boring Number **MW-44** Use only as an attachment to Form 4400-122. Page 2 of 2

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-9(

Facility/Project Name: Chrysler Corporation	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-44
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ ____ ____ Long. ____ ____ ____ or	Wis. Unique Well Number / DNR Well Number: _____ / _____
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 06/04/93 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: SW 1/4 of SE 1/4 of Sec. 36, T. 2 N, R. 22 ☒ E. ☐ W.	Well Installed By: (Person's Name and Firm) Soils and Engineering Services - Jim, AI
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☒ Not Known	

A. Protective pipe, top elevation 624.64 ft. MSL
B. Well casing, top elevation 624.29 ft. MSL
C. Land surface elevation 624.64 ft. MSL
D. Surface seal, bottom 623.6 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

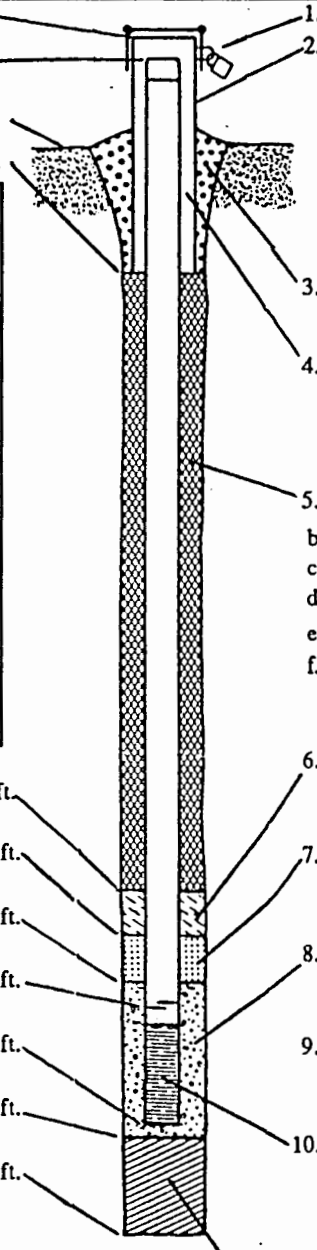
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ___ _____

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

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

17. Source of water (attach analysis):
_____

E. Bentonite seal, top 623.6 ft. MSL or 1.0 ft.
F. Fine sand, top 621.6 ft. MSL or 3.0 ft.
G. Filter pack, top 620.6 ft. MSL or 4.0 ft.
H. Screen joint, top 619.6 ft. MSL or 5.0 ft.
I. Well bottom 609.6 ft. MSL or 15.0 ft.
J. Filter pack, bottom 604.6 ft. MSL or 20.0 ft.
K. Borehole, bottom 604.6 ft. MSL or 20.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.0 in.
N. I.D. well casing 1.91 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; Other ☐ ___ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ___ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ ___; Other ☐ ___ _____
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. .65 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining Corp. Silica Sand
b. Volume added .33 ft³
8. Filter pack material: Manufacturer, product name and mesh siz
a. Red Flint Filter Sands and Gravels 35
b. Volume added 5.3 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ___ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ___ _____
b. Manufacturer Johnsons
c. Slot size: 0.10 in
d. Slotted length: 9.9 ft
11. Backfill material (below filter pack): None ☒ 14; Other ☐ ___ _____

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

Signature: Jim M. Rupp | Firm: Trio Engineering Inc.

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

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

Facility/Project Name	County Name	Well Name

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

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

2. Well development method

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

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

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

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

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

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

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

9. Source of water added _____

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

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

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

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

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: _____

Firm: _____

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

Signature: _____

Print Initials: _ _ _

Firm: _____

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

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	

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 4-90

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

Facility/Project Name	County Name	Well Name
Chrysler	Kenosha	MW-44

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 130 min.

4. Depth of well (from top of well casisng) 14.3 ft.

5. Inside diameter of well 2.00 in.

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

7. Volume of water removed from well 40.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 9.29 ft.	9.00 ft.
Date	b. 06/08/93 (m m d d y y)	06/09/93 (m m d d y y)
Time	c. 04:00 ☐ a.m. ☒ p.m.	12:25 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	2.4 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe)	Clear ☐ 20 Turbid ☑ 25 (Describe) Sediment evident in development water Quality varied during development.

