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KENOSHA CO.

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GROUNDWATER MONITORING REPORT MARCH 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

MAY 1993

TRIAD ENGINEERING INCORPORATED

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

TRIAD
ENGINEERING
INCORPORATED

May 24, 1993

Mr. Gregory M. Rose
Deactivation Environmental Specialist
Environmental and Energy Affairs
Chrysler Corporation
12000 Chrysler Drive, CIMS 416-15-14
Highland Park, MI 48288-1919

Subject: **Groundwater Monitoring Report**
March 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 March 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,
- Computer Automated Summary Tables, and
- Isoconcentration Maps.

Water Table Map

Groundwater elevation measurements collected between March 24-26, 1993, were contoured to assess groundwater flow directions across the site and in the vicinity of the groundwater recovery systems. 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. Sump 2 was not operating at the time of water level measurements due to freezing of the sump discharge line. The discharge line has since been repaired and the sump reactivated. Sump 4 was not operating at the time of water level measurements due to malfunction of the drawdown pump. This pump has been repaired and the sump reactivated.

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Groundwater Sampling

Groundwater samples were collected from 37 monitoring wells between March 24-26, 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.

Computer Automated Summary Tables

The groundwater quality results from the last quarterly sampling event 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.

Isoconcentration Maps

Isoconcentration maps for benzene, trichloroethene, and vinyl chloride (Drawings 2 through 4) were prepared by utilizing the current round of analytical results (or historical data if the well or sump was not sampled during the current round). These isoconcentration maps (Drawings 2-4) will enable an assessment of existing site conditions relative to existing and proposed groundwater recovery system locations.

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.

Robert A. Schneiker
Geologist/Geophysicist

RJB:slr
Enclosure
11013\11013-A

cc: Jack Bugno, Chrysler Kenosha
Dave Voight, Triad
Ed Manning, Triad

TABLE 1
MARCH 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	X			
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.
OW-3				Proposed observation well, water/product level only.
OW-4				Proposed observation well, water/product level only.
				North Area/Site MP-3
MW-11	X			
MW-11A				Well damaged, not 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
MARCH 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-16	X		X	
MW-16A	X		X	
MW-17	X		X	
MW-43	X		X	
OW-1				Water/product level only.
OW-2				Water/product level only.
Sump-1				Water/product level only.
South Area/Site MP-8				
MW-3				Possible future use/closeout.
MW-18	X		X	
MW-18A	X			
MW-18B	X			
MW-18C	X		X	
MW-18D	X		X	
MW-19	X		X	
MW-20	X		X	
Sump-2				Water/product level only. Sump discharge sampled bi-monthly.
Obsrv. Sump				Water/product level only.

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

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

Well Number	VOCs (8021)[1]	BTEX (8020)[1]	Cyanide* (335.2)[1]	Comments
North Area/Site MP-9				
MW-21	X			
MW-21A	X			
South Area/Site MP-12				
MW-22				Water level only. Well to be abandoned pending WDNR AST closeout.
South Area/Site MP-13				
MW-23				Water level only.
North Area/Site MP-14 (Bonnie Hame Property)				
MW-24A				Water level only. Well to be abandoned per WDNR approval.
North Area/Site MP-15 (North Receiving Lot)				
MW-5A				Water level only. Well to be abandoned per WDNR approval.
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				
OW-5				
OW-6				
Engine Plant Property				
MW-1				Water level only. Well to be abandoned per WDNR approval.
Quality Control				
Well Total	37		10	
Trip Blanks	1			
Quality Control Total	1			

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

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

PARAMETERS	MW-29	MW-29	MW-29A	MW-29A	MW-30	MW-30	MW-31	MW-31	MW-34R	MW-36A	MW-36A	NR 140	
DATE	12/21/92	03/25/93	12/21/92	03/25/93	12/21/92	03/25/93	12/21/92	03/25/93	12/21/92	12/21/92	03/25/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBER	B1332	B2147	B1332	B2147	B1332	B2147	B1332	B2147	B1332	B1332	B2147		
VOLATILE ORGANIC COMPOUNDS													
Benzene	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	5	.067
TERT-Butylbenzene	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	2.0	< 1.5	1.5	< 1.5	< 1.5	1.7	*	*
Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	50	33	400	80
Dichlorodifluoromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	*	*
1,1-Dichloroethane	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	850	85
1,1-Dichloroethene	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	7	0.024
CIS-1,2-Dichloroethene	< 1.5	< 1.0	< 1.5	< 1.0	< 1.5	< 1.0	2.2	2.5	< 1.5	12	7	100	10
TRANS-1,2-Dichloroethene	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	100	20
Methylene Chloride	< 2.1	2.6	< 2.1	< 2.1	< 2.1	5.1	< 2.1	7.0	< 2.1	4.1	< 2.1	150	15
Toluene	< 0.7	1.0	1.7	1.0	1.9	0.9	1.9	0.9	< 0.7	2.3	0.9	343	68.6
1,1,1-Trichloroethane	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	200	40
Trichloroethene	2.5	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1.4	< 0.8	< 0.8	< 0.8	5	0.18
1,3,5-Trimethylbenzene	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	*	*
Vinyl Chloride	< 0.7	< 0.7	0.9	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	16	4.5	0.2	0.0015
O-Xylene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	*	*
M&P-Xylene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	*	*
Xylenes (Total)***	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	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

813TAB2AA

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

PARAMETER	MW-37	MW-37	MW-38	MW-38	MW-38D (duplicate)	MW-40	MW-40	MW-41	MW-41	NR 140	
DATE	12/21/92	03/26/93	12/21/92	03/25/93	03/25/93	12/21/92	03/25/93	12/21/92	03/25/93	Enforcement Standard	PAL**
REPORT	B1332	B2084	B1332	B2147	B2147	B1332	B2147	B1332	B2147	*	*
VOLATILE ORGANIC COMPOUNDS											
Benzene	< 0.6	0.9	< 0.6	< 0.6	< 6	< 0.6	0.6	< 0.6	0.8	5	.067
TERT-Butylbenzene	< 1.5	< 1.5	< 1.5	< 1.5	< 15	< 1.5	1.7	< 1.5	< 1.5	*	*
Chloroethane	< 1.0	< 1.0	33	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	400	80
Dichlorodifluoromethane	< 1.0	< 1.0	< 1.0	< 10	< 10	20	< 1.0	< 1.0	20	*	*
1,1-Dichloroethane	< 0.8	1.3	220	73	76	16	1.1	< 0.8	6.8	850	85
1,1-Dichloroethene	< 1.3	< 1.3	< 1.3	< 13	< 13	< 1.3	< 1.3	< 1.3	< 1.3	7	0.024
CIS-1,2-Dichloroethene	< 1.5	< 1.0	320	270	270	< 1.5	5.8	< 1.5	< 1.0	100	10
TRANS-1,2-Dichloroethene	< 1.2	< 1.2	20	17	17	< 1.2	< 1.2	< 1.2	< 1.2	100	20
Methylene Chloride	< 2.1	< 2.1	< 2.1	< 21	< 21	< 2.1	4.0	< 2.1	< 2.1	150	15
Toluene	< 0.7	< 0.7	1.7	8.1	8.2	1.6	< 0.7	< 0.7	0.8	343	68.6
1,1,1-Trichloroethane	< 0.8	< 0.8	1.0	< 8	9.5	2.9	1.0	< 0.8	1.7	200	40
Trichloroethene	< 0.8	< 0.8	23	26	29	2.8	0.8	< 0.8	2.3	5	0.18
1,3,5-Trimethylbenzene	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	*	*
Vinyl Chloride	< 0.7	< 0.7	460	210	240	< 0.7	6.7	< 0.7	0.9	0.2	0.0015
O-Xylene	< 1.0	< 1.0	< 1.0	< 10	< 10	< 1.0	1.0	< 1.0	< 1.0	*	*
M&P-Xylene	< 1.0	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	1.0	*	*
Xylenes (Total)***	ND	ND	ND	ND	ND	ND	ND	ND	ND	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

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

PARAMETER	MW-11	MW-11	MW-11B	MW-11B	MW-11C	NR 140	
DATE	12/21/92	03/26/93	12/21/92	03/24/93	03/26/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBER	B1332	B2084	B1332	B2102	B2084		
VOLATILE ORGANIC COMPOUNDS							
Benzene	68	82	< 0.6	< 0.6	0.7	5	.067
N-Butylbenzene	6.0	< 27	< 1.1	< 1.1	1.7	*	*
Chloroethane	< 1.0	< 25	< 1.0	< 1.0	65	400	80
1,1-Dichloroethane	< 0.8	< 20	< 0.8	< 0.8	3.4	850	85
CIS-1,2-Dichloroethene	2.6	< 37	< 1.5	< 1.0	1.8	100	10
TRANS-1,2-Dichloroethene	< 1.2	< 30	< 1.2	< 1.2	2.4	100	20
Ethylbenzene	510	460	< 0.5	< 0.5	< 0.5	1360	272
Isopropylbenzene	1.2	27	< 0.6	< 0.6	< 0.6	*	*
P-Isopropyltoluene	< 0.7	< 17	< 0.7	< 0.7	0.9	*	*
Methylene Chloride	< 2.1	100	2.7	< 2.1	2.6	150	15
N-Propylbenzene	35	< 22	< 0.9	< 0.9	< 0.9	*	*
Toluene	19	48	1.9	< 0.7	0.7	343	68.6
Trichloroethene	2.9	< 20	< 0.8	< 0.8	< 0.8	5	0.18
1,2,4-Trimethylbenzene	64	69	< 1.0	< 1.0	1.8	*	*
1,3,5-Trimethylbenzene	94	100	< 0.8	< 0.8	1.3	*	*
Vinyl Chloride	< 0.7	< 17	< 0.7	< 0.7	0.8	0.2	0.0015
O-Xylene	17	45	< 1.0	< 1.0	< 1.0	*	*
M&P-Xylene	1100	1100	< 1.0	< 1.0	< 1.0	*	*
Xylenes (Total)***	1117	1145	ND	ND	ND	620	124

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
*** Sum of O-Xylene and M&P-Xylene
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
ND Not Detected

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

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

PARAMETER	MW-12	MW-12	NR 140	
DATE	12/21/92	03/25/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBER	B1332	B2147		
VOLATILE ORGANIC COMPOUNDS				
TERT-Butylbenzene	< 1.5	1.7	*	*
Toluene	1.7	0.8	343	68.6
O-Xylene	< 1.0	1.1	*	*
Xylenes (Total)***	ND	1.1	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
Laboratory analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, Certification #268181760
ND Not Detected

SUMMARY OF DETECTED CONSTITUENTS IN
GROUNDWATER SAMPLES
SITE MP-5

PARAMETER	MW- 5	MW- 5	NR 140	
DATE	12/23/92	03/26/93	Enforcement Standard	PAL**
REPORT	B1332	B2084		
VOLATILE ORGANIC COMPOUNDS				
Benzene	68	110	5	.067
N-Butylbenzene	2.5	< 1.1	*	*
TERT-Butylbenzene	2.4	< 1.5	*	*
Chloroethane	5.1	< 1.0	400	80
CIS-1,2-Dichloroethene	3.6	< 1.0	100	10
Ethylbenzenne	6.3	12	1360	272
N-Propylbenzene	4.3	< 0.9	*	*
Toluene	1.9	5	343	68.6
1,3,5-Trimethylbenzene	4.0	< 0.8	*	*
Vinyl Chloride	0.8	< 0.7	0.2	0.0015
O-Xylene	3.6	NA	*	*
Xylenes (Total)***	3.6	7	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

