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**TE** TRIAD  
ENGINEERING  
INCORPORATED

December 20, 1994

Mr. Ron Dilahunt  
Wisconsin Department of Natural Resources  
Southeast District Office  
2300 North Dr. Martin Luther King, Jr. Drive  
P.O. Box 12436  
Milwaukee, WI 53212

**RE: Sumps 4 and 5 and Sump 6 Groundwater Remediation  
and Treatment System Performance Monitoring  
Chrysler Corporation, Kenosha Main Plant North Area  
Triad Engineering Project No. W943324.7d**

Dear Mr. Dilahunt:

Enclosed please find the analytical results for groundwater samples collected at the Sumps 4 and 5 and the Sump 6 groundwater remediation and treatment systems at the Chrysler Corporation Kenosha Main Plant, North Area in Kenosha, Wisconsin. Year to date analytical results, total flow between sampling events, cumulative flow, percent removal, pounds of benzene emitted between sampling events, total pounds of benzene released this year to date, and the estimated volatile organic compound (VOC) emission rate are summarized on Tables 1 and 2 (attached). Please note that the groundwater recovery systems were shutdown after initial startup sampling pending analytical data. Based on the data, the estimated benzene and VOC emissions are well below NR 445.04 Wisconsin Administrative Code Standards.

I trust this information meets your needs. If you have any questions or comments, please do not hesitate to call me at (414) 291-8840.

Sincerely,

TRIAD ENGINEERING INC.



Jeanne M. Ramponi  
Hydrogeologist

JMR/klb

W943324\943324.7d\943324-A

Enclosure

cc/enc: Mr. Jack Bugno/Chrysler-Kenosha Main Plant  
Mr. Greg Rose/Chrysler-Environmental and Energy Affairs  
Ms. Pam Mylotta/WDNR  
cc: Mr. Rick Binder/Triad  
Ms. Sarah Levin/Triad

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

Table 1  
Chrysler Corporation  
Kenosha Main Plant  
Sumps 4 and 5 Groundwater Remediation System

Date	Sump 4					Sump 5					Sumps 4 and 5 Composite											
	Influent		Flow			Influent		Flow			Sump 4&5 Weighed Average		Flow			Effluent		Percent Removal		Benzene Emissions (lbs)		VOC Emiss
	Benzene mg/L	Total VOCs mg/L	Flow (Gallons)	Average Flow Rate (GPM)	Cumulative Flow (Gallons)	Benzene mg/L	Total VOCs mg/L	Flow (Gallons)	Average Flow Rate (GPM)	Cumulative Flow (Gallons)	Benzene mg/L	Total VOCs mg/L	Flow for the Period (Gallons)	Average Flow Rate (GPM)	Cumulative Flow (Gallons)	Benzene mg/L	Total VOCs mg/L	Benzene	Total VOCs	For Reporting Period	Cumulative	For Reporting Period (lbs/hr)
04/21/94	Started the System																					
04/22/94	7.300	16.650	9,081	6.31	9,081	0.006	1.600	34,973	24.29	34,973	1.5095	4.7023	44,054	30.59	44,054	0.150	0.460	90.06%	90.22%	0.499	0.499	0.065
06/07/94	5.700	15.860	82,656	1.25	91,737	5.400	14.920	78,799	1.19	113,772	5.5536	15.4012	161,455	2.44	205,509	0.017	0.087	99.69%	99.44%	7.455	7.955	0.019
08/24/94	3.940	11.230	166,298	1.48	258,035	0.035	17.360	154,158	1.37	267,930	2.0613	14.1789	320,456	2.85	525,965	0.069	0.403	96.65%	97.16%	5.325	13.279	0.020

Note: The system was down from 4/22/94 to 5/5/94, until the initial sampling results were received.  
VOC = Volatile Organic Compounds

**Table 2**  
**Chrysler Corporation**  
**Kenosha Main Plant, North Area**  
**Sump 6 Groundwater Remediation and Treatment System**

Date	Influent		Flow			Effluent		Percent Removal		Benzene Emissions (lbs)		VOC Emiss
	Benzene mg/L	Total VOCs mg/L	Flow (Gallons)	Average Flow Rate (GPM)	Cumulative Flow (Gallons)	Benzene mg/L	Total VOCs mg/L	Benzene	Total VOCs	For Reporting Period	Cumulative	For Reporting Period (lbs/hr)
04/21/94	Started the System											
04/22/94	0.0005	2.28	21,213	14.73	21,213	0.0005	0.0952	0.00%	95.82%	0.000	0.000	0.016
06/07/94	0.0005	4.48	211,108	3.19	232,321	0.0015	0.1249	ERR	97.21%	ERR	0.000	0.007
08/24/94	0.0012	2.44	365,734	3.26	598,055	0.0006	0.0047	50.00%	99.81%	0.002	0.002	0.004

Note: The system was down from 4/22/94 to 5/5/94, until the initial sampling results were received.  
The percent removal of benzene for the sample collected 6/7/94 is shown as an error because the detected effluent concentration was higher than the detected influent concentration.  
VOC = Volatile Organic Compounds

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



WDNR Certification #268181760

ANALYTICAL REPORT REPORT NUMBER: A3503

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

Attn: Ms. Valerie Jansen  
 Project #W943163.001

DATE: April 29, 1994  
 PURCHASE ORDER:  
 SEI NO: WL10371  
 DATE COLLECTED: 04/22/94  
 DATE RECEIVED: 04/26/94  
 DATE ANALYZED: 04/28/94