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: Randal J. Kraemer

Firm: Triad Engineering Inc.

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

Signature: _____

Print Initials: ___

Firm: _____

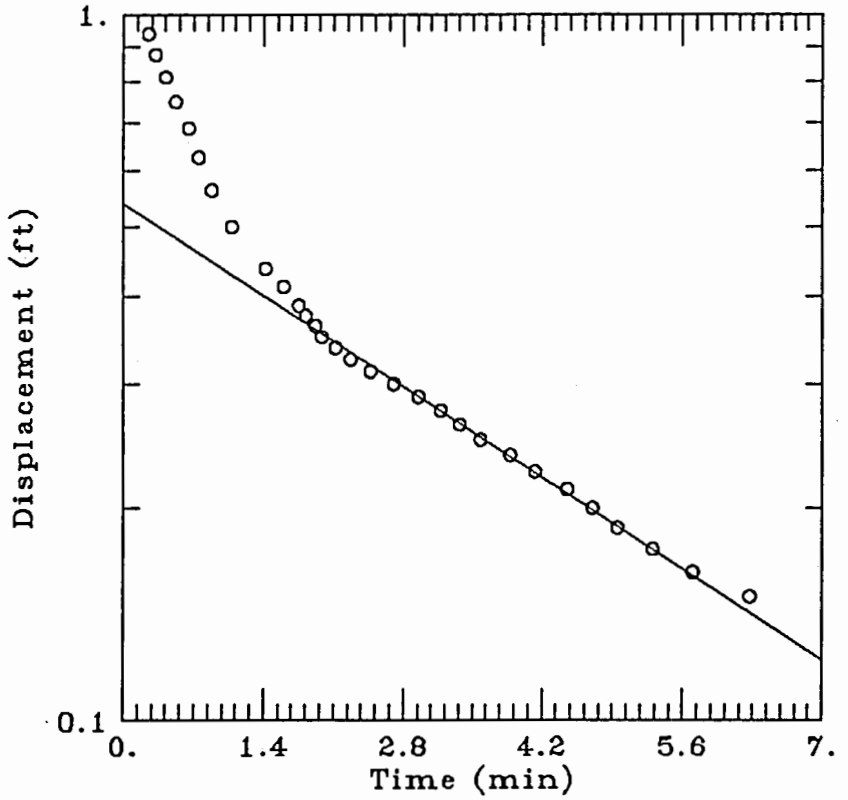
NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

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
08/03/93

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
June 9,1993
OBS. WELL:
MW 44

ESTIMATED PARAMETERS:
K = 0.0001364 ft/min
y0 = 0.54 ft

TEST DATA:
H0 = 4. ft
rc = 0.083 ft
rw = 0.333 ft
L = 10. ft
b = 99. ft
H = 6. ft

ATTACHMENT D

MONITOR WELL MW-1 ABANDONMENT DOCUMENTATION

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 12-91

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

Well/Drillhole/Borehole Location

County: Kenosha

SW 1/4 of SE 1/4 of Sec. 36 ; T. 2 N; R. 22 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location: 219551.9290 ft. ☒ N. ☐ S., 2580284.9 ft. ☒ E. ☐ W.

Civil Town Name

Street Address of Well: 30th Avenue

City, Village: Kenosha

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Chrysler Corporation

Street or Route: 5555 30th Ave

City, State, Zip Code: Kenosha, WI. 53144

Facility Well No. and/or Name (If Applicable): MW-1

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: no longer needed for hydraulic control

Date of Abandonment: 6-8-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 5-22-89

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) overdrilled/grouted

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12.5 Casing Diameter (ins.) 2"
(From groundsurface)

Casing Depth (ft.) 12.5

Was Well Annular Space Grouted? ☒ Yes ☐ No ☐ Unknown
If Yes, To What Depth? 13 Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☒ Yes	☐ No
If Yes, Was Hole Retopped?	☒ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) Tremie