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

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

PARAMETER	MW-14	MW-14	MW-16	MW-16	MW-16D (MW-16 duplicate)	MW-16A	MW-16A	NR 140	
DATE	12/15/92	03/25/93 03/26/93	12/15/92	03/25/93 03/26/93	03/25/93 03/26/93	12/15/92	03/25/93 03/26/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBER(S)	B1306	B2147 B2084	B1306	B2147 B2084	B2147 B2084	B1306	B2187 B2084		
INORGANICS									
Cyanide	<10	<10	500	440	<10	20	<10		
VOLATILE ORGANIC COMPOUNDS									
Benzene	< 0.6	< 0.6	< 0.6	0.8	< 0.6	< 0.6	< 0.6	5	.067
TERT-Butylbenzene	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	*	*
Chloroethane	< 1.0	< 1.0	< 1.0	2.1	1.8	< 1.0	< 1.0	400	80
1,1-Dichloroethane	< 0.8	< 0.8	< 0.8	1.0	1.4	< 0.8	< 0.8	850	85
CIS-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	100	10
TRANS-1,2-Dichloroethene	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	100	20
Isopropylbenzene	< 0.6	< 0.6	< 0.6	0.7	0.8	< 0.6	< 0.6	*	*
Methylene Chloride	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	150	15
Toluene	< 0.7	0.9	< 0.7	1.0	0.8	< 0.7	< 0.7	343	68.6
1,1,1-Trichloroethane	< 0.8	< 0.8	< 0.8	2.1	2.6	< 0.8	< 0.8	200	40
Trichloroethene	< 0.8	< 0.8	< 0.8	1.0	1.0	< 0.8	< 0.8	5	0.18
O-Xylene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	*	*
M&P-Xylene	< 1.0	1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0	*	*
Xylenes (Total)***	ND	1.0	ND	1.0	ND	ND	ND	620	124

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
*** Sum of O-Xylene and M&P-Xylene
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
ND Not Detected

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

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

PARAMETER	MW-17	MW-17	MW-43	MW-43	NR 140	
DATE	12/22/92	03/24/93	12/22/92	03/24/93 03/26/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBER(S)	B1326 B1332	B2102	B1332 B1326	B2102 B2084		
INORGANICS						
Cyanide	<10	NA	<10	70	200	40
VOLATILE ORGANIC COMPOUNDS						
Benzene	< 0.6	< 0.6	< 0.6	< 0.6	5	.067
TERT-Butylbenzene	< 1.5	< 1.5	< 1.5	< 1.5	*	*
Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0	400	80
1,1-Dichloroethane	< 0.8	< 0.8	< 0.8	0.9	850	85
CIS-1,2-Dichloroethene	< 1.5	8.4	8.2	8.1	100	10
TRANS-1,2-Dichloroethene	< 1.2	< 1.2	13	12	100	20
Isopropylbenzene	< 0.6	< 0.6	< 0.6	< 0.6	*	*
Methylene Chloride	< 2.1	2.6	< 2.1	< 2.1	150	15
Toluene	< 0.7	< 0.7	< 0.7	< 0.7	343	68.6
1,1,1-Trichloroethane	< 0.8	< 0.8	< 0.8	< 0.8	200	40
Trichloroethene	< 0.8	3.5****	21	17	5	0.18
O-Xylene	< 1.0	< 1.0	< 1.0	< 1.0	*	*
M&P-Xylene	< 1.0	< 1.0	< 1.0	< 1.0	*	*
Xylenes (Total)***	ND	ND	ND	ND	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
**** Possible carry over
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
NA Not Analyzed
ND Not Detected

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

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

PARAMETER	MW-18	MW-18	MW-018 MW-18E (MW18 duplicate)	MW-18A	MW-18A	MW-18B	MW-19B	MW-18C	MW-18C	MW-18D	MW-18D (MW-18DD)	NR 140	
DATE	12/22/92	03/24/93 03/26/93	03/24/93 03/26/93	12/22/92	03/24/93	12/22/92	03/24/93	12/22/92	03/n26/93	12/22/92	03/24/93 03/25/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBER(S)	B1332 B1326	B2102 B2084	B2102 B2084	B1332	B2102	B1332	B2102	B1332 B1326	B2084	B1332 B1326	B2102 B2147		
INORGANICS													
Cyanide	<10	<10	210	NA	NA	NA	NA	<10	<10	<10	<10	200	40
VOLATILE ORGANIC COMPOUNDS													
Benzene	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	<15	< 0.6	< 0.6	5	.067
N-Butylbenzene	< 1.1	< 1.1	< 1.1	2.1	< 1.1	< 1.1	< 1.1	< 1.1	< 27	2.0	9.8	*	*
Chloroethane	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 25	< 1.0	< 1.0	400	80
1,1-Dichloroethane	7.2	2.8	2.4	< 0.8	< 0.8	< 0.8	< 0.8	190	99	< 0.8	< 0.8	850	85
1,2-Dichloroethane	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 22	< 0.9	< 0.9	5	0.05
1,1-Dichloroethene	7.7	5.7	4.6	< 1.3	< 1.3	< 1.3	< 1.3	9.6	< 32	< 1.3	< 1.3	7	0.024
CIS-1,2-Dichloroethene	680	510	520	< 1.5	< 1.0	< 1.5	< 1.0	960	860	< 1.5	2.9	100	10
TRANS-1,2-Dichloroethene	690	90	140	< 1.2	< 1.2	< 1.2	< 1.2	93	57	< 1.2	< 1.2	100	20
1,1-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	4.5	< 13	< 0.5	< 0.5	*	*
Ethylbenzene	< 0.5	< 0.5	< 0.5	7.6	< 0.5	< 0.5	< 0.5	< 0.5	14	< 0.5	< 0.5	1360	272
Isopropylbenzene	< 0.6	< 0.6	< 0.6	1.7	< 0.6	< 0.6	< 0.6	< 0.6	< 15	< 0.6	1.4	*	*
P-Isopropyltoluene	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 17	2.2	< 0.7	*	*
Methylene Chloride	< 2.1	6.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	92	< 2.1	< 2.1	150	15
Naphthalene	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	190	< 1.5	< 1.5	40	8
N-Propylbenzene	< 0.9	< 0.9	< 0.9	2.3	< 0.9	< 0.9	< 0.9	< 0.9	< 22	3.2	< 0.9	*	*
Toluene	1.5	< 0.7	< 0.7	2.1	< 0.7	1.3	< 0.7	< 0.7	< 18	1.5	< 0.7	343	68.6
1,1,1-Trichloroethane	8.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 20	< 0.8	< 0.8	200	40
Trichloroethene	1600	1600	1700	< 0.8	< 0.8	< 0.8	< 0.8	1100	490	< 0.8	< 0.8	5	0.18
1,2,4-Trimethylbenzene	< 1.0	< 1.0	< 1.0	4.4	< 1.0	< 1.0	< 1.0	< 1.0	< 25	9.2	< 1.0	*	*
1,3,5-Trimethylbenzene	< 0.8	< 0.8	< 0.8	2.1	< 0.8	< 0.8	< 0.8	< 0.8	25	2.7	< 0.8	*	*
Vinyl Chloride	2100	440	440	< 0.7	< 0.7	< 0.7	< 0.7	64	60	< 0.7	< 0.7	0.2	0.0015
O-Xylene	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 25	2.5	< 1.0	*	*
M&P-Xylene	< 1.0	< 1.0	< 1.0	9.9	< 1.0	< 1.0	< 1.0	< 1.0	< 25	1.5	< 1.0	*	*
Xylenes (Total)	ND	ND	ND	11.4	ND	ND	ND	ND	ND	4.0	ND	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
NA Not Analyzed
ND Not Detected

Laboratory analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, Certification #261811760
Sum of O-Xylene and M&p-Xylene or Xylenes detections

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

PARAMETER	MW-19	MW-19	MW-20	MW-20	NR 140	
DATE	12/22/92	03/24/93 03/26/93	12/22/92	03/24/93 03/26/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBER(S)	B1332 B1326	B2102 B2084	B1332 B1335	B2102 B2084		
INORGANICS						
Cyanide	<10	<10	<10	<10	200	40
VOLATILE ORGANIC COMPOUNDS						
Benzene	< 0.6	< 0.6	< 6	< 0.6	5	.067
N-Butylbenzene	< 1.1	< 1.1	< 11	< 1.1	*	*
Chloroethane	6.6	7.9	53	21	400	80
1,1-Dichloroethane	14	6.5	98	42	850	85
1,2-Dichloroethane	14	< 0.9	< 9	< 0.9	5	0.05
1,1-Dichloroethene	< 1.3	< 1.3	< 13	< 1.3	7	0.024
CIS-1,2-Dichloroethene	8.6	5.6	410	430	100	10
TRANS-1,2-Dichloroethene	1.5	< 1.2	24	< 1.2	100	20
1,1-Dichloropropene	< 0.5	< 0.5	< 5	< 0.5	*	*
Ethylbenzene	< 0.5	< 0.5	< 5	< 0.5	1360	272
Isopropylbenzene	< 0.6	< 0.6	< 6	< 0.6	*	*
P-Isopropyltoluene	< 0.7	< 0.7	< 7	< 0.7	*	*
Methylene Chloride	< 2.1	< 2.1	< 21	< 2.1	150	15
Naphthalene	< 1.5	< 1.5	< 15	< 1.5	40	8
N-Propylbenzene	< 0.9	< 0.9	< 9	< 0.9	*	*
Toluene	< 0.7	< 0.7	< 7	< 0.7	343	68.6
1,1,1-Trichloroethane	< 0.8	< 0.8	< 8	2.1	200	40
Trichloroethene	46	27	53	58	5	0.18
1,2,4-Trimethylbenzene	< 1.0	< 1.0	< 10	< 1.0	*	*
1,3,5-Trimethylbenzene	< 0.8	< .08	< 8	< 0.8	*	*
Vinyl Chloride	4.1	4.1	56	11	0.2	0.0015
O-Xylene	< 1.0	< 1.0	< 10	< 1.0	*	*
M&P-Xylene	< 1.0	< 1.0	< 10	< 1.0	*	*
Xylenes (Total)	ND	ND	ND	ND	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
Sum of O-Xylene and Mdp-Xylene or Xylenes detections

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

PARAMETER	MW-21	MW-21	MW-21A	MW-21A	NR 140	
DATE	12/23/92	03/26/93	12/23/92	03/26/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBER	B1332	B2084	B1332	B2084		
VOLATILE ORGANIC COMPOUNDS						
Benzene	3.4	1.4	< 0.6	< 3	5	.067
N-Butylbenzene	6.8	< 1.1	6.8	< 6	*	*
TERT-Butylbenzene	< 1.5	1.6	< 1.5	< 7	*	*
Chloroethane	< 1.0	< 1.0	44	28	400	80
CIS-1,2-Dichloroethene	< 1.5	1.7	280	120	100	10
TRANS-1,2-Dichloroethene	< 1.2	< 1.2	7.4	< 6	100	20
Ethylbenzene	1.7	1.0	< 0.5	< 3	1360	272
Isopropylbenzene	< 0.6	5.6	< 0.6	< 3	*	*
Methylene Chloride	< 2.1	< 2.1	< 2.1	11	150	15
N-Propylbenzene	12	< 0.9	< 0.9	< 5	*	*
Styrene	< 1.0	1.5	< 1.0	< 5	*	*
Toluene	< 0.7	0.8	1.7	< 4	343	68.6
1,2,4-Trimethylbenzene	35	< 1.0	< 1.0	< 5	*	*
1,3,5-Trimethylbenzene	8.9	1.0	< 0.8	4.1	*	*
Vinyl Chloride	< 0.7	< 0.7	88	22	0.2	0.0015
O-Xylene	2.0	< 1.0	< 1.0	< 5	*	*
M&P-Xylene	1.4	< 1.0	< 1.0	< 5	*	*
Xylenes (Total)***	3.4	ND	ND	ND	620	124

Note: All values in µg/l (parts per billion)
* No standards currently exist
** Per Chapter NR 140, Wisconsin Administrative Code
*** Sum of O-Xylene and M&P-Xylene
<1.0 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
ND Not Detected

