GROUND-WATER MONITORING REPORT
DECEMBER 1992 QUARTERLY SAMPLING
CHRYSLER KENOSHA MAIN PLANT
KENOSHA, WISCONSIN

PREPARED FOR:

CHRYSLER CORPORATION
12000 CHRYSLER DRIVE
HIGHLAND PARK, MICHIGAN 48203

TRIAD ENGINEERING PROJECT NO. 10813

MARCH 1993

TRIAD ENGINEERING INCORPORATED

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

TRIAD
ENGINEERING
INCORPORATED

March 26, 1993

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

Subject: Ground-Water Monitoring Report
December 1992 Quarterly Sampling
Chrysler Corporation Kenosha Main Plant
Kenosha, Wisconsin

Dear Mr. Rose:

Triad Engineering, Inc. is pleased to present this ground-water monitoring report for sampling performed during December, 1992, at the Kenosha Main Plant. The work was performed in accordance with the scope of work specified in our proposal dated November 19, 1992, and included the following tasks:

- Water Table Mapping;
- Ground-Water Sampling;
- Computer Automated Summary Tables; and
- Isoconcentration Maps.

Proposed future work is also discussed herein.

Water-Table Map

A water-table map was prepared using ground-water level measurements collected on December 8 and 9, 1992. The water-table map is presented on Drawing 1. Ground-water continues to be drawn towards the existing ground-water recovery systems. Please note that Sump 1 is no longer in operation per WDNR approval. Sump 2 was not operating at the time of water level measurement due to freezing of the sump discharge line. A bid will be completed shortly to repair the line. Sump 4 is currently operating, but was in the recovery cycle at the time of water level measurement. Ground-water level data are presented in Attachment A.

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Ground-Water Sampling

Ground-water samples were collected between December 15 and 23, 1992. Ground-water sampling and analysis specifications are shown on Table 1. Sampling protocol followed the WDNR February, 1987, Ground-Water Sampling Guidelines. Samples were submitted to Swanson Environmental, Inc., Brookfield, Wisconsin.

Computer Automated Summary Tables

A summary of detected constituents is presented by site on Tables 2 through 9. These tables were produced via a database program which converted the analytical results as entered by Swanson Environmental, Inc. into a spreadsheet. The spreadsheet was imported into WordPerfect as a table and formatted. As requested, we have included a copy of the database as supplied by Swanson and spreadsheets produced by the database program. By this method, we have eliminated the potential for transpositional errors and have significantly reduced table preparation time.

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

Isoconcentration Maps

Isoconcentration maps were prepared for benzene, trichloroethene, and vinyl chloride (Drawings 2 through 4). Values used to produce the maps were from the current round of analytical results or based upon historical data if the well or sump was not sampled during the current round. These isoconcentration maps were produced to evaluate site conditions relative to existing and proposed ground-water recovery system locations. As requested, a detailed analysis and interpretation of the data transmitted herein has not been performed.

Proposed Work

Per a January 7, 1992 meeting with Pamela Mylotta of WDNR, one water-table monitor well (MW-44) is proposed to be installed on City of Kenosha property approximately 50 feet southeast of existing well MW-20 adjacent to 60th Street. The well will be installed in order to evaluate ground-water quality and ground-water flow (hydraulic control) in this area. Triad will obtain written permission from the city administrator, Don Holland to install the well.

The boring required to install the well will be performed using hollow stem auger techniques. Soil samples will be collected continuously using split spoon sampling in accordance with ASTM Method D1586-84 in order to characterize subsurface conditions. The boring will be logged and the soils described in the field via ASTM Method D-2488-90. A representative portion of each sample obtained will be screened in the field for the presence of volatile organic compounds (VOCs) with an HNu Model PI-101 Photoionization detector (PID). Visual and olfactory observations will also be made.

One soil sample, collected immediately above the water table will be submitted for laboratory analysis of the following parameters to evaluate soil conditions in the fluctuation zone above the water table:

Parameter	Criteria
VOCs (EPA Method 8021):	Petroleum VOCs; solvents
Diesel Range Organics (DRO: Wisconsin DNR Modified DRO Method)	No. 2 heating oil/diesel fuel
Total Recoverable Petroleum Hydrocarbons (TRPH: Wisconsin DNR Modified Version of EPA Draft Method 9073)	Soluble oil

The monitor well will be installed and developed in accordance with Chapter NR 141 Wisconsin Administrative Code (NR 141) requirements and will be flush mounted. Hydraulic testing will also be performed on the well to estimate the hydraulic conductivity of saturated materials proximate to the well screen, using the Bouwer and Rice method. The well will be sampled in conjunction with quarterly monitor well sampling for the same parameters as described above for soil.

Utility clearances and access to the drilling sites will be confirmed with the City of Kenosha and/or Chrysler prior to any site activities. Borehole tools will be steam cleaned as appropriate prior to site drilling on Chrysler property. Auger cuttings will be drummed, labeled in the field and stored on Chrysler property. Monitor well development and purge water will be disposed of in the ground-water recovery system sanitary sewer outfalls located on the Kenosha Main Plant property. The location/elevation of the

monitor well will be surveyed in the field (per NR 141) and will be included on the site drawing to be included in the quarterly sampling report. Appropriate borehole and well construction and development documentation including completion of forms supplied by the WDNR (Borehole Log #4400-122, Monitor Well Construction #4400-113A and Monitor Well Development #4400-113B) will be provided for submittal to the WDNR.

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/cl:10813-l

cc: Mr. Jack Bugno/Chrysler Kenosha

TABLE 1
DECEMBER 1992 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
DECEMBER 1992 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
DECEMBER 1992 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 Home 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 GROUND WATER SAMPLES
SITE MP-2

SAMPLE POINT DESIGNATION	MW-29	MW-29A	MW-30	MW-31	MW-34R	MW-36A	MW-37	MW-38	MW-40	MW-41	NR 140	
LABORATORY REPORT NUMBER	B1332	B1332	B1332	B1332	B1332	B1332	B1332	B1332	B1332	B1332		
DATE	12/21/92	12/21/92	12/21/92	12/21/92	12/21/92	12/21/92	12/21/92	12/21/92	12/21/92	12/21/92	Enforcement Standard**	PAL**
VOLATILE ORGANIC COMPOUNDS												
CHLOROETHANE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	50	< 1.0	33	< 1.0	< 1.0	400	80
DICHLORODIFLUOROMETHANE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	20	< 1.0	*	*
1,1-DICHLOROETHANE	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	220	16	< 0.8	850	85
CIS-1,2-DICHLOROETHENE	< 1.5	< 1.5	< 1.5	2.2	< 1.5	12	< 1.5	320	< 1.5	< 1.5	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	20	< 1.2	< 1.2	100	20
METHYLENE CHLORIDE	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	4.1	< 2.1	< 2.1	< 2.1	< 2.1	150	15
TOLUENE	< 0.7	1.7	1.9	1.9	< 0.7	2.3	< 0.7	1.7	1.6	< 0.7	343	68.6
1,1,1-TRICHLOROETHANE	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1.0	2.9	< 0.8	200	40
TRICHLOROETHENE	2.5	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	23	2.8	< 0.8	5	0.18
VINYL CHLORIDE	< 0.7	0.9	< 0.7	< 0.7	< 0.7	16	< 0.7	460	< 0.7	< 0.7	0.2	0.0015

Note: All values in µg/l (parts per billion)
* No Standards Currently Exist
** Per Chapter NR 140, Wisconsin Administrative Code
<0.8 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
Laboratory Analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, WDNR Certification #268181760

TABLE 3
SUMMARY OF DETECTED CONSTITUENTS IN GROUND WATER SAMPLES
SITE MP-3

SAMPLE POINT DESIGNATION	MW-11	MW-11B	NR 140	
LABORATORY REPORT NUMBER	B1332	B1332		
DATE	12/21/92	12/21/92	Enforcement Standard**	PAL**
VOLATILE ORGANIC COMPOUNDS				
BENZENE	69	< 0.8	5	.067
N-BUTYLBENZENE	6.0	< 1.1	*	*
CIS-1,2-DICHLOROETHENE	2.6	< 1.5	100	10
ETHYLBENZENE	510	< 0.5	1360	272
ISOPROPYLBENZENE	1.2	< 0.8	*	*
METHYLENE CHLORIDE	< 2.1	2.7	150	15
N-PROPYLBENZENE AND/OR BROMOBENZENE	35	< 0.9	*	*
TOLUENE	19	1.9	343	68.6
TRICHLOROETHENE	2.9	< 0.8	5	0.18
1,2,4-TRIMETHYLBENZENE	64	< 1.0	*	*
1,3,5-TRIMETHYLBENZENE AND/OR O-CHLOROTOLUENE	94	< 0.8	*	*
O-XYLENE	17	< 1.0	*	*
M&P-XYLENE	1100	< 1.0	*	*
XYLENES (TOTAL)***	1117	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 mdp-Xylene detections

<0.8 Indicates Laboratory Quantification Limit

PAL Preventive Action Limit

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

ND Not Detected

TABLE 4
SUMMARY OF DETECTED CONSTITUENTS IN GROUND WATER SAMPLES
SITE MP-4

SAMPLE POINT DESIGNATION	MW-12	NR 140	
LABORATORY REPORT NUMBER	B1332	Enforcement Standard * *	PAL * *
DATE	12/21/92		
VOLATILE ORGANIC COMPOUNDS			
TOLUENE	1.7	343	68.6

Note: All Values in µg/l (parts per billion)
* No Standards Currently Exist
* * Per Chapter NR 140, Wisconsin Administrative Code
<0.8 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
Laboratory Analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, WDNR Certification # 256181760