Matrix: Groundwater  
 Source: Chrysler

Units: µg/L (ppb)

DNR #	Analyte	SEI ID	10371-1	10371-2	10371-3 <sup>a</sup>
		Sample ID	Sump 6	Sump 6	Sump 4
		POL	Influent	Effluent	
EPA Method 8021					
78124	Benzene	0.5	<0.5	<0.5	7,300 <sup>c</sup>
81555	Bromobenzene	0.5	<0.5	<0.5	<5
77297	Bromochloromethane	0.5	<0.5	<0.5	<5
32101	Bromodichloromethane	0.5	<0.5	<0.5	<5
32104	Bromoform	0.5	<0.5	<0.5	<5
14413	Bromomethane	0.5	<0.5	<0.5	<5
77342	n-Butylbenzene	0.5	<0.5	<0.5	80.7
77350	sec-Butylbenzene	0.8	7.5	10.9	13.1
77353	tert-Butylbenzene	0.5	<0.5	<0.5	<5
32102	Carbon tetrachloride	0.5	<0.5	<0.5	<5
34301	Chlorobenzene	0.5	<0.5	<0.5	<5
34306	Chlorodibromomethane	0.5	<0.5	<0.5	<5
34311	Chloroethane	0.5	<0.5	<0.5	43.0
32106	Chloroform	0.5	<0.5	<0.5	<5
34418	Chloromethane	0.5	<0.5	<0.5	<5
77275	2-Chlorotoluene	0.5	<0.5	<0.5	<5
77277	4-Chlorotoluene	0.5	<0.5	<0.5	<5
38437	1,2-Dibromo-3-chloropropane	0.5	<0.5	<0.5	<5
77651	1,2-Dibromoethane	0.5	<0.5	<0.5	<5
77596	Dibromomethane	0.5	<0.5	<0.5	<5

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Matrix: Groundwater  
 Source: Chrysler

Units: µg/L (ppb)

DNR #	Analyte	SEI ID	10371-1	10371-2	10371-3 <sup>a</sup>
		Sample ID	Sump 6	Sump 6	Sump 4
		POL	Influent	Effluent	
EPA Method 8021					
34536	1,2-Dichlorobenzene	0.5	<0.5	<0.5	<5
34566	1,3-Dichlorobenzene	0.5	<0.5	<0.5	<5
34571	1,4-Dichlorobenzene	0.6	<0.6	<0.6	<6
34668	Dichlorodifluoromethane	0.5	<0.5	<0.5	<5
34496	1,1-Dichloroethane	0.6	39.7	<0.6	74.7
32103	1,2-Dichloroethane	0.5	<0.5	<0.5	<5
34501	1,1-Dichloroethene	0.5	5.0	<0.5	<5
77093	cis-1,2-Dichloroethene	0.6	640 <sup>b</sup>	27.4	126
34546	trans-1,2-Dichloroethene	0.7	137 <sup>b</sup>	2.5	<7
34541	1,2-Dichloropropane	0.5	<0.5	<0.5	<5
77173	1,3-Dichloropropane	0.5	<0.5	<0.5	<5
77170	2,2-Dichloropropane	0.7	<0.7	<0.7	<7
77168	1,1-Dichloropropene	0.5	<0.5	<0.5	<5
34704	cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<5
34699	trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<5
78113	Ethylbenzene	0.5	<0.5	0.6	994 <sup>b</sup>
34391	Hexachlorobutadiene	0.7	<0.7	<0.7	<7
77223	Isopropylbenzene	0.5	8.9	<0.5	32.2
77356	p-Isopropyltoluene	0.5	<0.5	<0.5	<5
34423	Methylene chloride	2.0	<2.0	<2.0	<20
34696	Naphthalene	0.7	<0.7	<0.7	172

1398.9

## SWANSON ENVIRONMENTAL INC.

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 FAX (414) 783-5752



WDNR Certification #268181760

## ANALYTICAL REPORT REPORT NUMBER: A3503

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

Attn: Ms. Valerie Jansen  
 Project #W943163.001

DATE: April 29, 1994  
 PURCHASE ORDER:  
 SEI NO: WL10371  
 DATE COLLECTED: 04/22/94  
 DATE RECEIVED: 04/26/94  
 DATE ANALYZED: 04/28/94

Matrix: Groundwater  
 Source: Chrysler

Units:  $\mu\text{g/L}$  (ppb)