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

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

PARAMETERS	MW-25	MW-25	MW-26	MW-26	MW-27	MW-27	MW-27A	MW-27A	MW-27B	MW-27B	MW-027B (MW-27B duplicate)	MW-27C	MW-27C	MW-27D	MW-27D	MW-27E	MW-27E	MW-28	MW-28	NR 140	
DATE	12/22/92	03/24/93	12/22/92	03/24/93	12/21/92	03/24/93	12/22/92	03/24/93	12/22/92	03/24/93	03/24/93	12/21/92	03/24/93	12/21/92	03/24/93	12/22/92	03/24/93	12/21/92	03/24/93	Enforcement Standard	PAL**
LABORATORY REPORT NUMBERS	B1332	B2102	B1332	B2102	B1332	B2102	B1332	B2102	B1332	B2102	B2102	B1332	B2102	B1332	B2102	B1332	B2102	B1332	B2102		
BROMOFORM	2.5	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	4.4	0.44
CARBONTETRACHLORIDE	4.9	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8		
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.8	< 0.8	12	17	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	850	85
1,1-DICHLOROETHENE	< 1.3	11	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	7	0.024
CIS-1,2-DICHLOROETHENE	490	510	1.6	< 1.0	80	23	2.3	4.5	< 1.5	< 1.0	< 1.0	< 1.5	< 1.0	9.3	7.4	830	240	< 1.5	4.9	100	10
TRANS-1,2-DICHLOROETHENE	1480	1200	< 1.2	< 1.2	120	41	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	5.7	1.5	< 1.2	38	< 1.2	< 1.2	100	20
1,3-DICHLOROPROPANE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	*	*
1,1-DICHLOROPROPENE	< 0.5	< 0.5	< 0.5	< 0.5	2.8	2.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	*	*
ETHYLBENZENE	< 0.5	< 0.5	< 0.5	< 0.5	2.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1360	272
ISOPROPYLBENZENE	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	3.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	*	*
METHYLENE CHLORIDE	< 2.1	4.3	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	150	15
N-PROPYLBENZENE	< 0.9	< 0.9	< 0.9	< 0.9	1.4	< 0.8	< 0.9	< 0.9	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.8	< 0.9	< 0.9	*	*
TOLUENE	< 0.7	< 0.7	1.3	< 0.7	2.2	< 0.7	1.4	< 0.7	1.3	< 0.7	< 0.7	2.3	< 0.7	1.8	< 0.7	1.6	< 0.7	1.9	< 0.7	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	4.0	1.3	34	69	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	200	40
TRICHLOROETHENE	530	300	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	75	85	58	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	130	180	< 0.8	15	5	0.18
VINYL CHLORIDE	820	470	< 0.7	< 0.7	< 0.7	< 0.7	8.0	18	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	220	< 0.7	< 0.7	8.5	0.2	0.0015

Note: All values in ppb (parts per billion)
- * No standards currently exist
- ** Per Chapter NR 140, Wisconsin Administrative Code
- *** Sum of O-Xylene and M&P-Xylene detections
- <1.0 Indicates Laboratory Quantification Limit
- PAL Preventive Action Limit

Laboratory analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, Certification #286181760

ATTACHMENT A

WATER LEVEL DATA

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

WELL NUMBER	RISER ELEVATION (feet)	DEPTH TO WATER (feet)	DATE	WATER ELEVATION (feet)
MW-1	624.72	7.05	03/26/93	617.67
MW-2	624.51	4.75	03/25/93	619.76
MW-3	623.21	NM	--	NM
MW-4	620.95	8.00	03/26/93	612.95
MW-5	620.82	12.76	03/26/93	608.06
MW-5A	621.35	12.31	03/26/93	609.04
MW-6	619.99	NM	--	NM
MW-6A	624.09	7.47	03/26/93	616.62
MW-6C	624.01	7.09	03/26/93	616.92
MW-7	620.58	4.07	03/26/93	616.51
MW-8	621.63	2.98	03/26/93	618.65
MW-8A	621.91	9.91	03/26/93	612.00
MW-10	628.82	NM	--	NM
MW-11	623.88	4.99	03/26/93	618.89
MW-11A	626.99	NM	--	NM
MW-11B	625.90	4.68	03/24/93	621.22
MW-11C	626.71	8.11	03/26/93	618.60
MW-11D	626.87	NM	--	NM
MW-12	625.86	10.81	03/25/93	615.05
MW-13A	627.25	9.61	03/25/93	617.64
MW-14	622.34	4.62	03/25/93	617.72
MW-15	624.31	9.71	03/26/93	614.60
MW-16	622.44	5.12	03/25/93	617.32
MW-16A	626.17	7.47	03/25/93	618.70
MW-17	622.79	4.29	03/24/93	618.50
MW-17A	626.79	NM	--	NM
MW-17B	627.10	NM	--	NM
MW-18	624.09	7.70	03/24/93	616.39
MW-18A	628.58	12.11	03/24/93	616.47
MW-18B	627.93	9.38	03/26/93	618.55
MW-18C	627.94	11.85	03/26/93	616.09
MW-18D	626.79	9.83	03/24/93	616.96
MW-19	622.40	4.91	03/24/93	617.49
MW-20	624.85	8.81	03/24/93	616.04
MW-21	625.81	9.38	03/26/93	616.43
MW-21A	626.79	9.26	03/26/93	617.53
MW-22	627.01	2.55	03/26/93	624.46

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

WELL NUMBER	RISER ELEVATION (feet)	DEPTH TO WATER (feet)	DATE	WATER ELEVATION (feet)
MW-23	624.55	8.14	03/26/93	616.41
MW-24	619.87	1.40	03/26/93	618.47
MW-24A	630.06	6.15	03/26/93	623.91
MW-25	628.77	11.29	03/24/94	617.48
MW-26	626.24	7.63	03/24/93	618.61
MW-27	625.61	7.99	03/24/93	617.62
MW-27A	625.14	8.66	03/24/93	616.48
MW-27B	625.79	6.38	03/24/93	619.41
MW-27C	627.87	7.98	03/24/93	619.89
MW-27D	627.91	12.00	03/24/93	615.91
MW-27E	629.43	13.72	03/24/93	615.71
MW-28	623.69	7.50	03/24/93	616.19
MW-29	626.43	6.75	03/25/93	619.68
MW-29A	627.28	9.44	03/25/93	617.84
MW-30	625.82	8.43	03/25/93	617.39
MW-31	627.38	10.60	03/25/93	616.78
MW-34R	625.22	NM	--	NM
MW-35B	628.80	10.65	03/25/93	618.15
MW-36A	628.15	12.44	03/25/93	615.71
MW-37	628.72	7.79	03/26/93	620.93
MW-38	628.51	8.75	03/25/93	619.76
MW-40	628.67	8.39	03/25/93	620.28
MW-41	628.86	8.94	03/25/93	619.92
MW-43	626.00	8.47	03/24/93	617.53
OBSERVATION SUMP	626.10	7.38	03/25/93	618.72
OW-1	620.83	NM	--	NM
OW-2	623.26	NM	--	NM
SUMP-1	621.98	3.63	03/25/93	618.35
SUMP-2	625.00	6.28	03/25/93	618.72
SUMP-3	626.97	23.19	03/26/93	603.78
SUMP-4	629.35	11.53	03/25/93	617.82
TANK SUMP		NM	--	NM

NM = Not Measured

ATTACHMENT B

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

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Brookfield, Wisconsin 53045
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FAX (414) 783-5752

WDNR Certification #266181760

ANALYTICAL REPORT

REPORT NUMBER: B2084

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

Attn: Mr. Rick Binder
Project #11013-QS

DATE: April 5, 1993
PURCHASE ORDER:
SEI NO: WL4839
DATE COLLECTED: 03/26/93
DATE RECEIVED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

Analyte	SEI ID / Sample ID	4839-4 MW-14	4839-5 MW-16	4839-6 MW-16D	4839-7 MW-18
Cyanides, Dissolved		<0.01	0.44	<0.01	<0.01

Analyte	SEI ID / Sample ID	4839-8 MW-18E	4839-9 MW-18C	4839-10 MW-19	4839-11 MW-20
Cyanides, Dissolved		0.21	<0.01	<0.01	0.01

Analyte	SEI ID / Sample ID	4839-13 MW-16A	4839-16 MW-43
Cyanides, Dissolved		0.01	0.07

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SWANSON ENVIRONMENTAL INC.

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ANALYTICAL REPORT

REPORT NUMBER: B2084

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

Attn: Mr. Rick Binder
Project #11013-QS

DATE: April 5, 1993
PURCHASE ORDER:
SEI NO: WL4839
DATE COLLECTED: 03/26/93
DATE RECEIVED: 03/29/93
DATE ANALYZED: 04/02/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

Analyte	SEI ID / Sample ID	4839-1 / MW-5
EPA Method 8020		
Benzene		110
Toluene		5
Ethylbenzene		12
Xylenes		7

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2084
AMENDED 05/03/93

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

Attn: Mr. Rick Binder
Project #11013-QS

RECEIVED MAY 0 5 1993

DATE: April 5, 1993
PURCHASE ORDER:
SEI NO: WL4839
DATE COLLECTED: 03/26/93
DATE RECEIVED: 03/29/93
DATE ANALYZED: 04/02/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4839-2[a] MW-11	4839-3 MW-11C	4839-9[a] MW-18C
EPA Method 8021					
78124	Benzene		82	0.7	<15
81555	Bromobenzene		<30	<1.2	<30
77297	Bromochloromethane		<27	<1.1	<27
32101	Bromodichloromethane		<22	<0.9	<22
32104	Bromoform		<52	<2.1	<52
34413	Bromomethane		<25	<1.0	<25
77342	n-Butylbenzene		<27	1.7	<27
77350	sec-Butylbenzene		<17	<0.7	<17
77353	tert-Butylbenzene		<37	<1.5	<37
32102	Carbon tetrachloride		<20	<0.8	<20
34301	Chlorobenzene		<15	<0.6	<15
34306	Chlorodibromomethane		<37	<1.5	<37
34311	Chloroethane		<25	65	<25
32106	Chloroform		<13	<0.5	<13
34418	Chloromethane		<25	<1.0	<25
77275	2-Chlorotoluene		<25	<1.0	<25
77277	4-Chlorotoluene		<25	<1.0	<25
38437	1,2-Dibromo-3-chloropropane		<25	<1.0	<25
77651	1,2-Dibromoethane		<75	<3.0	<75
77596	Dibromomethane		<30	<1.2	<30

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ANALYTICAL REPORT

REPORT NUMBER: B2084

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Project #11013-QS

DATE: April 5, 1993
PURCHASE ORDER:
SEI NO: WL4839
DATE COLLECTED: 03/26/93
DATE RECEIVED: 03/29/93
DATE ANALYZED: 04/02/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4839-2[a] MW-11	4839-3 MW-11C	4839-9[a] MW-18C
EPA Method 8021					
34536	1,2-Dichlorobenzene		<25	<1.0	<25
34566	1,3-Dichlorobenzene		<25	<1.0	<25
34571	1,4-Dichlorobenzene		<25	<1.0	<25
34668	Dichlorodifluoromethane		<25	<1.0	<25
34496	1,1-Dichloroethane		<20	3.4	99
32103	1,2-Dichloroethane		<22	<0.9	<22
34501	1,1-Dichloroethene		<32	<1.3	<32
77093	cis-1,2-Dichloroethene		<37	1.8	860
34546	trans-1,2-Dichloroethene		<30	2.4	57
34541	1,2-Dichloropropane		<25	<1.0	<25
77173	1,3-Dichloropropane		<25	<1.0	<25
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<25	<1.0	<25
77168	1,1-Dichloropropene		<13	<0.5	<13
78113	Ethylbenzene		460	<0.5	14
34391	Hexachlorobutadiene		<20	<0.8	<20
77223	Isopropylbenzene		27	<0.6	<15
77356	p-Isopropyltoluene		<17	0.9	<17
34423	Methylene chloride		100	2.6	92
34696	Naphthalene		<37	<1.5	190