TABLE 5
SUMMARY OF DETECTED CONSTITUENTS IN GROUND WATER SAMPLES
SITE MP-5

SAMPLE POINT DESIGNATION	MW-5	NR 140	
LABORATORY REPORT NUMBER	B1332	Enforcement Standard**	PAL**
DATE	12/23/92		
VOLATILE ORGANIC COMPOUNDS			
BENZENE	68	5	.087
N-BUTYLBENZENE	2.5	*	*
TERT-BUTYLBENZENE	2.4	*	*
CHLOROETHANE	5.1	400	80
CIS-1,2-DICHLOROETHANE	3.6	100	10
ETHYLBENZENE	6.3	1360	272
N-PROPYLBENZENE AND/OR BROMOBENZENE	4.3	*	*
TOLUENE	1.9	343	68.6
1,3,5-TRIMETHYLBENZENE AND/OR O-CHLOROTOLUENE	4	*	*
VINYL CHLORIDE	0.8	0.2	0.0015
O-XYLENE	3.6	*	*
XYLENES (TOTAL)***	3.6	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 mdp-xylene detections
<0.8 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
Laboratory Analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, WDNR Certification # 268181760

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

SAMPLE POINT DESIGNATION	MW-14	MW-16	MW-16A	MW-17	MW-43	NR 140	
LABORATORY REPORT NUMBER	B1306	B1306	B1306	B1326, B1332	B1332, B1326		
DATE	12/15/92	12/15/92	12/15/92	12/22/92	12/22/92	Enforcement Standard * *	PAL * *
INORGANICS							
CYANIDE	< 10	500	20	< 10	< 10	200	40
VOLATILE ORGANIC COMPOUNDS							
CIS-1,2-DICHLOROETHENE	< 1.0	< 1.0	< 1.0	< 1.5	8.2	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	< 1.2	< 1.2	< 1.2	13	100	20
TRICHLOROETHENE	< 0.8	< 0.8	< 0.8	< 0.8	21	5	0.18

Note: All values in µg/l (parts per billion)
* No Standards Currently Exist
* * Per Chapter NR 140, Wisconsin Administrative Code
<0.8 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
Laboratory Analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, WDNR Certification #268181760

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

SAMPLE POINT DESIGNATION	MW-18	MW-18A	MW-18B	MW-18C	MW-18D	MW-19	MW-20	NR 140	
LABORATORY REPORT NUMBER	B1332, B1326	B1332	B1332	B1332, B1326	B1332, B1326	B1332, B1326	B1332, B1326		
DATE	12/22/92	12/22/92	12/22/92	12/22/92	12/22/92	12/22/92	12/22/92	Enforcement Standard**	PAL**
VOLATILE ORGANIC COMPOUNDS									
N-BUTYLBENZENE	< 1.1	< 2.1	< 1.1	< 1.1	2.0	< 1.1	< 11	*	*
CHLOROETHANE	1.1	< 1.0	< 1.0	2.4	< 1.0	0.6	53	400	80
1,1-DICHLOROETHANE	7.2	< 0.8	< 0.8	190	< 0.8	14	98	850	85
1,2-DICHLORDETHANE	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	14	< 9	5	0.05
1,1-DICHLOROETHENE	7.7	< 1.3	< 1.3	9.6	< 1.3	< 1.3	< 13	7	0.024
CIS-1,2-DICHLOROETHENE	680	< 1.5	< 1.5	960	< 1.5	8.6	410	100	10
TRANS-1,2-DICHLOROETHENE	690	< 1.2	< 1.2	93	< 1.2	1.5	24	100	20
1,1-DICHLOROPROPENE	< 0.5	< 0.5	< 0.5	4.5	< 0.5	< 0.5	< 5	*	*
ETHYLBENZENEE	< 0.5	< 7.6	< 0.5	< 0.5	< 0.5	< 0.5	< 5	1360	272
ISOPROPYLBENZENE	< 0.6	1.7	< 0.6	< 0.6	< 0.6	< 0.6	< 6	*	*
P-ISOPROPYLTOLUENE	< 0.7	< 0.7	< 0.7	< 0.7	2.2	< 0.7	< 7	*	*
N-PROPYLBENZENE AND/OR BROMOBENZENE	< 0.9	2.3	< 0.9	< 0.9	3.2	< 0.9	< 9	*	*
TOLUENE	1.5	2.1	1.9	< 0.7	1.5	< 0.7	< 7	343	68.6
1,1,1-TRICHLOROETHANE	8.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 8	200	40
TRICHLOROETHENE	1500	< 0.8	< 0.8	1100	< 0.8	46	53	5	0.18
1,2,4-TRIMETHYLBENZENE	< 1.0	4.4	< 1.0	< 1.0	9.2	< 1.0	< 10	*	*
1,3,5-TRIMETHYLBENZENE AND/OR O-CHLOROTOLUENE	< 0.8	2.1	< 0.8	< 0.8	2.7	< 0.8	< 8	*	*
VINYL CHLORIDE	2100	< 0.7	< 0.7	64	< 0.7	4.1	56	0.2	0.0015
O-XYLENE	< 1.0	1.5	< 1.0	< 1.0	2.5	< 1.0	< 10	*	*
M&P-XYLENE	< 1.0	9.9	< 1.0	< 1.0	1.5	< 1.0	< 10	*	*
XYLENES (TOTAL)***	ND	11.4	ND	ND	4.0	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 mdp-Xylene detections
<0.8 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
Laboratory Analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, WDNR Certification #268181760

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

SAMPLE POINT DESIGNATION	MW-21	MW-21A	NR 140	
LABORATORY REPORT NUMBER	B1332	B1332		
DATE	12/23/92	12/23/92	Enforcement Standard**	PAL**
VOLATILE ORGANIC COMPOUNDS				
BENZENE	3.4	< 0.6	5	.067
N-BUTYLBENZENE	6.8	< 1.1	*	*
CHLOROETHANE	< 1.0	44	400	80
CIS-1,2-DICHLOROETHENE	< 1.5	280	100	10
TRANS-1,2-DICHLOROETHENE	< 1.2	7.4	100	20
ETHYLBENZENE	1.7	< 0.5	1360	272
N-PROPYLBENZENE AND/OR BROMOBENZENE	12	< 0.9	*	*
TOLUENE	< 0.7	1.7	343	68.6
1,2,4-TRIMETHYLBENZENE	35	< 1.0	*	*
1,3,5-TRIMETHYLBENZENE AND/OR O-CHLOROTOLUENE	8.9	< 0.8	*	*
VINYL CHLORIDE	< 0.7	88	0.2	0.0015
O-XYLENE	2.0	< 1.0	*	*
M&P-XYLENE	1.4	< 1.0	*	*
XYLENES (TOTAL)***	3.4	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 mdp-Xylene detections
<0.8 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
Laboratory Analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, WDNR Certification #268181760
ND Not Detected

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

SAMPLE POINT DESIGNATION	MW-25	MW-26	MW-27	MW-27A	MW-27B	MW-27C	MW-27D	MW-27E	MW-28	NR 140	
LABORATORY REPORT NUMBER	B1332	B1332	B1332	B1332	B1332	B1332	B1332	B1332	B1332		
DATE	12/22/92	12/22/92	12/21/92	12/22/92	12/22/92	12/21/92	12/21/92	12/22/92	12/21/92	Enforcement Standard **	PAL **
VOLATILE ORGANIC COMPOUNDS											
BROMOFORM	2.5	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	4.4	0.44
CARBON TETRACHLORIDE	4.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	5	0.5
1,1-DICHLOROETHANE	< 0.8	< 0.8	12	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	850	85
CIS-1,2-DICHLOROETHENE	490	1.6	60	2.3	< 1.5	< 1.5	9.3	830	< 1.5	100	10
TRANS-1,2-DICHLOROETHENE	1480	< 1.2	120	< 1.2	< 1.2	< 1.2	5.7	< 1.2	< 1.2	100	20
1,1-DICHLOROPROPENE	< 0.5	< 0.5	2.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	*	*
ETHYLBENZENE	< 0.5	< 0.5	2.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1360	272
N-PROPYLBENZENE AND BROMOBENZENENE	< 0.9	< 0.9	1.4	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	*	*
TOLUENE	< 0.7	1.3	2.2	1.4	1.3	2.3	1.6	1.6	1.9	343	68.6
1,1,1-TRICHLOROETHANE	530	< 0.8	< 0.8	< 0.8	75	< 0.8	< 0.8	130	< 0.8	200	40
TRICHLOROETHENE	530	< 0.8	< 0.8	< 0.8	75	< 0.8	< 0.8	130	< 0.8	5	0.18
VINYL CHLORIDE	520	< 0.7	< 0.7	8.0	< 0.7	< 0.7	< 0.7	220	< 0.7	0.2	0.0015

Note: All values in µg/l (parts per billion)
* No Standards Currently Exist
** Per Chapter NR 140, Wisconsin Administrative Code
<0.8 Indicates Laboratory Quantification Limit
PAL Preventive Action Limit
Laboratory Analysis by Swanson Environmental, Inc., Brookfield, Wisconsin, AIHA Accreditation #352, WDNR Certification #268181760

ATTACHMENT A
WATER LEVEL DATA

WATER LEVEL DATA
CHRYSLER CORPORATION KENOSHA MAIN PLANT
KENOSHA, WISCONSIN

Well Number	Riser Elevation (feet)	Depth to Water (feet)	Date	Water Elevation (feet)
MW-1	624.72	7.26	12/09/92	617.46
MW-2	624.51	5.99	12/08/92	618.52
MW-3	623.21	NM		NM
MW-4	620.95	8.36	12/08/92	612.59
MW-5	620.82	13.86	12/09/92	606.96
MW-5A	621.35	13.52	12/09/92	607.83
MW-6	619.99	4.83	12/08/92	615.16
MW-6A	624.09	8.37	12/09/92	615.72
MW-6C	624.01	7.70	12/09/92	616.31
MW-7	620.58	4.47	12/08/92	616.11
MW-8	621.63	3.94	12/09/92	617.69
MW-8A	621.91	10.39	12/09/92	611.52
MW-10	628.82	10.84	12/09/92	617.98
MW-11	623.88	6.78	12/08/92	617.10
MW-11A	626.99	NM	--	NM
MW-11B	625.90	5.23	12/08/92	620.67
MW-11C	626.71	7.98	12/08/92	618.73
MW-11D	626.87	NM	--	NM
MW-12	625.86	11.48	12/08/92	614.38
MW-13A	627.25	11.36	12/09/92	615.89
MW-14	622.34	6.04	12/08/92	616.30
MW-15	624.31	9.82	12/08/92	614.49
MW-16	622.44	5.97	12/08/92	616.47
MW-16A	626.17	9.36	12/08/92	616.81
MW-17	622.79	5.72	12/08/92	617.07
MW-17A	626.79	9.35	12/08/92	617.44
MW-17B	627.10	9.92	12/09/92	617.18
MW-18	624.09	8.28	12/09/92	615.81
MW-18A	628.58	12.77	12/09/92	615.81
MW-18B	627.93	10.77	12/09/92	617.16
MW-18C	627.94	12.33	12/09/92	615.61
MW-18D	626.79	9.68	12/09/92	617.11
MW-19	622.40	5.71	12/09/92	616.69
MW-20	624.85	9.40	12/09/92	615.45