DNR #	Analyte	SEI ID	10371-1	10371-2	10371-3 <sup>a</sup>
		Sample ID	Sump 6	Sump 6	Sump 4
		PQL	Influent	Effluent	
EPA Method 8021					
77224	n-Propylbenzene	0.6	<0.6	<0.6	101
77128	Styrene	0.6	<0.6	<0.6	<6
77562	1,1,1,2-Tetrachloroethane	0.5	<0.5	<0.5	<5
34516	1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<5
34475	Tetrachloroethene	0.5	<0.5	<0.5	<5
78131	Toluene	0.5	<0.5	<0.5	2,200 <sup>b</sup>
77613	1,2,3-Trichlorobenzene	0.5	<0.5	<0.5	<5
34551	1,2,4-Trichlorobenzene	0.5	<0.5	<0.5	<5
34506	1,1,1-Trichloroethane	0.5	16.2	<0.5	50.7
34511	1,1,2-Trichloroethane	0.5	<0.5	<0.5	<5
39180	Trichloroethene	0.5	1,360 <sup>b</sup>	49.0	6.7
34488	Trichlorofluoromethane	0.5	<0.5	<0.5	<5
77443	1,2,3-Trichloropropane	0.5	<0.5	<0.5	<5
77222	1,2,4-Trimethylbenzene	0.9	<0.9	1.3	1,380 <sup>b</sup>
77226	1,3,5-Trimethylbenzene	0.5	<0.5	<0.5	286
39175	Vinyl Chloride	0.5	68 <sup>b</sup>	<0.5	110
77135	o-Xylenes	0.5	<0.5	0.8	830 <sup>b</sup>
85795	m & p Xylenes	0.5	0.9	2.7	2,850 <sup>b</sup>

2283.2

95<sup>2</sup>

7814.4

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WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: A3503

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

Attn: Ms. Valerie Jansen  
 Project #W943163.001

DATE: April 29, 1994  
 PURCHASE ORDER:  
 SEI NO: WL10371  
 DATE COLLECTED: 04/22/94  
 DATE RECEIVED: 04/26/94  
 DATE ANALYZED: 04/28/94

Matrix: Groundwater  
 Source: Chrysler

Units: µg/L (ppb)

DNR #	Analyte	SEI ID	10371-4	10371-5
		Sample ID	Sump 5	Sump 4 & 5
		PQL		Effluent
EPA Method 8021				
78124	Benzene	0.5	5.9	150 <sup>a</sup>
81555	Bromobenzene	0.5	<0.5	<0.5
77297	Bromochloromethane	0.5	<0.5	<0.5
32101	Bromodichloromethane	0.5	<0.5	<0.5
32104	Bromoform	0.5	<0.5	<0.5
14413	Bromomethane	0.5	<0.5	<0.5
77342	n-Butylbenzene	0.5	1.7	1.4
77350	sec-Butylbenzene	0.8	5.8	8.7
77353	tert-Butylbenzene	0.5	<0.5	<0.5
32102	Carbon tetrachloride	0.5	<0.5	<0.5
34301	Chlorobenzene	0.5	<0.5	<0.5
34306	Chlorodibromomethane	0.5	<0.5	<0.5
34311	Chloroethane	0.5	1.3	<0.5
32106	Chloroform	0.5	<0.5	<0.5
34418	Chloromethane	0.5	<0.5	<0.5
77275	2-Chlorotoluene	0.5	<0.5	<0.5
77277	4-Chlorotoluene	0.5	<0.5	<0.5
38437	1,2-Dibromo-3-chloropropane	0.5	<0.5	<0.5
77651	1,2-Dibromoethane	0.5	<0.5	<0.5
77596	Dibromomethane	0.5	<0.5	<0.5

14.7

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 FAX (414) 783-5752



WDNR Certification #268181760

ANALYTICAL REPORT REPORT NUMBER: A3503

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

Attn: Ms. Valerie Jansen  
 Project #W943163.001

DATE: April 29, 1994  
 PURCHASE ORDER:  
 SEI NO: WL10371  
 DATE COLLECTED: 04/22/94  
 DATE RECEIVED: 04/26/94  
 DATE ANALYZED: 04/28/94

Matrix: Groundwater  
 Source: Chrysler

Units: µg/L (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u> <u>PQL</u>	<u>10371-4</u> <u>Sump 5</u>	<u>10371-5</u> <u>Sump 4 &amp; 5</u> <u>Affluent</u>
EPA Method 8021				
34536	1,2-Dichlorobenzene	0.5	<0.5	<0.5
34566	1,3-Dichlorobenzene	0.5	<0.5	<0.5
34571	1,4-Dichlorobenzene	0.6	<0.6	<0.6
34668	Dichlorodifluoromethane	0.5	<0.5	<0.5
34496	1,1-Dichloroethane	0.6	11.3	0.9
32103	1,2-Dichloroethane	0.5	<0.5	<0.5
34501	1,1-Dichloroethene	0.5	1.4	<0.5
77093	cis-1,2-Dichloroethene	0.6	630 <sup>c</sup>	12.2
34546	trans-1,2-Dichloroethene	0.7	6.2	<0.7
34541	1,2-Dichloropropane	0.5	<0.5	<0.5
77173	1,3-Dichloropropane	0.5	<0.5	<0.5
77170	2,2-Dichloropropane	0.7	<0.7	<0.7
77168	1,1-Dichloropropene	0.5	<0.5	<0.5
34704	cis-1,3-Dichloropropene	0.5	<0.5	<0.5
34699	trans-1,3-Dichloropropene	0.5	<0.5	<0.5
78113	Ethylbenzene	0.5	15.4	21.0
34391	Hexachlorobutadiene	0.7	<0.7	<0.7
77223	Isopropylbenzene	0.5	6.6	<0.5
77356	p-Isopropyltoluene	0.5	<0.5	<0.5
34423	Methylene chloride	2.0	<2.0	2.8
34696	Naphthalene	0.7	1.1	62 <sup>a</sup>

672 255



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 Brookfield, Wisconsin 53045  
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 FAX (414) 783-5752