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REPORT NUMBER: B2084

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Attn: Mr. Rick Binder
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DATE: April 5, 1993
PURCHASE ORDER:
SEI NO: WL4839
DATE COLLECTED: 03/26/93
DATE RECEIVED: 03/29/93
DATE ANALYZED: 04/02/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4839-2[a] MW-11	4839-3 MW-11C	4839-9[a] MW-18C
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<22	<0.9	<22
77128	Styrene		<25	<1.0	<25
77562	1,1,1,2-Tetrachloroethane		<15	<0.6	<15
34516	1,1,2,2-Tetrachloroethane		<37	<1.5	<37
34475	Tetrachloroethene		<22	<0.9	<22
78131	Toluene		48	0.7	<17
77613	1,2,3-Trichlorobenzene		<25	<1.0	<25
34551	1,2,4-Trichlorobenzene		<15	<0.6	<15
34506	1,1,1-Trichloroethane		<20	<0.8	<20
34511	1,1,2-Trichloroethane		<25	<1.0	<25
39180	Trichloroethene		<20	<0.8	490
34488	Trichlorofluoromethane		<20	<0.8	<20
77443	1,2,3-Trichloropropane		<37	<1.5	<37
77222	1,2,4-Trimethylbenzene		69	1.8	<25
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		100	1.3	25
39175	Vinyl chloride		<17	0.8	60
77135	o-Xylenes		45	<1.0	<25
85795	m & p Xylenes		1,100	<1.0	<25

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

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DATE: April 5, 1993
PURCHASE ORDER:
SEI NO: WL4839
DATE COLLECTED: 03/26/93
DATE RECEIVED: 03/29/93
DATE ANALYZED: 04/02/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4839-12 MW-21	4839-14[b] MW-21A	4839-15 MW-37
EPA Method 8021					
78124	Benzene		1.4	<3	0.9
81555	Bromobenzene		<1.2	<6	<1.2
77297	Bromochloromethane		<1.1	<5	<1.1
32101	Bromodichloromethane		<0.9	<4	<0.9
32104	Bromoform		<2.1	<10	<2.1
34413	Bromomethane		<1.0	<5	<1.0
77342	n-Butylbenzene		<1.1	<6	<1.1
77350	sec-Butylbenzene		<0.7	<3	<0.7
77353	tert-Butylbenzene		1.6	<7	<1.5
32102	Carbon tetrachloride		<0.8	<4	<0.8
34301	Chlorobenzene		<0.6	<3	<0.6
34306	Chlorodibromomethane		<1.5	<7	<1.5
34311	Chloroethane		<1.0	28	<1.0
32106	Chloroform		<0.5	<3	<0.5
34418	Chloromethane		<1.0	<5	<1.0
77275	2-Chlorotoluene		<1.0	<5	<1.0
77277	4-Chlorotoluene		<1.0	<5	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<5	<1.0
77651	1,2-Dibromoethane		<3.0	<15	<3.0
77596	Dibromomethane		<1.2	<6	<1.2

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DATE: April 5, 1993
PURCHASE ORDER:
SEI NO: WL4839
DATE COLLECTED: 03/26/93
DATE RECEIVED: 03/29/93
DATE ANALYZED: 04/02/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4839-12 MW-21	4839-14[b] MW-21A	4839-15 MW-37
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<5	<1.0
34566	1,3-Dichlorobenzene		<1.0	<5	<1.0
34571	1,4-Dichlorobenzene		<1.0	<5	<1.0
34668	Dichlorodifluoromethane		<1.0	<5	<1.0
34496	1,1-Dichloroethane		<0.8	<4	1.3
32103	1,2-Dichloroethane		<0.9	<4	<0.9
34501	1,1-Dichloroethene		<1.3	<7	<1.3
77093	cis-1,2-Dichloroethene		1.7	120	<1.5
34546	trans-1,2-Dichloroethene		<1.2	<6	<1.2
34541	1,2-Dichloropropane		<1.0	<5	<1.0
77173	1,3-Dichloropropane		<1.0	<5	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<5	<1.0
77168	1,1-Dichloropropene		<0.5	<3	<0.5
78113	Ethylbenzene		1.0	<3	<0.5
34391	Hexachlorobutadiene		<0.8	<4	<0.8
77223	Isopropylbenzene		5.6	<3	<0.6
77356	p-Isopropyltoluene		<0.7	<4	<0.7
34423	Methylene chloride		<2.1	11	<2.1
34696	Naphthalene		<1.5	<7	<1.5

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DATE: April 5, 1993
PURCHASE ORDER:
SEI NO: WL4839
DATE COLLECTED: 03/26/93
DATE RECEIVED: 03/29/93
DATE ANALYZED: 04/02/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4839-12 MW-21	4839-14[b] MW-21A	4839-15 MW-37
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<5	<0.9
77128	Styrene		1.5	<5	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<3	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<7	<1.5
34475	Tetrachloroethene		<0.9	<5	<0.9
78131	Toluene		0.8	<4	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<5	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<3	<0.6
34506	1,1,1-Trichloroethane		<0.8	<4	<0.8
34511	1,1,2-Trichloroethane		<1.0	<5	<1.0
39180	Trichloroethene		<0.8	<4	<0.8
34488	Trichlorofluoromethane		<0.8	<4	<0.8
77443	1,2,3-Trichloropropane		<1.5	<7	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<5	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		1.0	4	<0.8
39175	Vinyl chloride		<0.7	22	<0.7
77135	o-Xylenes		<1.0	<5	<1.0
85795	m & p Xylenes		<1.0	<5	<1.0

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

Gary E. Barry
Projects Coordinator

ORIGINAL

SWANSON ENVIRONMENTAL INC.

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2102

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

Attn: Mr. Rick Binder
Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-1 MW-19	4805-2 MW-26	4805-3 MW-27D
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	<1.5
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		7.9	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

SWANSON ENVIRONMENTAL INC.

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ANALYTICAL REPORT

REPORT NUMBER: B2102

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

Attn: Mr. Rick Binder
Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-1 MW-19	4805-2 MW-26	4805-3 MW-27D
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		6.5	<0.8	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		5.6	<1.5	7.4
34546	trans-1,2-Dichloroethene		<1.2	<1.2	1.5
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		<2.1	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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REPORT NUMBER: B2102

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Attn: Mr. Rick Binder
Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-1 MW-19	4805-2 MW-26	4805-3 MW-27D
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		<0.7	<0.7	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	1.3	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		27	<0.8	<0.8
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	<0.8
39175	Vinyl chloride		4.1	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		<1.0	<1.0	<1.0

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ANALYTICAL REPORT

REPORT NUMBER: B2102

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

Attn: Mr. Rick Binder
Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-4 MW-27C	4805-5 MW-18D	4805-6 MW-27E
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	9.8	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	<1.5
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		<1.0	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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: B2102

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

Attn: Mr. Rick Binder
Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-4 MW-27C	4805-5 MW-18D	4805-6 MW-27E
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		<0.8	<0.8	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		<1.5	2.9	240
34546	trans-1,2-Dichloroethene		<1.2	<1.2	36
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	1.4	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		<2.1	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-4 MW-27C	4805-5 MW-18D	4805-6 MW-27E
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		<0.7	<0.7	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		<0.8	<0.8	180
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	<0.8
39175	Vinyl chloride		<0.7	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		<1.0	<1.0	<1.0

ORIGINAL

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DATE: April 7, 1993
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SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-7 MW-20	4805-8 MW-11B	4805-9 MW-27A
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	<1.5
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		21	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-7 MW-20	4805-8 MW-11B	4805-9 MW-27A
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		42	<0.8	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		430	<1.5	4.5
34546	trans-1,2-Dichloroethene		<1.2	<1.2	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		<2.1	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-7 MW-20	4805-8 MW-11B	4805-9 MW-27A
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		<0.7	<0.7	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		2.1	<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		58	<0.8	<0.8
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	<0.8
39175	Vinyl chloride		11	<0.7	18
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		<1.0	<1.0	<1.0

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-10 MW-43	4805-11 MW-28	4805-12 MW-18
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	<1.5
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		<1.0	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-10 MW-43	4805-11 MW-28	4805-12 MW-18
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		0.9	<0.8	2.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	5.7
77093	cis-1,2-Dichloroethene		8.1	4.9	510
34546	trans-1,2-Dichloroethene		12	<1.2	90
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		<2.1	<2.1	6.1
34696	Naphthalene		<1.5	<1.5	<1.5

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Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-10 MW-43	4805-11 MW-28	4805-12 MW-18
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		<0.7	<0.7	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		17	15	1,600
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	<0.8
39175	Vinyl chloride		<0.7	5.5	440
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		<1.0	<1.0	<1.0

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-13 MW-17	4805-14 MW-18A	4805-15 MW-18B
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	<1.5
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		<1.0	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-13 MW-17	4805-14 MW-18A	4805-15 MW-18B
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		<0.8	<0.8	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		8.4	<1.5	<1.5
34546	trans-1,2-Dichloroethene		<1.2	<1.2	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		2.6	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

SWANSON ENVIRONMENTAL INC.

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

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2102

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

Attn: Mr. Rick Binder
Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-13 MW-17	4805-14 MW-18A	4805-15 MW-18B
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		<0.7	<0.7	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		3.5	<0.8	<0.8
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	<0.8
39175	Vinyl chloride		<0.7	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		<1.0	<1.0	<1.0

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Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-16 MW-25	4805-17 MW-018	4805-18 MW-27B
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	<1.5
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		<1.0	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4805-16 MW-25	4805-17 MW-Q18	4805-18 MW-27B
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		<0.8	2.4	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		11	4.6	<1.3
77093	cis-1,2-Dichloroethene		510	520	<1.5
34546	trans-1,2-Dichloroethene		1,200	140	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		4.3	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-16 MW-25	4805-17 MW-018	4805-18 MW-27B
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		<0.7	<0.7	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		300	1,700	65
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	<0.8
39175	Vinyl chloride		470	440	<0.7
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		<1.0	<1.0	<1.0

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325 East Chicago Street
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Attn: Mr. Rick Binder
Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/22&24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-19 MW-027B	4805-20 MW-27	4805-21 Trip Blk
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	<1.5
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		<1.0	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-19 MW-027B	4805-20 MW-27	4805-21 Trip Blk
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		<0.8	17	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		<1.5	23	<1.5
34546	trans-1,2-Dichloroethene		<1.2	41	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	3.1	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	2.2	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	3.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		<2.1	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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Project #11013

DATE: April 7, 1993
PURCHASE ORDER:
SEI NO: WL4805
DATE COLLECTED: 03/22&24/93
DATE RECEIVED: 03/25/93
DATE ANALYZED: 03/29/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4805-19 MW-027B	4805-20 MW-27	4805-21 Trip Blk
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		<0.7	<0.7	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	69	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		58	<0.8	<0.8
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	<0.8
39175	Vinyl chloride		<0.7	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		<1.0	<1.0	<1.0

Gary E. Barry
Projects Coordinator

ORIGINAL

SWANSON ENVIRONMENTAL INC.