WATER LEVEL DATA
CHRYSLER CORPORATION KENOSHA MAIN PLANT
KENOSHA, WISCONSIN
(Continued)

Well Number	Riser Elevation (feet)	Depth to Water (feet)	Date	Water Elevation (feet)
MW-21	625.81	10.19	12/08/92	615.62
MW-21A	626.79	9.75	12/08/92	617.04
MW-22	627.01	5.43	12/08/92	621.58
MW-23	624.55	8.73	12/08/92	615.82
MW-24	619.87	2.49	12/08/92	617.38
MW-24A	630.06	6.72	12/09/92	623.34
MW-25	628.77	12.50	12/09/92	616.27
MW-26	626.24	9.42	12/08/92	616.82
MW-27	625.61	9.99	12/08/92	615.62
MW-27A	625.14	10.27	12/08/92	614.87
MW-27B	625.79	8.61	12/08/92	617.18
MW-27C	627.87	9.80	12/09/92	618.07
MW-27D	627.91	13.56	12/08/92	614.35
MW-27E	629.43	15.03	12/08/92	614.40
MW-28	623.69	8.18	12/08/92	615.51
MW-29	626.43	8.06	12/08/92	618.37
MW-29A	627.28	9.86	12/08/92	617.42
MW-30	625.82	9.70	12/08/92	616.12
MW-31	627.38	12.03	12/08/92	615.35
MW-34R	625.22	NM	--	NM
MW-35B	628.80	13.16	12/08/92	615.64
MW-36A	628.15	12.66	12/08/92	615.49
MW-37	628.72	10.25	12/08/92	618.47
MW-38	628.51	9.11	12/08/92	619.40
MW-40	628.67	9.15	12/08/92	619.52
MW-41	628.86	9.39	12/08/92	619.47
MW-43	626.00	9.73	12/09/92	616.27
Observation Sump	626.10	9.69	12/09/92	616.41
OW-1	620.83	3.85	12/09/92	616.98
OW-2	623.26	6.15	12/09/92	617.11
Sump-1	621.98	4.89	12/09/92	617.09
Sump-2	625.00	9.69	12/09/92	615.31
Sump-3	626.97	NM	--	NM
Sump-4	629.35	14.56	12/08/92	614.79
Tank Sump	0.00	12.06	12/09/92	Not Used

NM = Not Measured

ATTACHMENT B
GROUND-WATER LABORATORY RESULTS, CHAIN-OF-CUSTODY FORMS AND WATER SAMPLING FIELD DATA SUMMARY FORMS

SWANSON ENVIRONMENTAL INC.

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

WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B1306

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 7, 1993
PURCHASE ORDER:
SEI NO: WL3827
DATE COLLECTED: 12/15/92
DATE RECEIVED: 12/18/92
DATE ANALYZED: 12/22/92

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

Analyte	SEI ID / Sample ID	3827-1 MW-14	3827-2 MW-16	3827-3 MW-16A
EPA Method 335.2				
Cyanides, Dissolved		<0.01	0.50	0.02

ORIGINAL

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B1306

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 7, 1993
PURCHASE ORDER:
SEI NO: WL3827
DATE COLLECTED: 12/15/92
DATE RECEIVED: 12/18/92
DATE ANALYZED: 12/28/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3827-1 MW-14	3827-2 MW-16	3827-3 MW-16A
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		<1.1	<1.1	<1.1
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: January 7, 1993
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SEI NO: WL3827
DATE COLLECTED: 12/15/92
DATE RECEIVED: 12/18/92
DATE ANALYZED: 12/28/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3827-1 MW-14	3827-2 MW-16	3827-3 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		<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	<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		<2.1	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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REPORT NUMBER: B1306

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Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 7, 1993
PURCHASE ORDER:
SEI NO: WL3827
DATE COLLECTED: 12/15/92
DATE RECEIVED: 12/18/92
DATE ANALYZED: 12/28/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3827-1 MW-14	3827-2 MW-16	3827-3 MW-16A
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	<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

Rosemary L. Dineen
Laboratory Director

ORIGINAL

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B1326

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 12, 1993
PURCHASE ORDER:
SEI NO: WL3889
DATE COLLECTED: 12/22/92
DATE RECEIVED: 12/28/92
DATE ANALYZED: 01/05/93

Matrix: Groundwater
Source: Chrysler

Units: mg/l (ppm)

SEI ID	Sample ID	Cyanides, Dissolved
3889-1	MW-43	<0.01
3889-2	MW-20	<0.01
3889-3	MW-19	<0.01
3889-4	MW-18D	<0.01
3889-5	MW-17	<0.01
3889-6	MW-18	<0.01
3889-7	MW-18C	<0.01

EPA Method 335.2

Rosemary L. Dineen
Laboratory Director

ORIGINAL

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 12/28/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-1 MW-27A	3881-2 MW-26	3881-3* MW-20
EPA Method 8021					
78124	Benzene		<0.6	<0.6	<6
81555	Bromobenzene		<1.2	<1.2	<12
77297	Bromochloromethane		<1.1	<1.1	<11
32101	Bromodichloromethane		<0.9	<0.9	<9
32104	Bromoform		<2.1	<2.1	<21
34413	Bromomethane		<1.0	<1.0	<10
77342	n-Butylbenzene		<1.1	<1.1	<11
77350	sec-Butylbenzene		<0.7	<0.7	<7
77353	tert-Butylbenzene		<1.5	<1.5	<15
32102	Carbon tetrachloride		<0.8	<0.8	<8
34301	Chlorobenzene		<0.6	<0.6	<6
34306	Chlorodibromomethane		<1.5	<1.5	<15
34311	Chloroethane		<1.0	<1.0	53
32106	Chloroform		<0.5	<0.5	<5
34418	Chloromethane		<1.0	<1.0	<10
77275	2-Chlorotoluene		<1.0	<1.0	<10
77277	4-Chlorotoluene		<1.0	<1.0	<10
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0	<10
77651	1,2-Dibromoethane		<3.0	<3.0	<30
77596	Dibromomethane		<1.2	<1.2	<12

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ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 12/28/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-1 MW-27A	3881-2 MW-26	3881-3* MW-20
EPA Method 8021					
34536	1,2-Dichlorobenzene		<1.0	<1.0	<10
34566	1,3-Dichlorobenzene		<1.0	<1.0	<10
34571	1,4-Dichlorobenzene		<1.0	<1.0	<10
34668	Dichlorodifluoromethane		<1.0	<1.0	<10
34496	1,1-Dichloroethane		<0.8	<0.8	98
32103	1,2-Dichloroethane		<0.9	<0.9	<9
34501	1,1-Dichloroethene		<1.3	<1.3	<13
77093	cis-1,2-Dichloroethene		2.3	1.6	410
34546	trans-1,2-Dichloroethene		<1.2	<1.2	24
34541	1,2-Dichloropropane		<1.0	<1.0	<10
77173	1,3-Dichloropropane		<1.0	<1.0	<10
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0	<10
77168	1,1-Dichloropropene		<0.5	<0.5	<5
78113	Ethylbenzene		<0.5	<0.5	<5
34391	Hexachlorobutadiene		<0.8	<0.8	<8
77223	Isopropylbenzene		<0.6	<0.6	<6
77356	p-Isopropyltoluene		<0.7	<0.7	<7
34423	Methylene chloride		<2.1	<2.1	<21
34696	Naphthalene		<1.5	<1.5	<15

ORIGINAL

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ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 12/28/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-1 MW-27A	3881-2 MW-26	3881-3* MW-20
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	<9
77128	Styrene		<1.0	<1.0	<10
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6	<6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5	<15
34475	Tetrachloroethene		<0.9	<0.9	<9
78131	Toluene		1.4	1.3	<7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0	<10
34551	1,2,4-Trichlorobenzene		<0.6	<0.6	<6
34506	1,1,1-Trichloroethane		<0.8	4.0	<8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<10
39180	Trichloroethene		<0.8	<0.8	53
34488	Trichlorofluoromethane		<0.8	<0.8	<8
77443	1,2,3-Trichloropropane		<1.5	<1.5	<15
77222	1,2,4-Trimethylbenzene		<1.0	<1.0	<10
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	<8
39175	Vinyl chloride		8.0	<0.7	56
77135	o-Xylenes		<1.0	<1.0	<10
85795	m & p Xylenes		<1.0	<1.0	<10

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

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ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 12/28/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-4 MW-27E	3881-5 MW-27B	3881-6 MW-25
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	2.5
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	4.8
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
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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 12/28/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-4 MW-27E	3881-5 MW-27B	3881-6 MW-25
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		830	<1.5	490
34546	trans-1,2-Dichloroethene		<1.2	<1.2	1,480
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	3881-4 MW-27E	3881-5 MW-27B	3881-6 MW-25
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		1.6	1.3	<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		130	75	530
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		220	<0.7	620
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	3881-7 MW-29	3881-8 MW-29A	3881-9 MW-27
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	3881-7 MW-29	3881-8 MW-29A	3881-9 MW-27
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	12
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	60
34546	trans-1,2-Dichloroethene		<1.2	<1.2	120
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	2.8
78113	Ethylbenzene		<0.5	<0.5	2.0
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	3881-7 MW-29	3881-8 MW-29A	3881-9 MW-27
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	1.4
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	1.7	2.2
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	34
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		2.5	<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	0.9	<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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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-10 MW-27D	3881-11 MW-28	3881-12 MW-21
EPA Method 8021					
78124	Benzene		<0.6	<0.6	3.4
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	6.8
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	3881-10 MW-27D	3881-11 MW-28	3881-12 MW-21
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		9.3	<1.5	<1.5
34546	trans-1,2-Dichloroethene		5.7	<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	1.7
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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Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-10 MW-27D	3881-11 MW-28	3881-12 MW-21
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	12
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		1.6	1.9	<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	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		<0.8	<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	35
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	8.9
39175	Vinyl chloride		<0.7	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	2.0
85795	m & p Xylenes		<1.0	<1.0	1.4

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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-13 MW-21A	3881-14 MW-40	3881-15 MW-31
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		44	<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	3881-13 MW-21A	3881-14 MW-40	3881-15 MW-31
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	20	<1.0
34496	1,1-Dichloroethane		<0.8	16	<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		280	<1.5	2.2
34546	trans-1,2-Dichloroethene		7.4	<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

SWANSON ENVIRONMENTAL INC.