WDNR Certification #268181760

ANALYTICAL REPORT

REPORT NUMBER: A3503

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

Attn: Ms. Valerie Jansen  
 Project #W943163.001

DATE: April 29, 1994  
 PURCHASE ORDER:  
 SEI NO: WL10371  
 DATE COLLECTED: 04/22/94  
 DATE RECEIVED: 04/26/94  
 DATE ANALYZED: 04/28/94

Matrix: Groundwater  
 Source: Chrysler

Units: µg/L (ppb)

<u>DNR #</u>	<u>Analyte</u>	<u>PQL</u>	SEI ID <u>Sample ID</u> 10371-4 <u>Sump 5</u>	10371-5 <u>Sump 4 &amp; 5</u> <u>Effluent</u>
EPA Method 8021				
77224	n-Propylbenzene	0.6	<0.6	<0.6
77128	Styrene	0.6	<0.6	<0.6
77562	1,1,1,2-Tetrachloroethane	0.5	<0.5	<0.5
34516	1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5
34475	Tetrachloroethene	0.5	4.1	<0.5
78131	Toluene	0.5	540 <sup>c</sup>	48.4
77613	1,2,3-Trichlorobenzene	0.5	<0.5	<0.5
34551	1,2,4-Trichlorobenzene	0.5	<0.5	<0.5
34506	1,1,1-Trichloroethane	0.5	8.2	<0.5
34511	1,1,2-Trichloroethane	0.5	<0.5	<0.5
39180	Trichloroethene	0.5	186 <sup>c</sup>	0.7
34488	Trichlorofluoromethane	0.5	<0.5	<0.5
77443	1,2,3-Trichloropropane	0.5	<0.5	<0.5
77222	1,2,4-Trimethylbenzene	0.9	14.3	50 <sup>a</sup>
77226	1,3,5-Trimethylbenzene	0.5	3.0	7.5
39175	Vinyl Chloride	0.5	89 <sup>c</sup>	<0.5
77135	o-Xylenes	0.5	17.9	28.4
85795	m & p Xylenes	0.5	53.5	65.9

<sup>a</sup> Elevated detection limits due to high analyte concentration; a 10x dilution necessary.  
<sup>b</sup> Elevated detection limits due to high analyte concentration; a 50x dilution necessary.  
<sup>c</sup> Elevated detection limits due to high analyte concentration; a 100x dilution necessary.

Clark J. Crosby  
 Laboratory Manager

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

WDNR Certification #268181760



ANALYTICAL REPORT FINAL  
 REPORT NUMBER: A3503

Triad Engineering, Inc.  
 325 East Chicago Street  
 Milwaukee, WI 53202  
  
 Attn: Ms. Valerie Jansen  
 Project #W943163.001

DATE: May 1, 1994  
 PURCHASE ORDER:  
 SEI NO: WL10371  
 DATE COLLECTED: 04/22/94  
 DATE RECEIVED: 04/26/94  
 DATE ANALYZED: 04/28/94

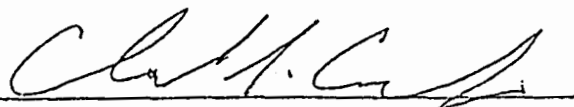
Matrix: Groundwater  
 Source: Chrysler

Units: mg/L (ppb)

DNR #	Analyte	SEI ID	10371-3	10371-4	10371-5
		Sample ID	<u>Sump 4</u>	<u>Sump 5</u>	<u>Sump 4 &amp; 5</u>
		PQL			
WDNR Modified Method GRO					
78920	GRO	0.1	24 <sup>d</sup>	1.0 <sup>e</sup>	1.0 <sup>e</sup>

<sup>d</sup> Elevated detection limits due to high analyte concentration; a 25x dilution necessary.

<sup>e</sup> Elevated detection limits due to high analyte concentration; a 5x dilution necessary.

  
 Clark J. Crosby  
 Laboratory Manager

# CHAIN OF CUSTODY RECORD

**PROJ. NO.** 14316300  
**PROJECT NAME** CHRYSLER CORPORATION  
 W.A. G.W. REMEDIATION  
**SAMPLERS:** VEER KARRI, TRIAD ENG. INC.  
 TOM PACIMIAN

NO. OF CONTAINERS	TEST PARAMETERS										SAMPLE TYPE <small>(Specify groundwater, soil, wastewater, sludge, etc.)</small>	
	VOC	PCE	TCE	DCE	CIS	MCA	MCS	P	T	A		M
2	X											GW
2												RESULTS BY FRI 1/21
2		X										
2		X										
2		X										VOC RESULTS BY FRI 1/21 RESULTS BY WED 1/24

**SAMPLE CONDITION:**

**SAMPLE LOCATION:**  
 1111 N. ...

**RELINQUISHED BY:** Veer Karri  
**RECEIVED BY:** Tom Pacimian

**DATE / TIME** 1/21/00  
**RELINQUISHED BY:**  
**DATE / TIME** 1/24/00  
**RECEIVED BY:**

**SPECIAL REQUESTS:**  
 ...  
 DEBBIE KEATON. THANK!  
**REPORT TO:**

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

**NAME:**  
**ADDRESS:**  
**PHONE:**





## ANALYTICAL REPORT

Date: 06/30/94

SEI Project Number: WL10980

Client Project: Chrysler

Project Number:

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

Attn: Mr. Rick Binder

Certified By: Clark J. Crosby  
Clark J. Crosby  
Laboratory Manager

VOC's  
Each

SWANSON ENVIRONMENTAL INC.