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2147

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

Attn: Mr. Rick Binder
Project #11013-QS

DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
DATE RECEIVED: 03/26/93

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

Analyte	SEI ID / Sample ID	4819-15 / MW-18DD
Cyanides, Dissolved		<0.01

EPA Method 335.2

ORIGINAL

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ANALYTICAL REPORT

REPORT NUMBER: B2147

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

Attn: Mr. Rick Binder
Project #11013-QS

DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
DATE RECEIVED: 03/26/93
DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4819-1 MW-29A	4819-2 MW-16D	4819-3 MW-12
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	1.7
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		<1.0	1.8	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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Project #11013-QS

DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
DATE RECEIVED: 03/26/93
DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4819-1 MW-29A	4819-2 MW-16D	4819-3 MW-12
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		<0.8	1.4	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		<1.5	<1.5	<1.5
34546	trans-1,2-Dichloroethene		<1.2	<1.2	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	0.8	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		<2.1	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
DATE RECEIVED: 03/26/93
DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4819-1 MW-29A	4819-2 MW-16D	4819-3 MW-12
EPA Method 8021					
77224	n-Propylbenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		1.0	0.8	0.8
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	2.6	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		<0.8	1.0	<0.8
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene		<0.8	<0.8	<0.8
39175	Vinyl chloride		<0.7	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	1.1
85795	m & p Xylenes		<1.0	<1.0	<1.0

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2147

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

Attn: Mr. Rick Binder
Project #11013-QS

DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
DATE RECEIVED: 03/26/93
DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4819-4 MW-31	4819-5 MW-30	4819-6 MW-40
EPA Method 8021					
78124	Benzene		<0.6	<0.6	0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		1.5	2.0	1.7
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		<1.0	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

ORIGINAL

SWANSON ENVIRONMENTAL INC.

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325 East Chicago Street
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Project #11013-QS

DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
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DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4819-4 MW-31	4819-5 MW-30	4819-6 MW-40
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		<0.8	<0.8	1.1
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		2.5	<1.5	5.8
34546	trans-1,2-Dichloroethene		<1.2	<1.2	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		7.0	5.1	4.0
34696	Naphthalene		<1.5	<1.5	<1.5

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DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
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DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4819-4 MW-31	4819-5 MW-30	4819-6 MW-40
EPA Method 8021					
77224	n-Propylbenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		0.9	0.9	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	<0.8	1.0
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		1.4	<0.8	0.8
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene		<0.8	<0.8	<0.8
39175	Vinyl chloride		<0.7	<0.7	6.7
77135	o-Xylenes		<1.0	1.0	1.0
85795	m & p Xylenes		<1.0	1.1	<1.0

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DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4819-7* MW-38D	4819-8 MW-36A	4819-9* MW-38
EPA Method 8021					
78124	Benzene		<6	<0.6	<6
81555	Bromobenzene		<12	<1.2	<12
77297	Bromochloromethane		<11	<1.1	<11
32101	Bromodichloromethane		<9	<0.9	<9
32104	Bromoform		<21	<2.1	<21
34413	Bromomethane		<10	<1.0	<10
77342	n-Butylbenzene		<11	<1.1	<11
77350	sec-Butylbenzene		<7	<0.7	<7
77353	tert-Butylbenzene		<15	1.7	<15
32102	Carbon tetrachloride		<8	<0.8	<8
34301	Chlorobenzene		<6	<0.6	<6
34306	Chlorodibromomethane		<15	<1.5	<15
34311	Chloroethane		<10	33	<10
32106	Chloroform		<5	<0.5	<5
34418	Chloromethane		<10	<1.0	<10
77275	2-Chlorotoluene		<10	<1.0	<10
77277	4-Chlorotoluene		<10	<1.0	<10
38437	1,2-Dibromo-3-chloropropane		<10	<1.0	<10
77651	1,2-Dibromoethane		<30	<3.0	<30
77596	Dibromomethane		<12	<1.2	<12

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DATE: April 13, 1993
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SEI NO: WL4819
DATE COLLECTED: 03/25/93
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DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4819-7* MW-38D	4819-8 MW-36A	4819-9* MW-38
EPA Method 8021					
34536	1,2-Dichlorobenzene		<10	<1.0	<10
34566	1,3-Dichlorobenzene		<10	<1.0	<10
34571	1,4-Dichlorobenzene		<10	<1.0	<10
34668	Dichlorodifluoromethane		<10	<1.0	<10
34496	1,1-Dichloroethane		76	<0.8	73
32103	1,2-Dichloroethane		<9	<0.9	<9
34501	1,1-Dichloroethene		<13	<1.3	<13
77093	cis-1,2-Dichloroethene		270	7	270
34546	trans-1,2-Dichloroethene		17	<1.2	17
34541	1,2-Dichloropropane		<10	<1.0	<10
77173	1,3-Dichloropropane		<10	<1.0	<10
77170	2,2-Dichloropropane		<10	<1.0	<10
77168	1,1-Dichloropropene		<5	<0.5	<5
78113	Ethylbenzene		<5	<0.5	<5
34391	Hexachlorobutadiene		<8	<0.8	<8
77223	Isopropylbenzene		<6	<0.6	<6
77356	p-Isopropyltoluene		<7	<0.7	<7
34423	Methylene chloride		<21	<2.1	<21
34696	Naphthalene		<15	<1.5	<15

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4819-7* MW-38D	4819-8 MW-36A	4819-9* MW-38
EPA Method 8021					
77224	n-Propylbenzene		<9	<0.9	<9
77128	Styrene		<10	<1.0	<10
77562	1,1,1,2-Tetrachloroethane		<6	<0.6	<6
34516	1,1,2,2-Tetrachloroethane		<15	<1.5	<15
34475	Tetrachloroethene		<9	<0.9	<9
78131	Toluene		8	0.9	8
77613	1,2,3-Trichlorobenzene		<10	<1.0	<10
34551	1,2,4-Trichlorobenzene		<6	<0.6	<6
34506	1,1,1-Trichloroethane		10	<0.8	<8
34511	1,1,2-Trichloroethane		<10	<1.0	<10
39180	Trichloroethene		29	<0.8	26
34488	Trichlorofluoromethane		<8	<0.8	<8
77443	1,2,3-Trichloropropane		<15	<1.5	<15
77222	1,2,4-Trimethylbenzene		<10	<1.0	<10
77226	1,3,5-Trimethylbenzene		<8	<0.8	<8
39175	Vinyl chloride		240	4.5	210
77135	o-Xylenes		<10	<1.0	<10
85795	m & p Xylenes		<10	<1.0	<10

* Elevated detection level due to matrix interference; a 10x dilution necessary.

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4819-10 MW-16	4819-11 MW-29	4819-12 MW-16A
EPA Method 8021					
78124	Benzene		0.8	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	1.8
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		2.1	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4819-10 MW-16	4819-11 MW-29	4819-12 MW-16A
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0	<1.0
34496	1,1-Dichloroethane		1.0	<0.8	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		<1.5	<1.5	<1.5
34546	trans-1,2-Dichloroethene		<1.2	<1.2	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		0.7	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		<2.1	2.6	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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ANALYTICAL REPORT

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

Attn: Mr. Rick Binder
Project #11013-GS

DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
DATE RECEIVED: 03/26/93
DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4819-10 MW-16	4819-11 MW-29	4819-12 MW-16A
EPA Method 8021					
77224	n-Propylbenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		1.0	1.0	1.0
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		2.1	<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		1.0	<0.8	<0.8
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene		<0.8	<0.8	<0.8
39175	Vinyl chloride		<0.7	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	1.0
85795	m & p Xylenes		1.0	<1.0	1.0

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DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4819-13 MW-41	4819-14 MW-14	4819-16 Trip Blk
EPA Method 8021					
78124	Benzene		0.8	<0.6	<0.6
81555	Bromobenzene		<1.2	<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9	<0.9
32104	Bromoform		<2.1	<2.1	<2.1
34413	Bromomethane		<1.0	<1.0	<1.0
77342	n-Butylbenzene		<1.1	<1.1	<1.1
77350	sec-Butylbenzene		<0.7	<0.7	<0.7
77353	tert-Butylbenzene		<1.5	<1.5	<1.5
32102	Carbon tetrachloride		<0.8	<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5	<1.5
34311	Chloroethane		<1.0	<1.0	<1.0
32106	Chloroform		<0.5	<0.5	<0.5
34418	Chloromethane		<1.0	<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2	<1.2

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DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	4819-13 MW-41	4819-14 MW-14	4819-16 Trip Blk
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0	<1.0
34668	Dichlorodifluoromethane		20	<1.0	<1.0
34496	1,1-Dichloroethane		6.8	<0.8	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3	<1.3
77093	cis-1,2-Dichloroethene		<1.5	<1.5	<1.5
34546	trans-1,2-Dichloroethene		<1.2	<1.2	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0	<1.0
77170	2,2-Dichloropropane		<1.0	<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5	<0.5
78113	Ethylbenzene		<0.5	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	<0.7
34423	Methylene chloride		<2.1	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

SWANSON ENVIRONMENTAL INC.

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

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B2147

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

Attn: Mr. Rick Binder
Project #11013-QS

DATE: April 13, 1993
PURCHASE ORDER:
SEI NO: WL4819
DATE COLLECTED: 03/25/93
DATE RECEIVED: 03/26/93
DATE ANALYZED: 03/30/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	4819-13 MW-41	4819-14 MW-14	4819-16 Trip Blk
EPA Method 8021					
77224	n-Propylbenzene		<0.9	<0.9	<0.9
77128	Styrene		<1.0	<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9	<0.9
78131	Toluene		0.8	0.9	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<0.6
34506	1,1,1-Trichloroethane		1.7	<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		2.3	<0.8	<0.8
34488	Trichlorofluoromethane		<0.8	<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<1.0
77226	1,3,5-Trimethylbenzene		1.0	<0.8	<0.8
39175	Vinyl chloride		0.9	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		1.0	1.0	<1.0

Gary E. Barry
Projects Coordinator

ORIGINAL

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha 1993 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–1	MW–2	MW–3	MW–4
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/26/93	3/25/93		3/26/93
Sampled by	RJK	RAS	Unable	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	to open	TOR
Measured Depth to Water (ft.)	7.05	4.75	Well	8.00
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)	1038	1545		0930
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–5	MW–5A	MW–6	MW–6A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/26/93	3/26/93		3/26/93
Sampled by	RAS	RJK	Could	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	not	TOR
Measured Depth to Water (ft.)	12.76	12.31	Locate	7.47
Measured Well Depth (ft.)	18.66		Due to	
Purging/Sampling Device(s)	PVC Bailer		Snow	
Well Casing Volumes/Gallons Purged	5.1			
Well Purged Dry? (Y/N)	Y			
Time Purging Completed (Military)	0932			
Time Sample Withdrawn (Military)	0932	0906		1015
Field Temperature (degrees C)	8.0			
Field Conductivity: Measured (u mhos/cm)	1200			
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	6.94			
Alkalinity (mg/l)				
Color	brown			
Odor	HC odor			
Turbidity	yes			
Other	sl. oil sheen			

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	3/29/93			
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.			

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha 1993 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–6B	MW–6C	MW–7	MW–8
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date		3/26/93	3/26/93	3/26/93
Sampled by	abandon	RJK	RJK	RJK
Reference Elevation (Top of riser etc.)		TOR	TOR	TOR
Measured Depth to Water (ft.)		7.09	4.07	2.98
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)		0935	0950	1010
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–8A	MW–10	MW–11	MW–11A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/26/93		3/26/93	
Sampled by	RJK	Free	RAS	Well
Reference Elevation (Top of riser etc.)	TOR	Product	TOR	Damaged
Measured Depth to Water (ft.)	9.91	in	4.99	Requires
Measured Well Depth (ft.)		Well	13.78	Replacement
Purging/Sampling Device(s)			PVC Bailer	
Well Casing Volumes/Gallons Purged			7.6	
Well Purged Dry? (Y/N)			N	
Time Purging Completed (Military)			1415	
Time Sample Withdrawn (Military)	1031		1415	
Field Temperature (degrees C)			8.5	
Field Conductivity: Measured (u mhos/cm)			9400	
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)			7.51	
Alkalinity (mg/l)				
Color				
Odor				
Turbidity				
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			3/29/93	
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.			H.D.	