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

ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 12/28&29/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-13 MW-21A	3881-14 MW-40	3881-15 MW-31
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		1.7	1.6	1.9
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	2.9	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		<0.8	2.8	<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		88	<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: 12/29/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-16 MW-38	3881-17 MW-41	3881-18 MW-30
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		33	<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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ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 12/29/92

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-16 MW-38	3881-17 MW-41	3881-18 MW-30
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		220	<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		320	<1.5	<1.5
34546	trans-1,2-Dichloroethene		20	<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	3881-16 MW-38	3881-17 MW-41	3881-18 MW-30
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		1.7	<0.7	1.9
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		1.0	<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		23	<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		460	<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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Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-19 MW-43	3881-20 MW-37	3881-21 MW-36A
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	50
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	3881-19 MW-43	3881-20 MW-37	3881-21 MW-36A
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		8.2	<1.5	12
34546	trans-1,2-Dichloroethene		13	<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	4.1
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	3881-19 MW-43	3881-20 MW-37	3881-21 MW-36A
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	2.3
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		21	<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	16
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	3881-22 MW-34R	3881-23 MW-27C	3881-24 MW-11
EPA Method 8021					
78124	Benzene		<0.6	<0.6	68
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	6.0
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	3881-22 MW-34R	3881-23 MW-27C	3881-24 MW-11
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	<1.5	2.6
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	510
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6	1.2
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	3881-22 MW-34R	3881-23 MW-27C	3881-24 MW-11
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		<0.9	<0.9	35
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	2.3	19
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	2.9
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	64
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		<0.8	<0.8	94
39175	Vinyl chloride		<0.7	<0.7	<0.7
77135	o-Xylenes		<1.0	<1.0	17
85795	m & p Xylenes		<1.0	<1.0	1,100

ORIGINAL

SWANSON ENVIRONMENTAL INC.

3150 North Brookfield Road
Brookfield, Wisconsin 53045
telephone (414) 783-6111
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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 01/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-25 MW-12	3881-26 MW-11B	3881-27 MW-17
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	3881-25 MW-12	3881-26 MW-11B	3881-27 MW-17
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	<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		<2.1	2.7	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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DATE ANALYZED: 01/04/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-25 MW-12	3881-26 MW-11B	3881-27 MW-17
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		1.7	1.9	<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	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		<0.8	<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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REPORT NUMBER: B1332

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325 East Chicago Street
Milwaukee, WI 53202

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 01/04&05/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-28 MW-18C	3881-29 MW-18	3881-30 MW-19
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		2.4	1.1	6.6
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	3881-28 MW-18C	3881-29 MW-18	3881-30 MW-19
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		190	7.2	14
32103	1,2-Dichloroethane		<0.9	<0.9	14
34501	1,1-Dichloroethene		9.6	7.7	<1.3
77093	cis-1,2-Dichloroethene		960	680	8.6
34546	trans-1,2-Dichloroethene		93	690	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		4.5	<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	3881-28 MW-18C	3881-29 MW-18	3881-30 MW-19
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	1.5	<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	8.3	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0	<1.0
39180	Trichloroethene		1,100	1,600	46
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		64	2,100	4.1
77135	o-Xylenes		<1.0	<1.0	<1.0
85795	m & p Xylenes		<1.0	<1.0	<1.0

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DATE COLLECTED: 12/21-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: 01/05/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-31 MW-18A	3881-32 MW-18B	3881-33 MW-18D
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		2.1	<1.1	2.0
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	3881-31 MW-18A	3881-32 MW-18B	3881-33 MW-18D
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	<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		7.6	<0.5	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8	<0.8
77223	Isopropylbenzene		1.7	<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7	2.2
34423	Methylene chloride		<2.1	<2.1	<2.1
34696	Naphthalene		<1.5	<1.5	<1.5

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DATE RECEIVED: 12/23/92
DATE ANALYZED: 01/05/93

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID Sample ID	3881-31 MW-18A	3881-32 MW-18B	3881-33 MW-18D
EPA Method 8021					
77224	n-Propylbenzene and/or Bromobenzene		2.3	<0.9	3.2
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		2.1	1.9	1.5
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	<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		4.4	<1.0	9.2
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		2.1	<0.8	2.7
39175	Vinyl chloride		<0.7	<0.7	<0.7
77135	o-Xylenes		1.5	<1.0	2.5
85795	m & p Xylenes		9.9	<1.0	1.5

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Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/14-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: See Below

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	3881-34* 01/06/93 MW-5	3881-35 12/28/92 Trip Blank
EPA Method 8021				
78124	Benzene		68	<0.6
81555	Bromobenzene		<1.2	<1.2
77297	Bromochloromethane		<1.1	<1.1
32101	Bromodichloromethane		<0.9	<0.9
32104	Bromoform		<2.1	<2.1
34413	Bromomethane		<1.0	<1.0
77342	n-Butylbenzene		2.5	<1.1
77350	sec-Butylbenzene		<0.7	<0.7
77353	tert-Butylbenzene		2.4	<1.5
32102	Carbon tetrachloride		<0.8	<0.8
34301	Chlorobenzene		<0.6	<0.6
34306	Chlorodibromomethane		<1.5	<1.5
34311	Chloroethane		5.1	<1.0
32106	Chloroform		<0.5	<0.5
34418	Chloromethane		<1.0	<1.0
77275	2-Chlorotoluene		<1.0	<1.0
77277	4-Chlorotoluene		<1.0	<1.0
38437	1,2-Dibromo-3-chloropropane		<1.0	<1.0
77651	1,2-Dibromoethane		<3.0	<3.0
77596	Dibromomethane		<1.2	<1.2

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ANALYTICAL REPORT

REPORT NUMBER: B1332

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

Attn: Mr. Rick Binder
Project #10813.QS

DATE: January 13, 1993
PURCHASE ORDER:
SEI NO: WL3881
DATE COLLECTED: 12/14-23/92
DATE RECEIVED: 12/23/92
DATE ANALYZED: See Below

Matrix: Groundwater
Source: Chrysler

Units: ug/l (ppb)

DNR #	Analyte	SEI ID / Sample ID	3881-34* 01/06/93 MW-5	3881-35 12/28/92 Trip Blank
EPA Method 8021				
34536	1,2-Dichlorobenzene		<1.0	<1.0
34566	1,3-Dichlorobenzene		<1.0	<1.0
34571	1,4-Dichlorobenzene		<1.0	<1.0
34668	Dichlorodifluoromethane		<1.0	<1.0
34496	1,1-Dichloroethane		<0.8	<0.8
32103	1,2-Dichloroethane		<0.9	<0.9
34501	1,1-Dichloroethene		<1.3	<1.3
77093	cis-1,2-Dichloroethene		3.6	<1.5
34546	trans-1,2-Dichloroethene		<1.2	<1.2
34541	1,2-Dichloropropane		<1.0	<1.0
77173	1,3-Dichloropropane		<1.0	<1.0
77170	2,2-Dichloropropane and/or 1,2-Dichloropropane		<1.0	<1.0
77168	1,1-Dichloropropene		<0.5	<0.5
78113	Ethylbenzene		6.3	<0.5
34391	Hexachlorobutadiene		<0.8	<0.8
77223	Isopropylbenzene		<0.6	<0.6
77356	p-Isopropyltoluene		<0.7	<0.7
34423	Methylene chloride		<2.1	<2.1
34696	Naphthalene		<1.5	<1.5

ORIGINAL

SWANSON ENVIRONMENTAL INC.

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

WDNR Certification #268181760

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DNR #	Analyte	SEI ID / Sample ID	3881-34* 01/06/93 MW-5	3881-35 12/28/92 Trip Blank
EPA Method 8021				
77224	n-Propylbenzene and/or Bromobenzene		4.3	<0.9
77128	Styrene		<1.0	<1.0
77562	1,1,1,2-Tetrachloroethane		<0.6	<0.6
34516	1,1,2,2-Tetrachloroethane		<1.5	<1.5
34475	Tetrachloroethene		<0.9	<0.9
78131	Toluene		1.9	<0.7
77613	1,2,3-Trichlorobenzene		<1.0	<1.0
34551	1,2,4-Trichlorobenzene		<0.6	<0.6
34506	1,1,1-Trichloroethane		<0.8	<0.8
34511	1,1,2-Trichloroethane		<1.0	<1.0
39180	Trichloroethene		<0.8	<0.8
34488	Trichlorofluoromethane		<0.8	<0.8
77443	1,2,3-Trichloropropane		<1.5	<1.5
77222	1,2,4-Trimethylbenzene		<1.0	<1.0
77226	1,3,5-Trimethylbenzene and/or O-Chlorotoluene		4.0	<0.8
39175	Vinyl chloride		0.8	<0.7
77135	o-Xylenes		3.6	<1.0
85795	m & p Xylenes		<1.0	<1.0

* Sample run past holding time, results must be considered minimum values.