ANALYTICAL REPORT

Report Date: 06/30/94

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

SEI Project: WL10980  
Date Received: 06/08/94  
Your Reference:

Attn: Mr. Rick Binder

Analyte	Method	Units	Reference: AA03811		AA03812		
			Sample Point:	Collected:	Sample Point:	Collected:	Result
			Analyzed	PQL	Result	PQL	Result
Volatile Organic Compounds							
Benzene	SW846-8021	ug/L	06/16/94	50.0	5700	50.0	5400
mobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Bromochloromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Bromodichloromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Bromoform	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Bromomethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
n-Butylbenzene	SW846-8021	ug/L	06/16/94	25.0	160	25.0	120
sec-Butylbenzene	SW846-8021	ug/L	06/16/94	40.0	Not Detected	40.0	Not Detected
tert-Butylbenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Carbon tetrachloride	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Chlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Chlorodibromomethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Chloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Chloroform	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Chloromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
2-Chlorotoluene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
4-Chlorotoluene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,2-Dibromo-3-chloropropane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,2-Dibromomethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Dibromomethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,2-Dichlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,3-Dichlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected

ANALYTICAL REPORT

Reference: AA03811

AA03812

Collected: 06/07/94

06/07/94

Sample Point: Sump 4 Influent

Sump 5 Influent

Analyte	Method	Units	Analyzed	PQL	Result	PQL	Result
Dichlorodifluoromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,1-Dichloroethane	SW846-8021	ug/L	06/16/94	30.0	46	30.0	49
1,2-Dichloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,1-Dichloroethene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
cis-1,2-Dichloroethene	SW846-8021	ug/L	06/16/94	30.0	170	30.0	180
trans-1,2-Dichloroethene	SW846-8021	ug/L	06/16/94	35.0	Not Detected	35.0	Not Detected
1,2-Dichloropropane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,3-Dichloropropane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
2,2-Dichloropropane	SW846-8021	ug/L	06/16/94	35.0	Not Detected	35.0	Not Detected
1,1-Dichloropropene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
cis-1,3-Dichloropropene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
trans-1,3-Dichloropropene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Ethylbenzene	SW846-8021	ug/L	06/16/94	25.0	1300	25.0	1200
Hexachlorobutadiene	SW846-8021	ug/L	06/16/94	35.0	Not Detected	35.0	Not Detected
Isopropylbenzene	SW846-8021	ug/L	06/16/94	25.0	70	25.0	68
p-Isopropyltoluene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Methylene chloride	SW846-8021	ug/L	06/16/94	100.0	160	100.0	120
Naphthalene	SW846-8021	ug/L	06/16/94	35.0	190	35.0	200
n-Propylbenzene	SW846-8021	ug/L	06/16/94	30.0	170	30.0	150
Styrene	SW846-8021	ug/L	06/16/94	30.0	Not Detected	30.0	Not Detected
1,1,1,2-Tetrachloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,1,2,2-Tetrachloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Tetrachloroethene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Toluene	SW846-8021	ug/L	06/16/94	25.0	1400	25.0	1400
1,2,3-Trichlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,2,4-Trichlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,1,1-Trichloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,1,2-Trichloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Trichloroethene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
Trichlorofluoromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,2,3-Trichloropropane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	25.0	Not Detected
1,4-Trimethylbenzene	SW846-8021	ug/L	06/16/94	45.0	1400	45.0	1200
1,3,5-Trimethylbenzene	SW846-8021	ug/L	06/16/94	25.0	360	25.0	320

11,126

10,407

ANALYTICAL REPORT

Reference: AA03811

AA03812

Collected: 06/07/94

06/07/94

Sample Point: Sump 4 Influent

Sump 5 Influent

Analyte	Method	Units	Analyzed	PQL	Result	PQL	Result
Vinyl Chloride	SW846-8021	ug/L	06/16/94	25.0	130	25.0	150
o-Xylenes	SW846-8021	ug/L	06/16/94	25.0	1000	25.0	960
m & p Xylenes	SW846-8021	ug/L	06/16/94	25.0	3600	25.0	3400
WDNR-LUST Organics					4730		4510
WDNR Modified GRO	WDNR-GRO	mg/L	06/10/94	5	29	5	26

7.541 VOC's

10,875

11,717

ANALYTICAL REPORT

Report Date: 06/30/94

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

SEI Project: WL10980  
Date Received: 06/08/94  
Your Reference:

Attn: Mr. Rick Binder

Reference: AA03813  
Collected: 06/07/94  
Sample Point: Sump 4,5 Effluent

Analyte	Method	Units	Analyzed	PQL	Result
Volatile Organic Compounds					
Benzene	SW846-8021	ug/L	06/16/94	0.5	17
Bromobenzene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Bromochloromethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Bromodichloromethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Bromoform	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Bromomethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
n-Butylbenzene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
sec-Butylbenzene	SW846-8021	ug/L	06/16/94	0.8	Not Detected
tert-Butylbenzene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Carbon tetrachloride	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Chlorobenzene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Chlorodibromomethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Chloroethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Chloroform	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Chloromethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
2-Chlorotoluene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
4-Chlorotoluene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,2-Dibromo-3-chloropropane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,2-Dibromomethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Dibromomethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,2-Dichlorobenzene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Dichlorobenzene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,4-Dichlorobenzene	SW846-8021	ug/L	06/16/94	0.6	Not Detected