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha 1993 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–11B	MW–11C	MW–11D	MW–12
Water Type	Gndwtr	Gndwtr		Gndwtr
Date	3/24/93	3/26/93	Abandon	3/25/93
Sampled by	RJK	RAS		RJK
Reference Elevation (Top of riser etc.)	TOR	TOR		TOR
Measured Depth to Water (ft.)	4.68	8.11		10.81
Measured Well Depth (ft.)	16.11	13.74		20.39
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer		PVC Bailer
Well Casing Volumes/Gallons Purged	9.8	4.8		8.3
Well Purged Dry? (Y/N)	N	N		N
Time Purging Completed (Military)	1310	1450		1430
Time Sample Withdrawn (Military)	1310	1450		1430
Field Temperature (degrees C)	8.3	Free		7.6
Field Conductivity: Measured (u mhos/cm)	5300	Product		8000
Field Conductivity @25 degrees C (u mhos/cm)		In		
pH (std. units)	7.56	Well		7.47
Alkalinity (mg/l)				
Color	Brown	Brown		Rust, Brown
Odor	none	Strong HC		Some HC
Turbidity	very	very		Very
Other		Free Product		Sheen

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	3/25/93	3/29/93		3/26/93
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–13	MW–13A	MW–14	MW–15
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date		3/25/93	3/25/93	3/26/93
Sampled by		RJK	RJK	RAS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)		9.61	4.62	9.71
Measured Well Depth (ft.)			13.8	
Purging/Sampling Device(s)			PVC Bailer	
Well Casing Volumes/Gallons Purged			7.9	
Well Purged Dry? (Y/N)			N	
Time Purging Completed (Military)			1000	
Time Sample Withdrawn (Military)			1000	1522
Field Temperature (degrees C)			8.3	
Field Conductivity: Measured (u mhos/cm)			7000	
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)			6.48	
Alkalinity (mg/l)				
Color			brown	
Odor			some HC	
Turbidity			very	
Other				

Sampling Container and Preservation Information

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

Shipping Information

Laboratory			SEI	
Date Submitted			3/26/93	
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.			H.D.	

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha 1993 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-16	MW-16A	MW-17	MW-17A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/25/93	3/25/93	3/24/93	
Sampled by	RAS	RAS	RJK	
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	5.12	7.47	4.29	
Measured Well Depth (ft.)	13.7	17.36	13.46	
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	
Well Casing Volumes/Gallons Purged	7.4	8.5	7.9	
Well Purged Dry? (Y/N)	N	N	N	
Time Purging Completed (Military)	1000	1105	1530	
Time Sample Withdrawn (Military)	1000	1105	1530	
Field Temperature (degrees C)	9.5	6.6	7.8	
Field Conductivity: Measured (u mhos/cm)	4000	3100	25000	
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.49	8.32	7.04	
Alkalinity (mg/l)				
Color			brown	
Odor	HC odor			
Turbidity	none		some	
Other				

Sampling Container and Preservation Information

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

Shipping Information

Laboratory	SEI	SEI	SEI	
Date Submitted	3/26/93	3/26/93	3/25/93	
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–17B	MW–18	MW–18A	MW–18B
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date		3/24/93	3/24/93	3/24/93
Sampled by		RJK	RJK	JMN
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)		7.7	12.11	9.38
Measured Well Depth (ft.)		13.85	20.18	17.08
Purging/Sampling Device(s)		PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged		5.3	6.9	6.6
Well Purged Dry? (Y/N)		N	N	N
Time Purging Completed (Military)		0955	0840	0830
Time Sample Withdrawn (Military)		0955	0840	0830
Field Temperature (degrees C)		7.3	6.4	10.8
Field Conductivity: Measured (u mhos/cm)		8000	5800	5600
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)		6.80	6.62	6.84
Alkalinity (mg/l)				
Color		brown/grey	brown	brown
Odor		HC		
Turbidity		very	very	very
Other		free product		

Sampling Container and Preservation Information

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

Shipping Information

Laboratory		SEI	SEI	SEI
Date Submitted		3/25/93	3/25/93	3/25/93
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–18C	MW–18D	MW–19	MW–20
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/26/93	3/24/93	3/24/93	3/24/93
Sampled by	RJK	JMN	RJK	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	11.85	9.83	4.91	8.81
Measured Well Depth (ft.)	16.76	15.72	14.26	13.91
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	4.2	5.1	8.1	4.4
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1600	0900	1500	1600
Time Sample Withdrawn (Military)	1600	0900	1500	1600
Field Temperature (degrees C)		6.9	5.9	7.6
Field Conductivity: Measured (u mhos/cm)		3800	12000	5800
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)		7.02	6.94	7.11
Alkalinity (mg/l)				
Color	brown/grey		brown/grey	brown/grey
Odor	HC		HC	HC
Turbidity	very	very	very	very
Other	1" Bailer			free product

Sampling Container and Preservation Information

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

Shipping Information

Laboratory	SEI	SEI	SEI	SEI
Date Submitted	3/29/93	3/25/93	3/25/93	3/25/93
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–21	MW–21A	MW–22	MW–23
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/26/93	3/26/93	3/26/93	3/26/93
Sampled by	RJK	RJK	RJK	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	9.38	9.26	2.55	8.14
Measured Well Depth (ft.)	16.28	16.5		
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer		
Well Casing Volumes/Gallons Purged	5.9	6.2		
Well Purged Dry? (Y/N)	Y	N		
Time Purging Completed (Military)	1300	1425		
Time Sample Withdrawn (Military)	1300	1425	1722	1705
Field Temperature (degrees C)	7.5	6.9		
Field Conductivity: Measured (u mhos/cm)	9600	7000		
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.80	7.80		
Alkalinity (mg/l)				
Color	brown	brown		
Odor				
Turbidity				
Other	1" Bailer			

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	3/29/93	3/29/93		
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.	H.D.	H.D.		

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha 1993 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–24	MW–24A	MW–25	MW–26
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/26/93	3/26/93	3/24/93	3/24/93
Sampled by	RJK	RJK	RJK	JMN
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	1.40	6.15	11.29	7.63
Measured Well Depth (ft.)			19.68	17.34
Purging/Sampling Device(s)			PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged			7.2	8.4
Well Purged Dry? (Y/N)			N	N
Time Purging Completed (Military)			1515	1030
Time Sample Withdrawn (Military)	0915	1728	1515	1030
Field Temperature (degrees C)			9.7	6.7
Field Conductivity: Measured (u mhos/cm)			10000	5300
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)			6.70	7.41
Alkalinity (mg/l)				
Color			brown	brown
Odor			none	none
Turbidity			very	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			3/25/93	3/25/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.			H.D.	H.D.

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha 1993 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW-27	MW-27A	MW-27B	MW-27C
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/24/93	3/24/93	3/24/93	3/24/93
Sampled by	RJK	RJK	RJK	JMN
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	7.99	8.66	6.38	7.98
Measured Well Depth (ft.)	17.65	18.03	17.78	20.35
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	8.3	8.1	9.8	10.6
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1140	1415	1100	1313
Time Sample Withdrawn (Military)	1140	1415	1100	1313
Field Temperature (degrees C)	7.2	7.2	6.7	11.5
Field Conductivity: Measured (u mhos/cm)	17000	8800	12000	10000
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	6.80	7.00	7.36	7.06
Alkalinity (mg/l)				
Color	brown	brown	brown	brown
Odor	none	none	none	none
Turbidity	very	very	some	some
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	3/25/93	3/25/93	3/25/93	3/25/93
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–27D	MW–27E	MW–28	MW–29
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/24/93	3/24/93	3/24/93	3/25/93
Sampled by	RJK	JMN	RJK	RAS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	12	13.72	7.5	6.75
Measured Well Depth (ft.)	22.23	23.19	18.1	20.92
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	8.8	8.1	9.1	12.1
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1413	1150	1330	1403
Time Sample Withdrawn (Military)	1413	1150	1330	1403
Field Temperature (degrees C)	8.5	7.6	9	7.8
Field Conductivity: Measured (u mhos/cm)	15000	5300	9000	11500
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	6.91	7.14	6.80	7.64
Alkalinity (mg/l)				
Color	brown	brown	brown	brown
Odor	none	none	none	none
Turbidity	some	some	some	some
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	3/25/93	3/25/93	3/25/93	3/26/93
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–29A	MW–30	MW–31	MW–31A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/25/93	3/25/93	3/25/93	
Sampled by	RAS	RJK	RJK	
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	
Measured Depth to Water (ft.)	9.44	8.43	10.6	
Measured Well Depth (ft.)	22.41	22.16	21.85	
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	
Well Casing Volumes/Gallons Purged	11.1	11.8	9.7	
Well Purged Dry? (Y/N)	N	N	N	
Time Purging Completed (Military)	1509	1340	1400	
Time Sample Withdrawn (Military)	1509	1340	1400	
Field Temperature (degrees C)	8.9	7.4	6.7	
Field Conductivity: Measured (u mhos/cm)	5150	5500	5200	
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.96	7.70	7.82	
Alkalinity (mg/l)				
Color	brown	brown	brown	
Odor	none	none	none	
Turbidity	yes	yes	none	
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	3/26/93	3/26/93	3/26/93	
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–34	MW–35B	MW–36A	MW–37
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date		3/25/93	3/25/93	3/26/93
Sampled by		RJK	RJK	RAS
Reference Elevation (Top of riser etc.)		TOR	TOR	TOR
Measured Depth to Water (ft.)		10.65	12.44	7.79
Measured Well Depth (ft.)		19.31	18.93	16.56
Purging/Sampling Device(s)			PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged		free product	5.6	7.5
Well Purged Dry? (Y/N)			N	N
Time Purging Completed (Military)			1515	1535
Time Sample Withdrawn (Military)		1530	1515	1535
Field Temperature (degrees C)			7.3	
Field Conductivity: Measured (u mhos/cm)			20000	
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)			7.32	
Alkalinity (mg/l)				
Color			brown	
Odor				
Turbidity			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			3/26/93	3/29/93
Chain of Custody Number				
Courier Shipping Number/Hand Delivered etc.			H.D.	H.D.

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha 1993 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	MW–38	MW–40	MW–41	MW–43
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/25/93	3/25/93	3/25/93	3/24/93
Sampled by	RJK	RAS	RJK	RJK
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	8.75	8.39	8.94	8.47
Measured Well Depth (ft.)	17.31	15.95	15.97	16.73
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	7.4	6.5	6	7.1
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1315	1145	1140	1550
Time Sample Withdrawn (Military)	1315	1145	1140	1550
Field Temperature (degrees C)	7.4	7.1	6.8	7.4
Field Conductivity: Measured (u mhos/cm)	1000	6500	6500	5800
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.28	7.93	7.97	7.05
Alkalinity (mg/l)				
Color	brown	brown	brown	
Odor		Sl. HC odor		
Turbidity	yes	Slight		
Other		oil sheen		

Sampling Container and Preservation Information

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

Shipping Information

Laboratory	SEI	SEI	SEI	SEI
Date Submitted	3/26/93	3/26/93	3/26/93	3/25/93
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	SUMP 1	SUMP 2	SUMP 3	SUMP 4
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	3/25/93	3/25/93	3/26/93	3/25/93
Sampled by	RJK	RJK	RAS	RAS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	3.63	Product at	23.19	11.53
Measured Well Depth (ft.)	Area Flooded	6.28'		
Purging/Sampling Device(s)		Water at		
Well Casing Volumes/Gallons Purged		6.32'		
Well Purged Dry? (Y/N)				
Time Purging Completed (Military)				
Time Sample Withdrawn (Military)	1030	1035	0940	1550
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 First 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

Sampling and Field Measurement/Observation

Sample Location Identification:	OBS. SUMP			
Water Type	Gndwtr			
Date	3/25/93			
Sampled by	RJK			
Reference Elevation (Top of riser etc.)	TOR			
Measured Depth to Water (ft.)	Product at			
Measured Well Depth (ft.)	7.38'			
Purging/Sampling Device(s)	Water at			
Well Casing Volumes/Gallons Purged	7.50'			
Well Purged Dry? (Y/N)				
Time Purging Completed (Military)				
Time Sample Withdrawn (Military)	1045			
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.				