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☒ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Cement / Bentonite / Water Grout	Surface	13.0	Ratio:	water / cement / L 7.5 gal 80 lb 1.5
				½ bag Bentonite granules
				bags cement

(8) Comments: _____

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

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

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

ATTACHMENT E

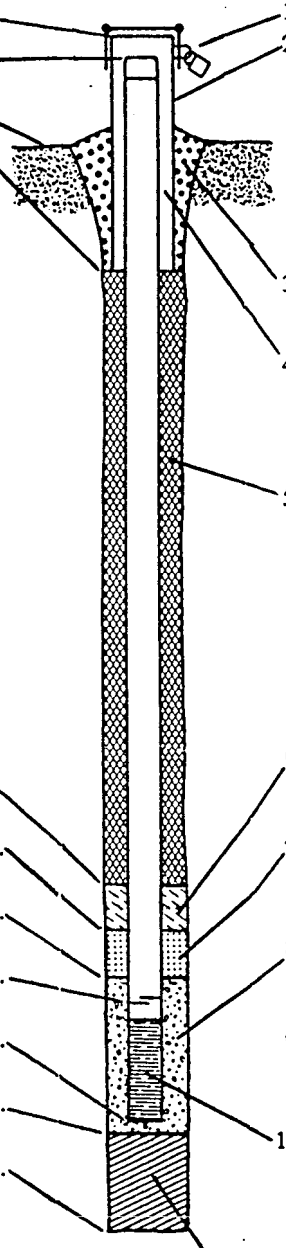
MW-11A
REPAIR/CONSTRUCTION MODIFICATION DOCUMENTATION

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name: Chrysler Corporation	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-11A
Facility License, Permit of Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: _____ DNR Well Number: _____
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane 221500.4161 ft. N, 2581139.3106 ft. E.	Date Well Installed: 06/08/93 (m m d d y y)
Distance Well Is From Waste/Source Boundary: UNKNOWN ft.	Section Location of Waste/Source: SW 1/4 of SE 1/4 of Sec. 36, T. 2 N, R. 22 ☒E. ☐W.	Well Installed By: (Person's Name and Firm) Soils and Engineering Services, Jim Patterson.
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	



A. Protective pipe, top elevation 624.82 ft. MSL
B. Well casing, top elevation 624.52 ft. MSL
C. Land surface elevation 624.82 ft. MSL
D. Surface seal, bottom 621.8 ft. MSL or 3.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

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

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

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

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 0.0 ft.
F. Fine sand, top 621.8 ft. MSL or 3.0 ft.
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.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; Other ☐ ___
Flush.
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ___
_____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ ___; Other ☐ ___
_____
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 1.0 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☒1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining Corp. VV #40
b. Volume added 0.2 ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint 30
b. Volume added 3.7 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ___
_____
10. Screen material: PVC schedule 40 ___
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ___
_____
b. Manufacturer Diedrich
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ ___
_____

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

Signature	Firm
Jean M. Rupp	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 ons. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 4-90