## ANALYTICAL REPORT

Reference: AA03813

Collected: 06/07/94

Sample Point: Sump 4,5 Effluent

Analyte	Method	Units	Analyzed	PQL	Result
Dichlorodifluoromethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,1-Dichloroethane	SW846-8021	ug/L	06/16/94	0.6	Not Detected
1,2-Dichloroethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,1-Dichloroethene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
cis-1,2-Dichloroethene	SW846-8021	ug/L	06/16/94	0.6	Not Detected
trans-1,2-Dichloroethene	SW846-8021	ug/L	06/16/94	0.7	Not Detected
1,2-Dichloropropane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,3-Dichloropropane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
2,2-Dichloropropane	SW846-8021	ug/L	06/16/94	0.7	Not Detected
1,1-Dichloropropene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
cis-1,3-Dichloropropene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
trans-1,3-Dichloropropene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Ethylbenzene	SW846-8021	ug/L	06/16/94	0.5	3.6
1,2-Dichlorobutadiene	SW846-8021	ug/L	06/16/94	0.7	Not Detected
Isopropylbenzene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
p-Isopropyltoluene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Methylene chloride	SW846-8021	ug/L	06/16/94	2.0	Not Detected
Naphthalene	SW846-8021	ug/L	06/16/94	0.7	29
n-Propylbenzene	SW846-8021	ug/L	06/16/94	0.6	Not Detected
Styrene	SW846-8021	ug/L	06/16/94	0.6	Not Detected
1,1,1,2-Tetrachloroethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,1,2,2-Tetrachloroethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Tetrachloroethene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Toluene	SW846-8021	ug/L	06/16/94	0.5	4.3
1,2,3-Trichlorobenzene	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,2,4-Trichlorobenzene	SW846-8021	ug/L	06/16/94	0.5	9.4
1,1,1-Trichloroethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,1,2-Trichloroethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
Trichloroethene	SW846-8021	ug/L	06/16/94	50	Not Detected
Trichlorofluoromethane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,2,3-Trichloropropane	SW846-8021	ug/L	06/16/94	0.5	Not Detected
1,2,4-Trimethylbenzene	SW846-8021	ug/L	06/16/94	0.9	Not Detected
1,3,5-Trimethylbenzene	SW846-8021	ug/L	06/16/94	0.5	2.2

**ANALYTICAL REPORT**

Reference: AA03813

Collected: 06/07/94

Sample Point: Sump 4,5 Effluent

Analyte	Method	Units	Analyzed	PQL	Result
Vinyl Chloride	SW846-8021	ug/L	06/16/94	0.5	Not Detected
o-Xylenes	SW846-8021	ug/L	06/16/94	0.5	6.9
m & p Xylenes	SW846-8021	ug/L	06/16/94	0.5	15
WDNR-LUST Organics					
WDNR Modified GRO	WDNR-GRO	mg/L	06/10/94	0.1	0.2

06/16/94 11:11

ANALYTICAL REPORT

Report Date: 06/30/94

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

SEI Project: WL10980  
Date Received: 06/08/94  
Your Reference:

Attn: Mr. Rick Binder

Analyte	Method	Units	Reference: AA03814		AA03815		
			Sample Point:	Collected:	Result	PQL	Result
			Sample Point:	06/07/94	Sump 6 Influent		Sump 6 Effluent
			Analyzed	PQL	Result	PQL	Result
Volatile Organic Compounds							
Benzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	1.5
Bromobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Bromochloromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Bromodichloromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Bromoform	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Bromomethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
n-Butylbenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
sec-Butylbenzene	SW846-8021	ug/L	06/16/94	40.0	Not Detected	0.8	Not Detected
tert-Butylbenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Carbon tetrachloride	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Chlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Chlorodibromomethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Chloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Chloroform	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Chloromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
2-Chlorotoluene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
4-Chlorotoluene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,2-Dibromo-3-chloropropane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,2-Dibromomethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Dibromomethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,2-Dichlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Dichlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,4-Dichlorobenzene	SW846-8021	ug/L	06/16/94	30.0	Not Detected	0.6	Not Detected