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
11013	Chrysler Quarterly Sampling

SAMPLERS: R.J. Kraemer, J.M Noll

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOCs (8021)								SAMPLE TYPE
	MW-19	3/24/93	15:00		✓		3	✓	X							G.W
	MW-26	3/24/93	10:30		✓		2	✓								
	MW-27D	3/24/93	14:13		✓		2	✓								
	MW-27C	3/24/93	13:13		✓		2	✓								
	MW-18D	3/24/93	9:00		✓		3	✓	X							
	MW-27E	3/24/93	11:50		✓		2	✓								
	MW-20	3/24/93	16:00		✓		3	✓	X							
	MW-11B	3/24/93	13:10		✓		2	✓								
	MW-27A	3/24/93	14:15		✓		2	✓								
	MW-43	3/24/93	15:50		✓		3	✓	X							
	MW-28	3/24/93	13:30		✓		2	✓								
	MW-18	3/24/93	9:55		✓		3	✓	X							
	MW-17	3/24/93	15:30		✓		2	✓								

1/2

SAMPLE CONDITION: Run Ice

SAMPLE LOCATION: No cyanide analyses, insufficient sample volume

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
	/	C. Dunst	3/25 2:50
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
	/	L. Dorlon	3/26/93 2:50 PM

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.

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
11013	Chrysler Quarterly Sampling

SAMPLERS:

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOCs (8021)	SAMPLE TYPE
	MW-18A	3/1/93	8:40		✓		2	✓	C, W
	MW-18B	3/1/93	8:30		✓		2	✓	
	MW-25	3/1/93	15:15		✓		2	✓	
	MW-01B	3/1/93	10:00		✓		2	✓	
	MW-27B	3/1/93	11:00		✓		2	✓	
	MW-02B	3/1/93	11:10		✓		2	✓	
	MW-27	3/1/93	11:40		✓		2	✓	
	TRIBLNK	3/1/93					2	✓	

2/2

(Specify groundwater, soil, wastewater, sludge, etc.)

SAMPLE CONDITION: Rn Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
Richard J. Binder	3/1/93 13:38	C. Demet	3/2/93 13:50
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
C. Demet	3/2/93 13:38	L. Dahm	3/2/93 13:50

SPECIAL REQUESTS: Please Filter ~~~~ Samples for cyanide amidst in transfer containers prior to preservation.

REPORT TO: Richard J. Binder

NAME: Third Engineering, Inc.

ADDRESS: 325 E 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.

CHAIN OF CUSTODY RECORD

PROJ. NO. 11013 | PROJECT NAME: Triad Engineering Chrysler Quarterly Sampling

SAMPLERS: R. Schmidt, R. Kraemer

SEI #	STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOCs (8021)	TEST PARAMETERS: CN (Cyanide) 335.2	SAMPLE TYPE (1/2) (Specify groundwater, soil, wastewater, sludge, etc.)
	MW-29A	3/25/93	15:09		✓		2	✓		
	MW-16D	3/25/93	10:00		✓		3	✓	✓	
	MW-12	3/25/93	14:30		✓		2	✓		
	MW-31	3/25/93	14:00		✓		2	✓		
	MW-30	3/25/93	13:40		✓		2	✓		
	MW-40	3/25/93	11:45		✓		2	✓		
	MW-38D	3/25/93	13:25		✓		2	✓		
	MW-26A	3/25/93	15:15		✓		2	✓		
	MW-38	3/25/93	13:15		✓		2	✓		
	MW-16	3/25/93	10:00		✓		3	✓	✓	
	MW-29	3/25/93	14:03		✓		2	✓		
	MW-16A	3/25/93	11:05		✓		3	✓	✓	
	MW-41	3/25/93	11:40		✓		2	✓		

SAMPLE CONDITION: Rain Ice

SAMPLE LOCATION:

RELINQUISHED BY: Richard T. Bindra — DATE / TIME: 3/26/93 9:05

RECEIVED BY: C. Kraemer — DATE / TIME: 3/26/93 9:25

RELINQUISHED BY: C. Kraemer — DATE / TIME: 3/26/93 10:15

RECEIVED BY: [illegible] — DATE / TIME: 3/26/93 10AM

SPECIAL REQUESTS: Please filter samples for cyanide analysis in transfer containers prior to preservation.

REPORT TO: Richard T. Bindra

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.

CHAIN OF CUSTODY RECORD

PROJ. NO.: 11013
PROJECT NAME: Triad Engineering Chrysler Quarterly Sampling
SAMPLERS: R. Schaefer, R. Kraemer

SEI #	STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOCs (8021)	TEST PARAMETERS: Cal(Granic)335.2	SAMPLE TYPE
	MW-14	3/5/93	10:00		✓		3	✓	✓	2/2
	MW-18DD	3/5/93	16:45		✓		2		✓	
	T&P Blank					T.P. Blank	2	✓		

SAMPLE CONDITION: Ran Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
Richard J. Binder	3/4/93 19:05	C. Durnat	3/5/93 10:25
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
C. Durnat	3/5/93 9:25	L. Parker	3/5/93 11:15 AM

SPECIAL REQUESTS: Please filter samples for cyanide provided in transfer containers prior to preservation.

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) 783-8111
Fax (414) 783-5752

SWANSON ENVIRONMENTAL INC.

CHAIN OF CUSTODY RECORD

PROJ. NO. 11013-QS | PROJECT NAME: Chrysler

SAMPLERS: R.A. Schneider, R.S. Krgamer

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: BETX (8020)	VOCS (8021)	Cyanide (335.2)					SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
	MW-5	3/26/93	9:32		X		2	X							Groundwater
	MW-11	3/26/93	14:15		X		2		X						"
	MW-11C	3/26/93	14:50		X		2		X						
	MW-14	3/26/93	11:40		X		1			X					" (Filtered)
	MW-16	3/26/93	11:30		X		1			X					" "
	MW-16D	3/26/93	11:40		X		1			X					" "
	MW-18	3/26/93	16:40		X		1			X					" "
	MW-18E	3/26/93	16:50		X	[redacted]	1			X					" "
	MW-18C	3/26/93	16:00		X		3		X	X					" (Cyanide Filtered)
	MW-19	3/26/93	14:30		X		1			X					" (Filtered)
	MW-20	3/26/93	16:25		X		1			X					" "
	MW-21	3/26/93	13:00		X		2		X						"
	MW-16A	3/26/93	11:20		X		1			X					" (Filtered)

1/2

SAMPLE CONDITION: Rain Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME	SPECIAL REQUESTS:
[signature]	3/29 11:22 AM			
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**	
[signature]	3/29/93 11:20 AM			

REPORT TO: Rick Binder

NAME: Triad Engineering Inc

ADDRESS: 325 E. Chicago St. Milwaukee

PHONE:

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-QS	Chrysler

SAMPLERS: R.A. Schneider, R.J. Kraemer

SEI #	STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOCs (8011)	TEST PARAMETERS: Cyan. fa (335.2)	SAMPLE TYPE
	MW-21A	3/26/93	14:25		X		2	X		Groundwater
	MW-37	3/26/93	15:35		X		2	X		"
	MW-43	3/26/93	11:30		X		1		X	"

cyanide for 180

SAMPLE CONDITION: Ran Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
Robert A. Schneider	3/27 11:27 AM		
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
L. Porter	3/29/93 11:23 AM		

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.

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
10802	Triad Engineering, Inc #10802

SAMPLERS: R.A. Schneider

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: GRO*	DRO**	PVOCs (8020)	Lead				SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
	MW-3	3/24/93	16:07		✓	monitoring well	4	✓	✓	✓	✓				GRO* Wisconsin DNR
	MW-4	3/24/93	14:50		✓	monitoring well	4	✓	✓	✓	✓				Mod. F.J. GRC Method.
	Trip Blank	3/24/93				Trip Blank	2			✓					DRO** Wisconsin DNR
															Modified DRO Method
															Lead = Furnace TO MEET
															NR140 detection limits

SAMPLE CONDITION: Run Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
Richard J. Brader	3/25/93 11:50	C. Dunack	3/25/93 12:18
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
C. Dunack	3/25/93 12:18	D. Berlin	3/25/93 12:18 PM

SPECIAL REQUESTS: Please filter samples for lead provided in transfer containers prior to preservations.

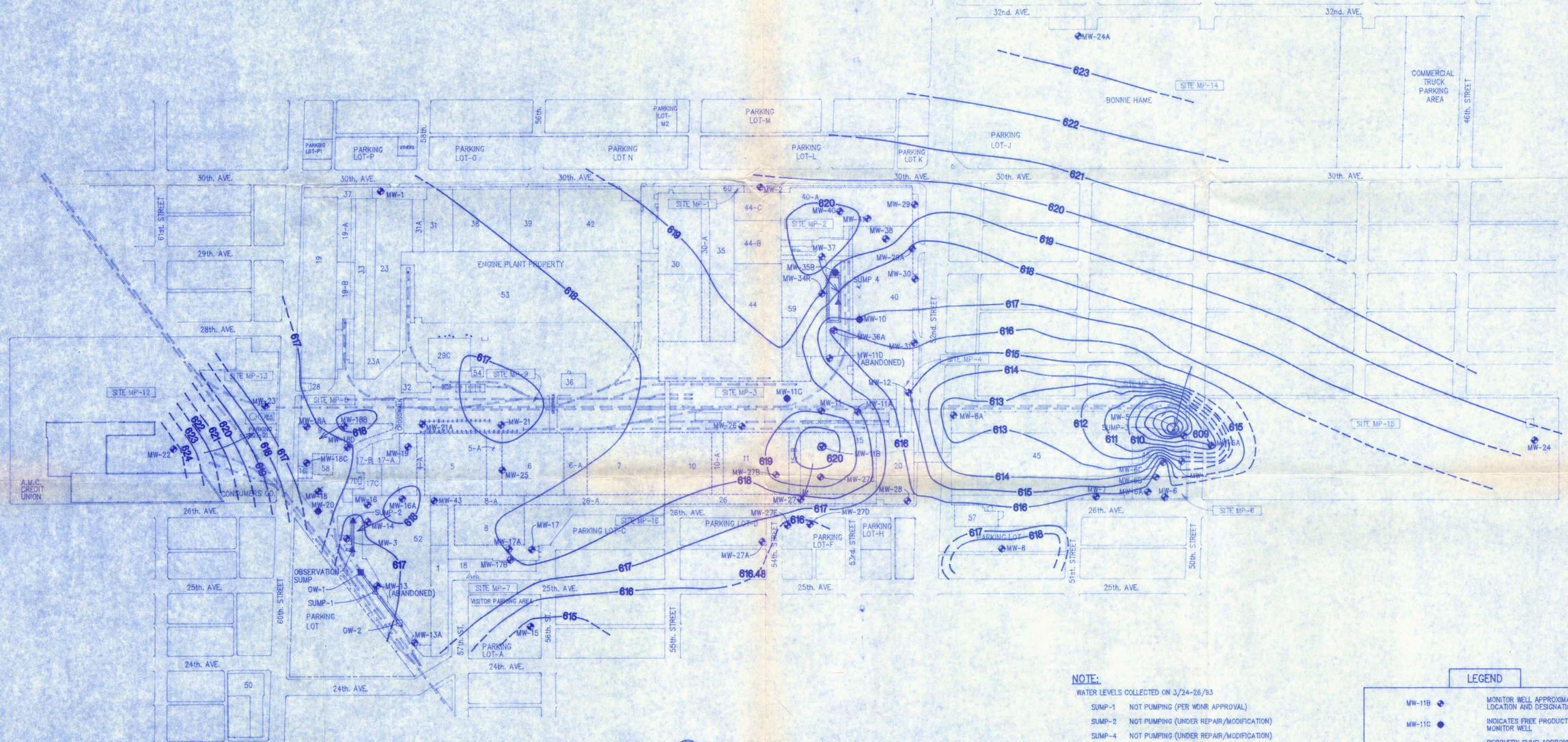
REPORT TO: Richard J. Brader
NAME: Triad Engineering, Inc.
ADDRESS: 325 East Chicago Street Milwaukee, WI 53202
PHONE: (414) 391-8440

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

SWANSON ENVIRONMENTAL INC.