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

Facility/Project Name	County Name	Well Name

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

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

2. Well development method

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

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

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

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

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

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

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

9. Source of water added _____

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

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

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

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

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: _____

Firm: _____

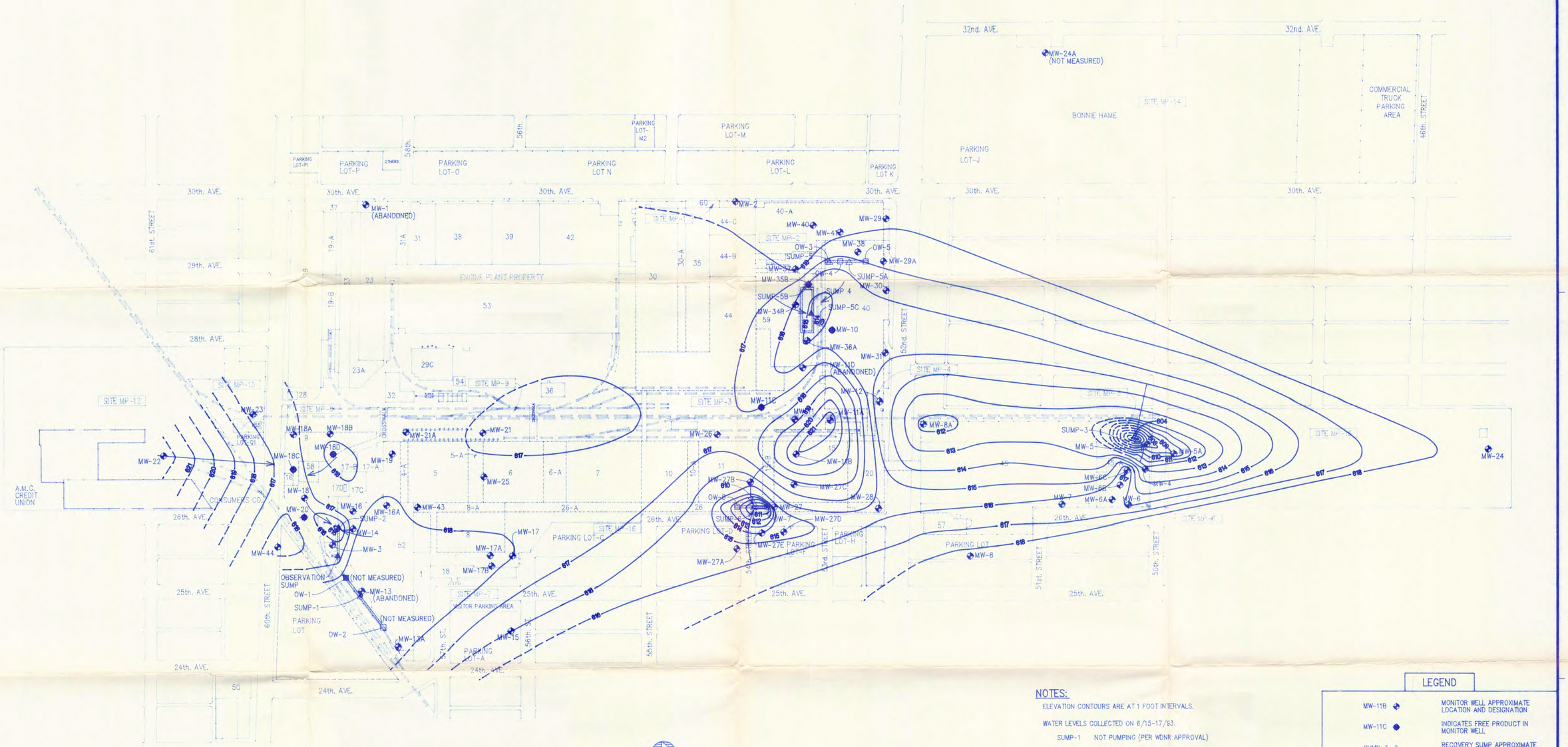
I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: _____

Print Initials: _ _ _

Firm: _____

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



NORTH

APPROX. SCALE
1"= 200'

NOTES:

ELEVATION CONTOURS ARE AT 1 FOOT INTERVALS.

WATER LEVELS COLLECTED ON 6/15-17/93.

SUMP-1 NOT PUMPING (PER WDNR APPROVAL)
SUMP-4 NOT PUMPING (PARTIAL RECOVERY)
SUMP-5 NOT PUMPING (PARTIAL RECOVERY)
SUMP-6 NOT PUMPING (PARTIAL RECOVERY)

LEGEND

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

VERIFY SCALE	DSGN	J.M.RAMPONI					
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	DR	L.J.STANTON					
	CHK	R.J.BINDER					
	APVD	D.S.VOIGHT	NO.	DATE	REVISION	BY	APVD

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

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

SHEET NO.	1
DWG. NO.	11013-10
DATE	7/30/93
PROJ NO.	11013