## ANALYTICAL REPORT

Reference: AA03814

AA03815

Collected: 06/07/94

06/07/94

Sample Point: Sump 6 Influent

Sump 6 Effluent

Analyte	Method	Units	Analyzed	PQL	Result	PQL	Result
Dichlorodifluoromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,1-Dichloroethane	SW846-8021	ug/L	06/16/94	30.0	Not Detected	0.6	Not Detected
1,2-Dichloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,1-Dichloroethene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
cis-1,2-Dichloroethene	SW846-8021	ug/L	06/16/94	30.0	850	0.6	33
trans-1,2-Dichloroethene	SW846-8021	ug/L	06/16/94	35.0	110	0.7	1.2
1,2-Dichloropropane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,3-Dichloropropane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
2,2-Dichloropropane	SW846-8021	ug/L	06/16/94	35.0	Not Detected	0.7	Not Detected
1,1-Dichloropropene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
cis-1,3-Dichloropropene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
trans-1,3-Dichloropropene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Ethylbenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	2.9
1,2,3-Trichlorobutadiene	SW846-8021	ug/L	06/16/94	35.0	Not Detected	0.7	Not Detected
Isopropylbenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	6.9
p-Isopropyltoluene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Methylene chloride	SW846-8021	ug/L	06/16/94	100.0	220	2.0	Not Detected
Naphthalene	SW846-8021	ug/L	06/16/94	35.0	Not Detected	0.7	Not Detected
n-Propylbenzene	SW846-8021	ug/L	06/16/94	30.0	Not Detected	0.6	Not Detected
Styrene	SW846-8021	ug/L	06/16/94	30.0	Not Detected	0.6	Not Detected
1,1,1,2-Tetrachloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,1,2,2-Tetrachloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Tetrachloroethene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	4.0
Toluene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	0.7
1,2,3-Trichlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,2,4-Trichlorobenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,1,1-Trichloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,1,2-Trichloroethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
Trichloroethene	SW846-8021	ug/L	06/16/94	2500	3300	0.5	45
Trichlorofluoromethane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,2,3-Trichloropropane	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
1,2,4,5-Tetramethylbenzene	SW846-8021	ug/L	06/16/94	45.0	Not Detected	0.9	1.5
1,3,5-Trimethylbenzene	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	1.0

ANALYTICAL REPORT

Reference: AA03814

AA03815

Collected: 06/07/94

06/07/94

Sample Point: Sump 6 Influent

Sump 6 Effluent

Analyte	Method	Units	Analyzed	PQL	Result	PQL	Result
Vinyl Chloride	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	Not Detected
o-Xylenes	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	9.2
m & p Xylenes	SW846-8021	ug/L	06/16/94	25.0	Not Detected	0.5	18

1480

124.9

SWANSON ENVIRONMENTAL INC.



# ANALYTICAL REPORT

Date: 09/09/94

SEI Project Number: WL11913

Client Project: Chrysler

Project Number: W943324

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

Attn: Mr. Rick Binder

Certified By: \_\_\_\_\_

Clark J. Crosby  
Laboratory Manager

SWANSON ENVIRONMENTAL INC.

**ANALYTICAL REPORT**

Report Date: 09/09/94  
Project: Chrysler

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

SEI Project: WL11913  
Date Received: 08/24/94  
Your Reference: W943324

Attn: Mr. Rick Binder

Analyte	Method	Units	Reference: AA07619		AA07620		
			Sample Point:	Result	Sample Point:	Result	
			Collected: 08/24/94		Collected: 08/24/94		
			Sump 4 Influent		Sump 5 Influent		
Analyte	Method	Units	Analyzed	PQL	Result	PQL	Result
<b>Volatile Organic Compounds</b>							
Benzene	SW846 8021	ug/L	09/02/94	50.0	3940 BC	0.5	34.6 B
Bromobenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,1-Dichloromethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
n-Butylbenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	4.6
sec-Butylbenzene	SW846 8021	ug/L	09/02/94	80.0	ND	0.8	1.7
tert-Butylbenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
Carbon tetrachloride	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
Chlorobenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
Chlorodibromomethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
Chloroethane	SW846 8021	ug/L	09/02/94	50.0	140 C	50	110 CD
Chloroform	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
Chloromethane	SW846 8021	ug/L	09/02/94	50.0	130 C	0.5	0.5
2-Chlorotoluene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
4-Chlorotoluene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,2-Dibromo-3-chloropropane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,2-Dibromomethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,2-Dichlorobenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,3-Dichlorobenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,4-Dichlorobenzene	SW846 8021	ug/L	09/02/94	60.0	ND	0.6	ND
Dichlorodifluoromethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,1-Dichloroethane	SW846 8021	ug/L	09/02/94	60.0	70	60	64 CD
1,2-Dichloroethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	4.6
1,1-Dichloroethene	SW846 8021	ug/L	09/02/94	50.0	ND	50	100 CD 320