Rosemary L. Dineen
Laboratory Director

ORIGINAL

WATER SAMPLING FIELD DATA SUMMARY

Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW-5	MW-11	MW-11A	MW-11B
Water Type	Gndwtr	Gndwtr	Damaged	Gndwtr
Date	12/23/92	12/21/92	Not Sampled	12/22/92
Sampled by	RK/JS	RS/RK/KS		RS/RK/KS
Reference Elevation (Top of riser etc.)	TOR	TOR		TOR
Measured Depth to Water (ft.)	13.49	6.14		5.27
Measured Well Depth (ft.)	17.64	14.09		16.14
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer		PVC Bailer
Well Casing Volumes/Gallons Purged	3.4	6.5		8.9
Well Purged Dry? (Y/N)	N	N		N
Time Purging Completed (Military)	1040	1340		1550
Time Sample Withdrawn (Military)	1040	1340		1550
Field Temperature (degrees C)	11	10.1		10.1
Field Conductivity: Measured (u mhos/cm)		900		420
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.15	6.88		8.10
Alkalinity (mg/l)				
Color	Brown			
Odor	Hydrocarbon	Hydrocarbon		
Turbidity	Very	Some		Some
Other				
Sample Container/Preservation Information				
Sample Parameter(s)	BETX/8020	VOC/8021		VOC/8021
# Of Containers & Volume	2/40 ml	2/40 ml		2/40 ml
Container Type (amber glass, clear glass, plastic etc.)	glass	glass		glass
Filtered/Unfiltered	Unfiltered	Unfiltered		Unfiltered
Preserved/Unpreserved/Type	HCl	HCl		HCl
Refrigerated/on Ice	Ice	Ice		Ice
Shipping Information				
Laboratory	SEI	SEI		SEI
Date Submitted	12/23/92	12/23/92		12/23/92
Chain of Custody Number	3:15 p.m.	3:15 p.m.		3:15 p.m.
Courier Shipping Number/Hand Delivered etc.	Hand	Hand		Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW-11C	MW-12	MW-26	MW-27
Water Type	Free Product	Gndwtr	Gndwtr	Gndwtr
Date	Not Sampled	12/22/92	12/22/92	12/21/92
Sampled by		RS/RK/KS	RK/KS	RS/RK/KS
Reference Elevation (Top of riser etc.)		TOR	TOR	TOR
Measured Depth to Water (ft.)		11.30	9.16	9.43
Measured Well Depth (ft.)		20.44	17.33	19.74
Purging/Sampling Device(s)		PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged		7.5	6.7	8.4
Well Purged Dry? (Y/N)		N	N	N
Time Purging Completed (Military)		1300	1000	1015
Time Sample Withdrawn (Military)		1300	1000	1015
Field Temperature (degrees C)		11.1	8.3	7.8
Field Conductivity: Measured (u mhos/cm)		1300		1000
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)		7.74	7.17	7.04
Alkalinity (mg/l)				
Color				
Odor		Hydrocarbon	None	None
Turbidity		Some	Some	Some
Other				
Sample Container/Preservation Information				
Sample Parameter(s)		VOC/8021	VOC/8021	VOC/8021
# Of Containers & Volume		2/40 ml	2/40 ml	2/40 ml
Container Type (amber glass, clear glass, plastic etc.)		glass	glass	glass
Filtered/Unfiltered		Unfiltered	Unfiltered	Unfiltered
Preserved/Unpreserved/Type		HCl	HCl	HCl
Refrigerated/on Ice		Ice	Ice	Ice
Shipping Information				
Laboratory		SEI	SEI	SEI
Date Submitted		12/23/92	12/23/92	12/23/92
Chain of Custody Number		3:15 p.m.	3:15 p.m.	3:15 p.m.
Courier Shipping Number/Hand Delivered etc.		Hand	Hand	Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW-27A	MW-27B	MW-27C	MW-27D
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	12/22/92	12/22/92	12/21/92	12/21/92
Sampled by	RK/KS	RK/KS	RS/RK/KS	RS/RK/KS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	10.00	8.38	9.2	13.1
Measured Well Depth (ft.)	18.03	17.94	20.36	22.36
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	6.6	7.8	9.1	7.6
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1300	1320	1320	1330
Time Sample Withdrawn (Military)	1300	1320	1320	1330
Field Temperature (degrees C)	8.4	7.3	8.7	9.6
Field Conductivity: Measured (u mhos/cm)			1000	1200
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.98	7.25	6.76	7.18
Alkalinity (mg/l)				
Color	Brown	Brown	Brown	Brown
Odor	None	None	None	None
Turbidity	Some	Some	Some	Some
Other				
Sample Container/Preservation Information				
Sample Parameter(s)	VOC/8021	VOC/8021	VOC/8021	VOC/8021
# Of Containers & Volume	2/40 ml	2/40 ml	2/40 ml	2/40 ml
Container Type (amber glass, clear glass, plastic etc.)	glass	glass	glass	glass
Filtered/Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Preserved/Unpreserved/Type	HCl	HCl	HCl	HCl
Refrigerated/on Ice	Ice	Ice	Ice	Ice
Shipping Information				
Laboratory	SEI	SEI	SEI	SEI
Date Submitted	12/23/92	12/23/92	12/23/92	12/23/92
Chain of Custody Number	3:15 p.m.	3:15 p.m.	3:15 p.m.	3:15 p.m.
Courier Shipping Number/Hand Delivered etc.	Hand	Hand	Hand	Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW-21	MW-21A	MW-25	MW-43
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	12/23/92	12/23/92	12/22/92	12/22/92
Sampled by	RK/JS	RK/JS	RK/KS	RK/KS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	10.21	9.78	12.35	9.65
Measured Well Depth (ft.)	16.33	16.5	19.98	16.73
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	5.0	5.5	6.3	5.8
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	920	945	1505	1020
Time Sample Withdrawn (Military)	920	945	1505	1020
Field Temperature (degrees C)	10	10	10.3	8.5
Field Conductivity: Measured (u mhos/cm)				
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.06	7.32	6.84	7.07
Alkalinity (mg/l)				
Color	Brown	Clear	Brown	Brown
Odor	None	None	None	None
Turbidity	Very	N	Very	Very
Other				
Sample Container/Preservation Information				
Sample Parameter(s)	VOC/8021	VOC/8021	VOC/8021	VOC/8021
# Of Containers & Volume	2/40 ml	2/40 ml	2/40 ml	2/40 ml
Container Type (amber glass, clear glass, plastic etc.)	glass	glass	glass	glass
Filtered/Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Preserved/Unpreserved/Type	HCl	HCl	HCl	HCl
Refrigerated/on Ice	Ice	Ice	Ice	Ice
Shipping Information				
Laboratory	SEI	SEI	SEI	SEI
Date Submitted	12/23/92	12/23/92	12/23/92	12/23/92
Chain of Custody Number	3:15 p.m.	3:15 p.m.	3:15 p.m.	3:15 p.m.
Courier Shipping Number/Hand Delivered etc.	Hand	Hand	Hand	Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW–27E	MW–28	MW–29	MW–29A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	12/22/92	12/21/92	12/21/92	12/21/92
Sampled by	RK/KS	RS/RK/KS	RS/RK/KS	RS/RK/KS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	14.75	7.81	7.76	9.73
Measured Well Depth (ft.)	23.25	18.08	20.94	22.5
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	7.0	8.4	10.8	10.5
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1400	1430	1230	1240
Time Sample Withdrawn (Military)	1400	1430	1230	1240
Field Temperature (degrees C)	7.3	9.2	10.0	10.7
Field Conductivity: Measured (u mhos/cm)		1000	1300	800
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.25	7.08	7.48	7.48
Alkalinity (mg/l)				
Color	Brown	Brown	Brown	Brown
Odor	None	None	None	None
Turbidity	Some	Very	Some	Some
Other				
Sample Container/Preservation Information				
Sample Parameter(s)	VOC/8021	VOC/8021	VOC/8021	VOC/8021
# Of Containers & Volume	2/40 ml	2/40 ml	2/40 ml	2/40 ml
Container Type (amber glass, clear glass, plastic etc.)	glass	glass	glass	glass
Filtered/Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Preserved/Unpreserved/Type	HCl	HCl	HCl	HCl
Refrigerated/on Ice	Ice	Ice	Ice	Ice
Shipping Information				
Laboratory	SEI	SEI	SEI	SEI
Date Submitted	12/23/92	12/23/92	12/23/92	12/23/92
Chain of Custody Number	3:15 p.m.	3:15 p.m.	3:15 p.m.	3:15 p.m.
Courier Shipping Number/Hand Delivered etc.	Hand	Hand	Hand	Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW–30	MW–31	MW–34R	MW–36A
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	12/21/92	12/21/92	12/21/92	12/21/92
Sampled by	RS/RK/KS	RS/RK/KS	RS/RK/KS	RS/RK/KS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	9.38	11.67	7.6	12.56
Measured Well Depth (ft.)	23.16	21.84	11.44	18.05
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	11.3	8.3	3.2	4.5
Well Purged Dry? (Y/N)	N	N	Y	N
Time Purging Completed (Military)	1250	1300	1615	1305
Time Sample Withdrawn (Military)	1250	1300	1615	1305
Field Temperature (degrees C)	10.2	10.1	8.7	11.0
Field Conductivity: Measured (u mhos/cm)	1250	1300	6800	1900
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.7	7.43	6.99	6.79
Alkalinity (mg/l)				
Color	Brown	Brown	Brown	Brown
Odor	None	None	None	None
Turbidity	Some	Some	Some	Some
Other				
Sample Container/Preservation Information				
Sample Parameter(s)	VOC/8021	VOC/8021	VOC/8021	VOC/8021
# Of Containers & Volume	2/40 ml	2/40 ml	2/40 ml	2/40 ml
Container Type (amber glass, clear glass, plastic etc.)	glass	glass	glass	glass
Filtered/Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Preserved/Unpreserved/Type	HCl	HCl	HCl	HCl
Refrigerated/on Ice	Ice	Ice	Ice	Ice
Shipping Information				
Laboratory	SEI	SEI	SEI	SEI
Date Submitted	12/23/92	12/23/92	12/23/92	12/23/92
Chain of Custody Number	3:15 p.m.	3:15 p.m.	3:15 p.m.	3:15 p.m.
Courier Shipping Number/Hand Delivered etc.	Hand	Hand	Hand	Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW-37	MW-38	MW-40	MW-41
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	12/21/92	12/21/92	12/21/92	12/21/92
Sampled by	RS/RK/KS	RS/RK/KS	RS/RK/KS	RS/RK/KS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	9.58	9.63	8.81	9.00
Measured Well Depth (ft.)	16.49	17.38	16.23	15.99
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	5.7	6.4	6.1	5.7
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1115	1045	1110	1100
Time Sample Withdrawn (Military)	1115	1045	1110	1100
Field Temperature (degrees C)	8.5	8.4	9.0	9.5
Field Conductivity: Measured (u mhos/cm)	890	780	1800	700
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.55	7.00	7.1	7.53
Alkalinity (mg/l)				
Color	Brown	Brown	Brown	Brown
Odor	None	None	None	None
Turbidity	Some	Some	Some	Some
Other				
Sample Container/Preservation Information				
Sample Parameter(s)	VOC/8021	VOC/8021	VOC/8021	VOC/8021
# Of Containers & Volume	2/40 ml	2/40 ml	2/40 ml	2/40 ml
Container Type (amber glass, clear glass, plastic etc.)	glass	glass	glass	glass
Filtered/Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Preserved/Unpreserved/Type	HCl	HCl	HCl	HCl
Refrigerated/on Ice	Ice	Ice	Ice	Ice
Shipping Information				
Laboratory	SEI	SEI	SEI	SEI
Date Submitted	12/23/92	12/23/92	12/23/92	12/23/92
Chain of Custody Number	3:15 p.m.	3:15 p.m.	3:15 p.m.	3:15 p.m.
Courier Shipping Number/Hand Delivered etc.	Hand	Hand	Hand	Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW-13A	MW-14	MW-16	MW-16A
Water Type	Not Sampled	Gndwtr	Gndwtr	Gndwtr
Date		12/15/92	12/15/92	12/15/92
Sampled by		RS/RK	RS/RK	RS/RK
Reference Elevation (Top of riser etc.)		TOR	TOR	TOR
Measured Depth to Water (ft.)		5.92	5.97	9.43
Measured Well Depth (ft.)		14.00	13.48	17.06
Purging/Sampling Device(s)		PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged		7.0	7.0	6.5
Well Purged Dry? (Y/N)		N	Y	Y
Time Purging Completed (Military)		1120	1045	1015
Time Sample Withdrawn (Military)		1120	1045	1015
Field Temperature (degrees C)		12.0	11.5	12.0
Field Conductivity: Measured (u mhos/cm)		6800	7000	6800
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)		6.77	7.11	6.6
Alkalinity (mg/l)				
Color		Brown	Brown	Clear
Odor		Hydrocarbon	Hydrocarbon	Musty
Turbidity		Some	Some	–
Other				
Sample Container/Preservation Information				
Sample Parameter(s)		VOC/CN	VOC/CN	VOC/CN
# Of Containers & Volume		2-40/1-100	2-40/1-100	2-40/1-100
Container Type (amber glass, clear glass, plastic etc.)		Glass/Plastic	Glass/Plastic	Glass/Plastic
Filtered/Unfiltered		Un/Fil	Un/Fil	Un/Fil
Preserved/Unpreserved/Type		HCl/None	HCl/None	HCl/None
Refrigerated/on Ice		Ice	Ice	Ice
Shipping Information				
Laboratory		SEI	SEI	SEI
Date Submitted		12/16/92	12/16/92	12/16/92
Chain of Custody Number		2:30 p.m.	2:30 p.m.	2:30 p.m.
Courier Shipping Number/Hand Delivered etc.		Hand	Hand	Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW-17	MW-18	MW-18A	MW-18B
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	12/22/92	12/22/92	12/22/92	12/22/92
Sampled by	RK/KS	RK/KS	RK/KS	RK/KS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	5.56	8.19	12.68	10.67
Measured Well Depth (ft.)	13.41	13.8	20.19	17.06
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	6.4	4.6	6.2	5.2
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1015	1400	1155	1300
Time Sample Withdrawn (Military)	1015	1400	1155	1300
Field Temperature (degrees C)	7.2	10.5	11.5	10.3
Field Conductivity: Measured (u mhos/cm)				
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	7.05	7.23	6.81	7.99
Alkalinity (mg/l)				
Color	Brown	Brown	Brown	Brown
Odor	None	Hydrocarbon	Hydrocarbon	Hydrocarbon
Turbidity	Some	Very	Very	Very
Other				
Sample Container/Preservation Information				
Sample Parameter(s)	VOC/CN	VOC/CN	VOC/8021	VOC/8021
# Of Containers & Volume	2-40/1-100	2-40/1-100	2/40 ml	2/40 ml
Container Type (amber glass, clear glass, plastic etc.)	Glass/Plastic	Glass/Plastic	glass	glass
Filtered/Unfiltered	Un/Fil	Un/Fil	Unfiltered	Unfiltered
Preserved/Unpreserved/Type	HCl/None	HCl/None	HCl	HCl
Refrigerated/on Ice	Ice	Ice	Ice	Ice
Shipping Information				
Laboratory	SEI	SEI	SEI	SEI
Date Submitted	12/23/92	12/23/92	12/23/92	12/23/92
Chain of Custody Number	3:15 p.m.	3:15 p.m.	3:15 p.m.	3:15 p.m.
Courier Shipping Number/Hand Delivered etc.	Hand	Hand	Hand	Hand