ATTACHMENT C

DRAWINGS



NOTE:

WATER LEVELS COLLECTED ON 3/24-26/93

SUMP-1 NOT PUMPING (PER WDNR APPROVAL)

SUMP-2 NOT PUMPING (UNDER REPAIR/MODIFICATION)

SUMP-4 NOT PUMPING (UNDER REPAIR/MODIFICATION)

LEGEND

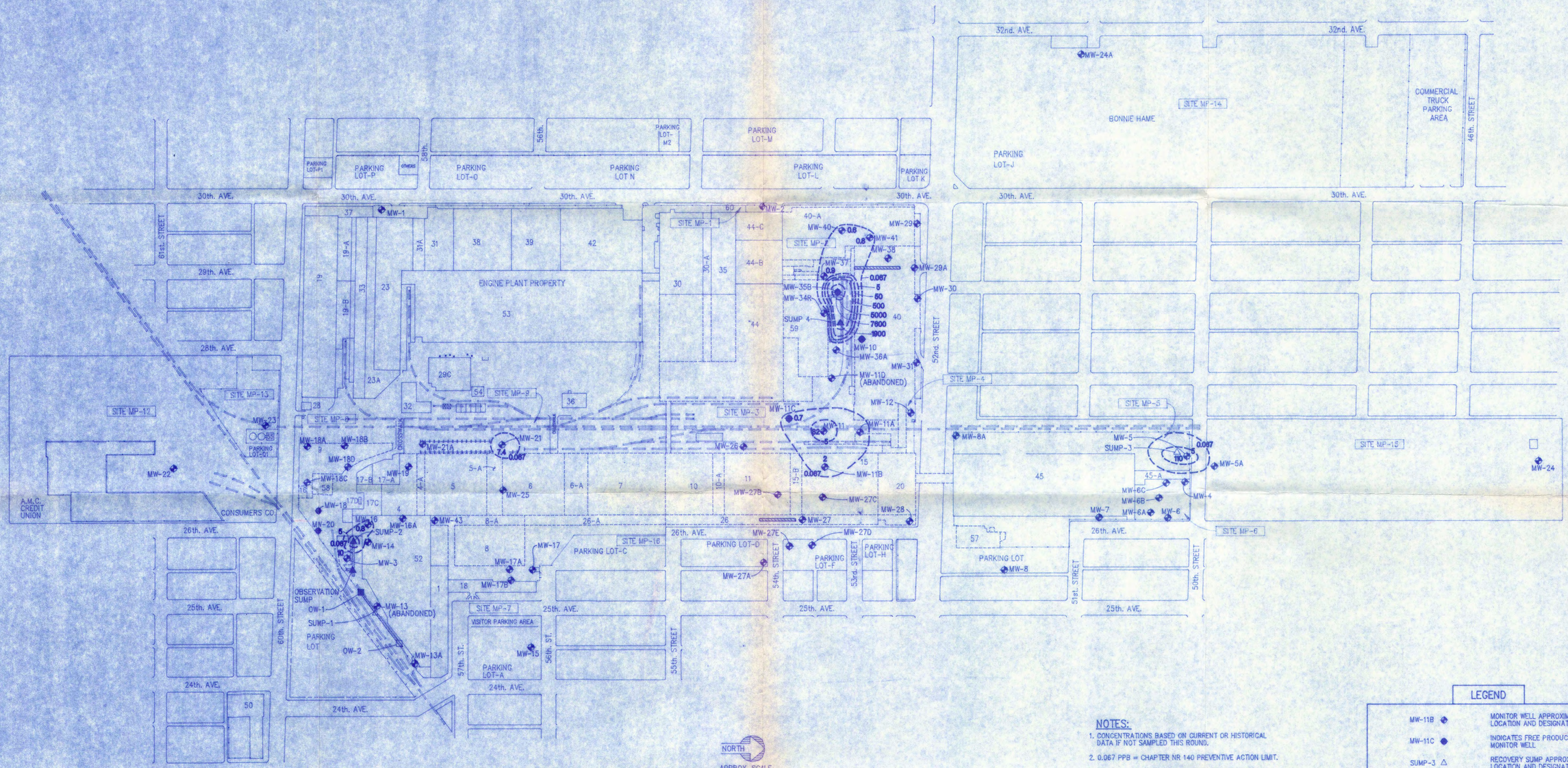
MW-11B	MONITOR WELL APPROXIMATE LOCATION AND DESIGNATION
MW-11C	INDICATES FREE PRODUCT IN MONITOR WELL
SUMP-3	RECOVERY SUMP APPROXIMATE LOCATION AND DESIGNATION
SUMP-2	INDICATES FREE PRODUCT IN SUMP
OW-2	OBSERVATION WELL APPROXIMATE LOCATION AND DESIGNATION
OW-1	INDICATES FREE PRODUCT IN OBSERVATION 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 BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	DSGN R.A.SCHNEIKER DR L.J.STANTON CHK R.J.BINDER APVD	NO.	DATE	REVISION	BY	APVD	TRIAD ENGINEERING INCORPORATED 325 East Chicago Street Milwaukee, Wisconsin 53202 (414)-291-8840 FAX 291-8841

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

SHEET NO.	
DWG NO.	11013-1
DATE	5/19/93
PROJ NO.	11013

230004500
1993 0610-43



NOTES:

1. CONCENTRATIONS BASED ON CURRENT OR HISTORICAL DATA IF NOT SAMPLED THIS ROUND.
2. 0.067 PPB = CHAPTER NR 140 PREVENTIVE ACTION LIMIT.
3. 5.0 PPB = CHAPTER NR 140 ENFORCEMENT STANDARD.

NORTH

APPROX. SCALE 1" = 200'

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
	PROPOSED RECOVERY SYSTEM TRENCH
	PROPERTY LINE
	FENCE LINE
12	ACTIVE BUILDING / NUMBER
12	DEMOLISHED BUILDING / NUMBER
5	BENZENE ISOCONCENTRATION LINE (PPB; DASHED WHERE INFERRED)

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

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

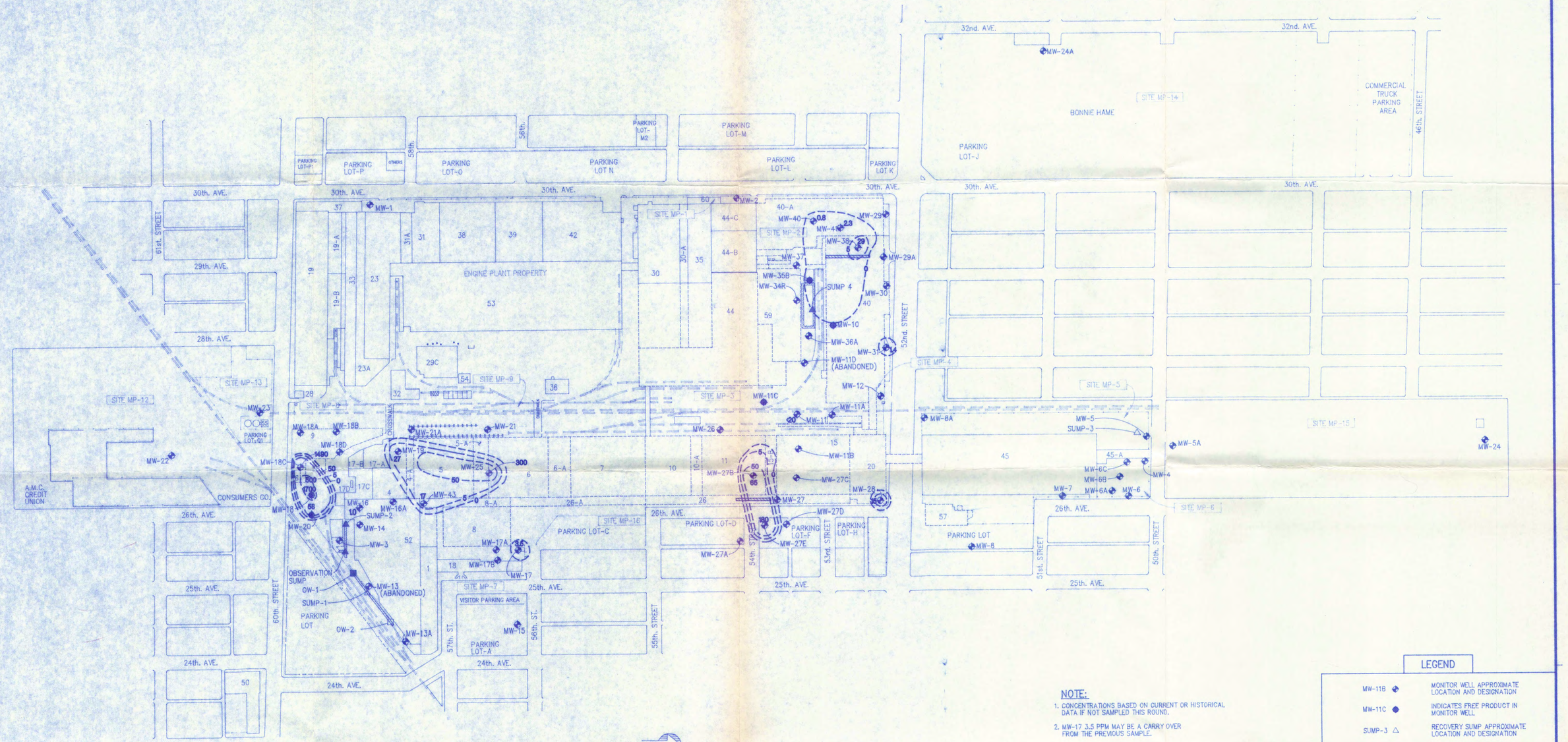
NO.	DATE	REVISION	BY	APVD

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

CHRYSLER CORPORATION
KENOSHA MAIN PLANT
BENZENE ISOCONCENTRATION MAP

SHEET NO.	
DWG NO.	11013-2
DATE	5/19/93
PROJ NO.	11013

23000450
19930610-43



NOTE:

1. CONCENTRATIONS BASED ON CURRENT OR HISTORICAL DATA IF NOT SAMPLED THIS ROUND.
2. MW-17 3.5 PPM MAY BE A CARRY OVER FROM THE PREVIOUS SAMPLE.

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
	PROPOSED RECOVERY SYSTEM TRENCH
	PROPERTY LINE
	FENCE LINE
12	ACTIVE BUILDING / NUMBER
12	DEMOLISHED BUILDING / NUMBER
5	TRICHLOROETHENE ISOCONCENTRATION LINE (PPB; DASHED WHERE INFERRED)

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 — 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	DSGN R.A.SCHNEIKER DR L.J.STANTON CHK R.J.BINDER APVD	NO.	DATE	REVISION	BY	APVD	TRIAD ENGINEERING INCORPORATED 325 East Chicago Street Milwaukee, Wisconsin 53202 (414)-291-8840 FAX 291-8841 ©1993 Triad Engineering

CHRYSLER CORPORATION
KENOSHA MAIN PLANT
TRICHLOROETHENE ISOCONCENTRATION MAP

SHEET NO.	
DWG NO.	11013-3
DATE	5/19/93
PROJ NO.	11013