WATER SAMPLING FIELD DATA SUMMARY
Project Name: Chrysler Kenosha Well Sampling
Location: Chrylser, Kenosha, Wisconsin
Project Number: 10377
Field Equipment:
pH: Corning Checkmate 90 Serial No. 002283
Conductivity: Corning Checkmate 90 Serial No. 1856
Temperature: Corning Checkmate 90 Serial No. 002283

Sampling/Field Measurement/Observation				
Sample Location Identification:	MW-18C	MW-18D	MW-19	MW-20
Water Type	Gndwtr	Gndwtr	Gndwtr	Gndwtr
Date	12/22/92	12/22/92	12/22/92	12/22/92
Sampled by	RK/KS	RK/KS	RK/KS	RK/KS
Reference Elevation (Top of riser etc.)	TOR	TOR	TOR	TOR
Measured Depth to Water (ft.)	12.23	9.46	5.61	9.4
Measured Well Depth (ft.)	17.04	16.02	14.33	13.9
Purging/Sampling Device(s)	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Well Casing Volumes/Gallons Purged	4.0	5.4	7.2	3.7
Well Purged Dry? (Y/N)	N	N	N	N
Time Purging Completed (Military)	1300	1310	1530	1420
Time Sample Withdrawn (Military)	1300	1310	1530	1420
Field Temperature (degrees C)	10.3	10.3	8.8	9.6
Field Conductivity: Measured (u mhos/cm)				
Field Conductivity @25 degrees C (u mhos/cm)				
pH (std. units)	6.72	7.68	6.83	7.45
Alkalinity (mg/l)				
Color	Brown	Brown	Brown	Brown
Odor	Hydrocarbon	Hydrocarbon	None	None
Turbidity	Very	Very	Very	Very
Other				
Sample Container/Preservation Information				
Sample Parameter(s)	VOC/CN	VOC/CN	VOC/CN	VOC/CN
# Of Containers & Volume	2-40/1-100	2-40/1-100	2-40/1-100	2-40/1-100
Container Type (amber glass, clear glass, plastic etc.)	Glass/Plastic	Glass/Plastic	Glass/Plastic	Glass/Plastic
Filtered/Unfiltered	Un/Fil	Un/Fil	Un/Fil	Un/Fil
Preserved/Unpreserved/Type	HCl/None	HCl/None	HCl/None	HCl/None
Refrigerated/on Ice	Ice	Ice	Ice	Ice
Shipping Information				
Laboratory	SEI	SEI	SEI	SEI
Date Submitted	12/23/92	12/23/92	12/23/92	12/23/92
Chain of Custody Number	3:15 p.m.	3:15 p.m.	3:15 p.m.	3:15 p.m.
Courier Shipping Number/Hand Delivered etc.	Hand	Hand	Hand	Hand

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	SAMPLERS:
	Triad Engineering # 10813 325 E. Chicago St., Milw., WI 53202 Attn: R. Bilder	R. Schneider K. Spieker R. Kraemer

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: Cyanide (335.2)	SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
		12/27/92	0745		/	MW-43 - FILTERED	1	/	Groundwater
		12/27/92	1330		/	MW-20 - FILTERED	1	/	"
		12/27/92	1525		/	MW-19 - FILTERED	1	/	"
		12/27/92	1135		/	MW-18D - FILTERED	1	/	"
		12/27/92	1020		/	MW-17 - FILTERED	1	/	"
		12/27/92	1330		/	MW-18 - FILTERED	1	/	"
		12/27/92	1200		/	MW-18C - FILTERED	1	/	"

SAMPLE CONDITION:

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
R. Kraemer	12/28/12 24		
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
	12/28/12 24 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		NO. OF CONTAINERS	TEST PARAMETERS: VOC 8021	SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
	Triad Engineering	325 E. Chicago Milw. WI 53202 Attn: R. Binkert			

SAMPLERS: R. Schneider, R. Kraemer, R. Spieker

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC 8021	SAMPLE TYPE
	MW-40	12/21	1110		/	MW-40	2	/	Groundwtr
	MW-31	12/21	1300		/	MW-31	2	/	"
	MW-38	12/21	1045		/	MW-38	2	/	"
	MW-41	12/21	1050		/	MW-41	2	/	"
	MW-30	12/21	1240		/	MW-30	2	/	"
	MW-43	12/22	1030		/	MW-43	2	/	"
	MW-37	12/21	1115		/	MW-37	2	/	"
	MW-36A	12/21	1305		/	MW-36A	2	/	"
	MW-34R	12/21	1430		/	MW34R	2	/	"
	MW-27C	12/21	1515		/	MW-27C	2	/	"

SAMPLE CONDITION: All VOC pres. w/HCl in field
Rush on Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
C. Dennett	12/23 3:15		
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
	12/23 3:15 PM		

SPECIAL REQUESTS:

REPORT TO:
NAME: Triad Engineering
ADDRESS: 325 E. Chicago Milw. WI 53202
PHONE: 291-8740

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	
	Triad Engineering	325 E. Chicago Milw. WI 53202 Attn: R. Binder

SAMPLERS: R. Schneider, R. Kroemer, K. Spieker

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TEST PARAMETERS: VOC 8021	SAMPLE TYPE
	MW-27A	12/22	1000		/	MW-27A	2	/	Grndwtr
	MW-26	12/22	0840		/	MW-26	2	/	"
	MW-20	12/22	1400		/	MW-20	2	/	"
	MW-27E	12/22	1015		/	MW-27E	2	/	"
	MW-27B	12/22	0900		/	MW-27B	2	/	"
	MW-25	12/22	1401		/	MW-25	2	/	"
	MW-29	12/21	1220		/	MW-29	2	/	"
	MW-29A	12/21	1240		/	MW-29A	2	/	"
	MW-27	12/21	1540		/	MW-27	2	/	"
	MW-27D	12/21	1530		/	MW-27D	2	/	"
	MW-28	12/21	1545		/	MW-28	2	/	"
	MW-21	12/23	0720		/	MW-21	2	/	"
	MW-21A	12/23	1000		/	MW-21A	2	/	"

SAMPLE CONDITION: All VOC pres. w/ HCl in field. Received on Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
	12/23 3:15		
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
	12/24 8:15 AM		

SPECIAL REQUESTS:

REPORT TO:
NAME: Triad Engineering
ADDRESS: 325 E Chicago Milw WI 53202
PHONE: 291-7240

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
	Triad Engineering — 325 E. Chicago, Milw., WI 53202, Attn: R. Binder

SAMPLERS: R. Schneiker, R. Kraemer, K. Spieker

SEI #	STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC (8021)	CN (335[illegible])							SAMPLE TYPE (Specify groundwater, soil, wastewater, sludge, etc.)
	MW-11	12/21	1340		/	MW-11	2	/								Gndwtr
	MW-12	12/21	1300		/	MW-12	2	/								"
	MW-11B	12/21	1550		/	MW-11B	2	/								"
	MW-17	12/22	1015		/	MW-17	2	/	X							"
	MW-18C	12/22	1300		/	MW-18C	2	/	X							"
	MW-18	12/22	1330		/	MW-18	2	/	X							"
	MW-19	12/22	1530		/	MW-19	2	/	X							"
	MW-18A	12/22	1315		/	MW-18A	2	/								"
	MW-18B	12/22	1330		/	MW-18B	2	/								"
	MW-18D	12/22	1315		/	MW-18D	2	/	X							"
	MW-5	12/23	1140		/	MW-5	2	/								
	Trip blank				/	TRIP BLANK	1	/								

SAMPLE CONDITION: All VOC pres. w/ HCl in field. Rec. on Ice

SAMPLE LOCATION:

RELINQUISHED BY:	DATE / TIME	RELINQUISHED BY:	DATE / TIME
C. Dunst	12/23 3:15		
RECEIVED BY:	**DATE / TIME**	**RECEIVED BY:**	**DATE / TIME**
L. Dolan	12/23/93 3:15 PM		

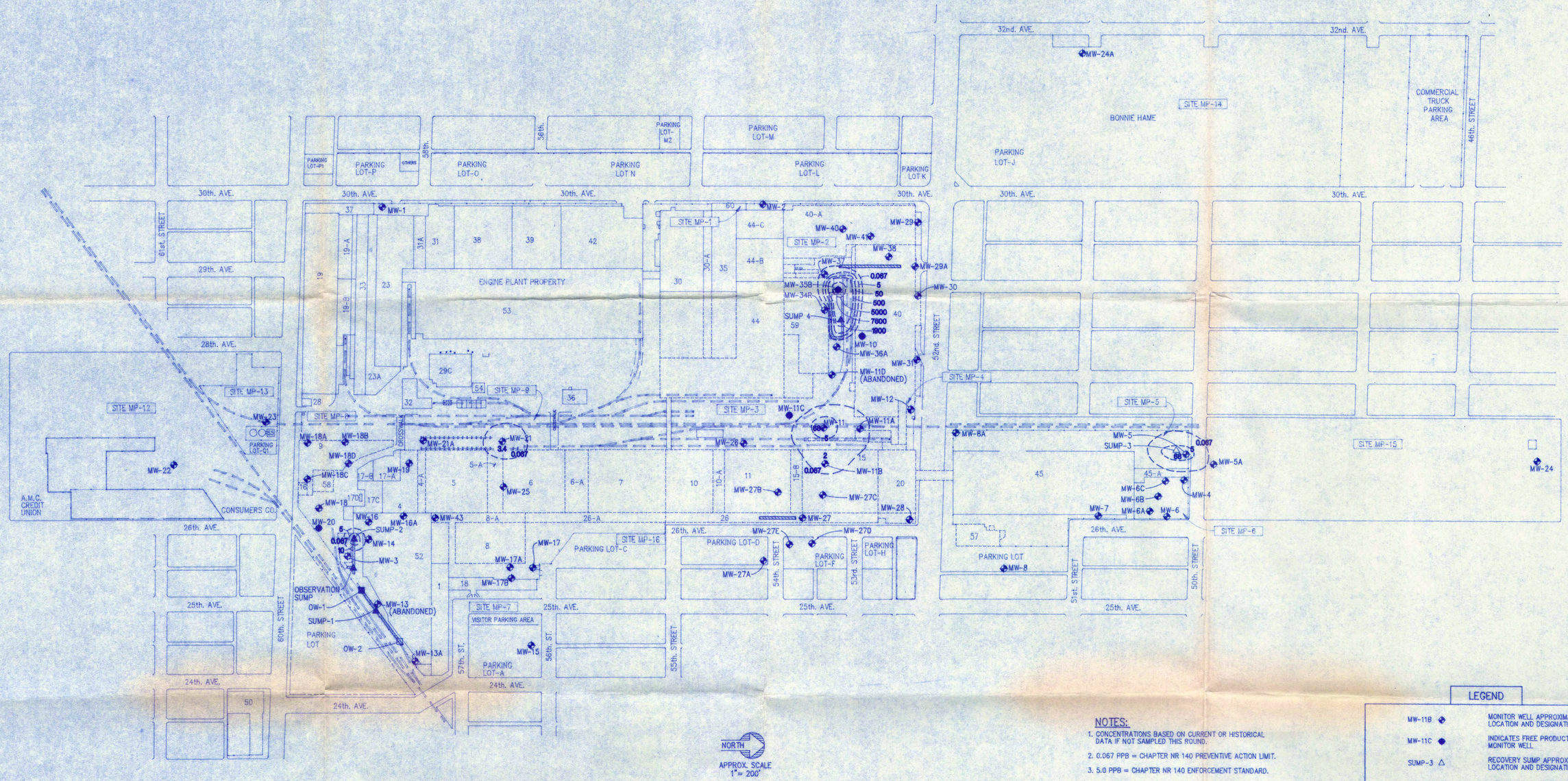
SPECIAL REQUESTS:

REPORT TO:
NAME: TRIAD Engineering
ADDRESS: 325 E. Chicago, Milw. WI 53202
PHONE: 291-8840

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

SWANSON ENVIRONMENTAL INC.

PLATES



NOTES:

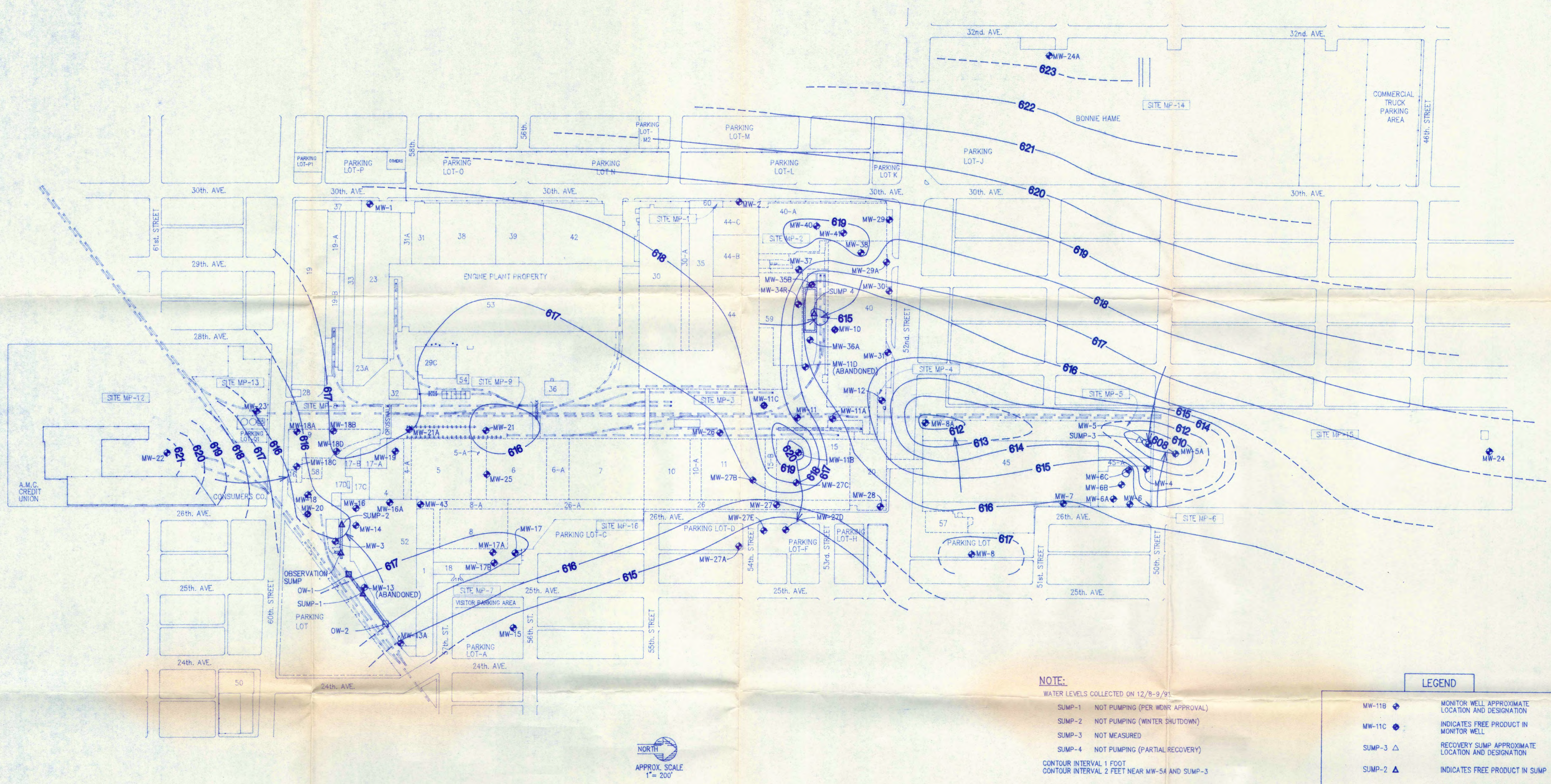
1. CONCENTRATIONS BASED ON CURRENT OR HISTORICAL DATA IF NOT SAMPLED THIS ROUND.
2. 0.067 PPB = CHAPTER NR 140 PREVENTIVE ACTION LIMIT.
3. 5.0 PPB = CHAPTER NR 140 ENFORCEMENT STANDARD.

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 ©1992 Triad Engineering 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. 10813-QS-2 DATE 1/25/93 PROJ NO. 10813-QS

230004500 19930402_43



NOTE:

WATER LEVELS COLLECTED ON 12/8-9/92

SUMP-1	NOT PUMPING (PER WDNR APPROVAL)
SUMP-2	NOT PUMPING (WINTER SHUTDOWN)
SUMP-3	NOT MEASURED
SUMP-4	NOT PUMPING (PARTIAL RECOVERY)

CONTOUR INTERVAL 1 FOOT
CONTOUR INTERVAL 2 FEET NEAR MW-5A AND SUMP-3

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		NO.	DATE	REVISION	BY	APVD
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					

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

CHRYSLER CORPORATION
KENOSHA MAIN PLANT
WATER TABLE MAP (DECEMBER 8-9, 1992)

SHEET NO.	
DWG NO.	10813-QS-1
DATE	1/25/93
PROJ NO.	10813-QS

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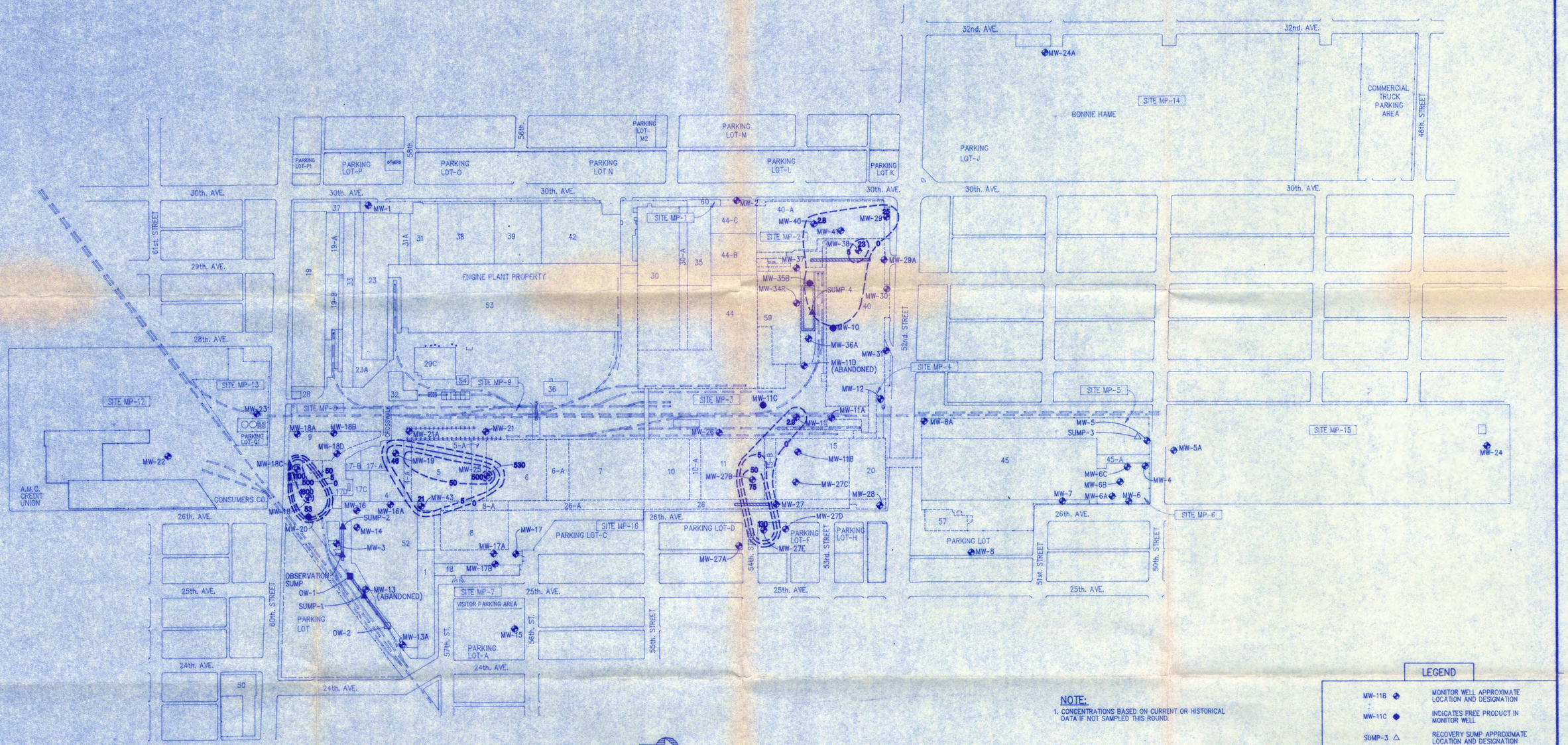

NOTE:

1. CONCENTRATIONS BASED ON CURRENT OR HISTORICAL DATA IF NOT SAMPLED THIS ROUND.

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
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325 East Chicago Street
Milwaukee, Wisconsin 53202
(414)-291-8840
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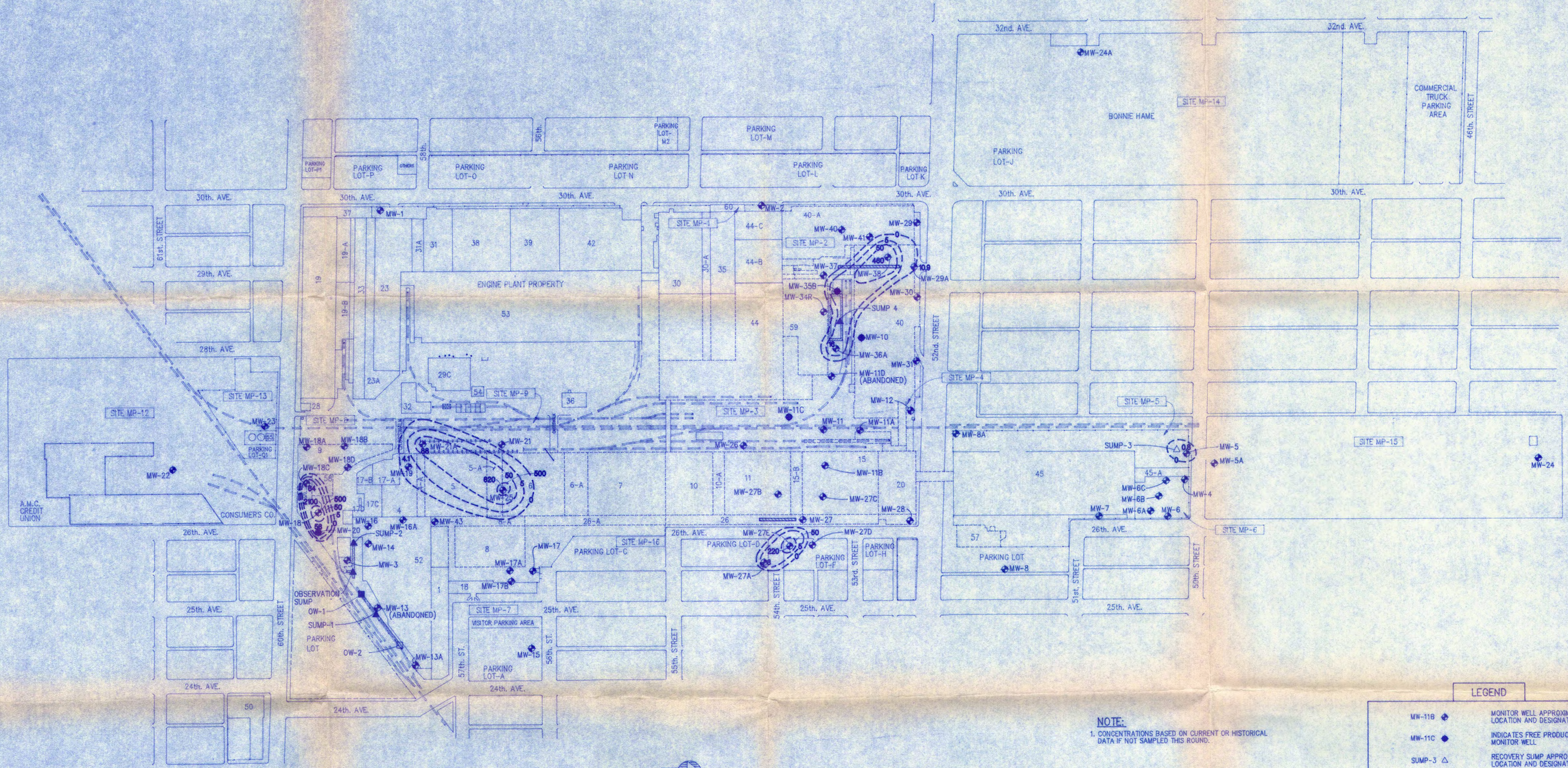
CHRYSLER CORPORATION
KENOSHA MAIN PLANT
TRICHLOROETHENE ISOCONCENTRATION MAP

SHEET NO.	
DWG NO.	10813-QS-3
DATE	1/25/93
PROJ NO.	10813-QS

230004500 19930402-43



NOTE:

1. CONCENTRATIONS BASED ON CURRENT OR HISTORICAL DATA IF NOT SAMPLED THIS ROUND.

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	VINYL CHLORIDE 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
VINYL CHLORIDE ISOCONCENTRATION MAP

SHEET NO.
DWG NO. 10813-QS-4
DATE 1/25/93
PROJ NO. 10813-QS