# SWANSON ENVIRONMENTAL INC.

## ANALYTICAL REPORT

Reference: AA07619

AA07620

Collected: 08/24/94

08/24/94

Sample Point: Sump 4 Influent

Sump 5 Influent

Analyte	Method	Units	Analyzed	PQL	Result	PQL	Result
cis-1,2-Dichloroethene	SW846 8021	ug/L	09/02/94	60.0	650 C	600	13200 CD
trans-1,2-Dichloroethene	SW846 8021	ug/L	09/02/94	70.0	ND	70	93 CD
1,2-Dichloropropane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,3-Dichloropropane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
2,2-Dichloropropane	SW846 8021	ug/L	09/02/94	70.0	ND	0.7	ND
Di-isopropyl ether	SW846 8021	ug/L	09/02/94	300.0	ND	3.0	ND
Ethylbenzene	SW846 8021	ug/L	09/02/94	50.0	1180 C	50	100 CD
Hexachlorobutadiene	SW846 8021	ug/L	09/02/94	70.0	ND	0.7	ND
Isopropylbenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	1.7
p-Isopropyltoluene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	1.9
Methylene chloride	SW846 8021	ug/L	09/02/94	200.0	ND B	2.0	ND B
Methyl-tert-butyl ether	SW846 8021	ug/L	09/02/94	300.0	ND	3.0	ND
phthalene	SW846 8021	ug/L	09/02/94	70.0	ND	0.7	2.2
n-Propylbenzene	SW846 8021	ug/L	09/02/94	60.0	130 C	0.6	1.9
1,1,2,2-Tetrachloroethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
Tetrachloroethene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	3.1
Toluene	SW846 8021	ug/L	09/02/94	50.0	700 BC	50	2130 CD
1,2,3-Trichlorobenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,2,4-Trichlorobenzene	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,1,1-Trichloroethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	15.2
1,1,2-Trichloroethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
Trichloroethene	SW846 8021	ug/L	09/02/94	50.0	ND	50	350 CD
Trichlorofluoromethane	SW846 8021	ug/L	09/02/94	50.0	ND	0.5	ND
1,2,4-Trimethylbenzene	SW846 8021	ug/L	09/02/94	90.0	830 C	0.9	6.0
1,3,5-Trimethylbenzene	SW846 8021	ug/L	09/02/94	50.0	300 C	0.5	3.1
Vinyl Chloride	SW846 8021	ug/L	09/02/94	50.0	130 C	50	830 CD
o-Xylenes	SW846 8021	ug/L	09/02/94	50.0	260 C	50	100 CD
m & p Xylenes	SW846 8021	ug/L	09/02/94	50.0	2770 C	50	200 CD
WDNR-LUST Organics					6950		
NR Modified GRO	WDNR-GRO	mg/L	08/30/94	10	14	5	9

Total VOCs 11,030 ug/L

17,252

17,038.1



## SWANSON ENVIRONMENTAL INC.

## ANALYTICAL REPORT

Report Date: 09/09/94

Project: Chrysler

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

SEI Project: WL11913  
Date Received: 08/24/94  
Your Reference: W943324

Attn: Mr. Rick Binder

Reference: AA07621

Collected: 08/24/94

Sample Point: Sump 4&amp;5 Effluent

Analyte	Method	Units	Analyzed	PQL	Result
<b>Volatile Organic Compounds</b>					
Benzene	SW846 8021	ug/L	09/02/94	0.5	68.8 BCE
Bromobenzene	SW846 8021	ug/L	09/02/94	0.5	ND
1,1-Dibromodichloromethane	SW846 8021	ug/L	09/02/94	0.5	ND
n-Butylbenzene	SW846 8021	ug/L	09/02/94	0.5	15.6
sec-Butylbenzene	SW846 8021	ug/L	09/02/94	0.8	ND
tert-Butylbenzene	SW846 8021	ug/L	09/02/94	0.5	ND
Carbon tetrachloride	SW846 8021	ug/L	09/02/94	0.5	ND
Chlorobenzene	SW846 8021	ug/L	09/02/94	0.5	0.9
Chlorodibromomethane	SW846 8021	ug/L	09/02/94	0.5	ND
Chloroethane	SW846 8021	ug/L	09/02/94	0.5	ND
Chloroform	SW846 8021	ug/L	09/02/94	0.5	ND
Chloromethane	SW846 8021	ug/L	09/02/94	0.5	ND
2-Chlorotoluene	SW846 8021	ug/L	09/02/94	0.5	ND
4-Chlorotoluene	SW846 8021	ug/L	09/02/94	0.5	ND
1,2-Dibromo-3-chloropropane	SW846 8021	ug/L	09/02/94	0.5	ND
1,2-Dibromomethane	SW846 8021	ug/L	09/02/94	0.5	ND
1,2-Dichlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND
1,3-Dichlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND
1,4-Dichlorobenzene	SW846 8021	ug/L	09/02/94	0.6	ND
1,1-Dichlorodifluoromethane	SW846 8021	ug/L	09/02/94	0.5	ND
1,1-Dichloroethane	SW846 8021	ug/L	09/02/94	0.6	1.4
1,2-Dichloroethane	SW846 8021	ug/L	09/02/94	0.5	0.8
1,1-Dichloroethene	SW846 8021	ug/L	09/02/94	0.5	ND

## SWANSON ENVIRONMENTAL INC.

## ANALYTICAL REPORT

Reference: AA07621

Collected: 08/24/94

Sample Point: Sump 4&amp;5 Effluent

Analyte	Method	Units	Analyzed	PQL	Result
cis-1,2-Dichloroethene	SW846 8021	ug/L	09/02/94	6.0	159 CD
trans-1,2-Dichloroethene	SW846 8021	ug/L	09/02/94	0.7	0.6
1,2-Dichloropropane	SW846 8021	ug/L	09/02/94	0.5	ND
1,3-Dichloropropane	SW846 8021	ug/L	09/02/94	0.5	ND
2,2-Dichloropropane	SW846 8021	ug/L	09/02/94	0.7	ND
Di-isopropyl ether	SW846 8021	ug/L	09/02/94	3.0	ND
Ethylbenzene	SW846 8021	ug/L	09/02/94	0.5	21.0 C
Hexachlorobutadiene	SW846 8021	ug/L	09/02/94	0.7	ND
Isopropylbenzene	SW846 8021	ug/L	09/02/94	0.5	4.7
p-Isopropyltoluene	SW846 8021	ug/L	09/02/94	0.5	ND
Methylene chloride	SW846 8021	ug/L	09/02/94	2.0	ND B
Methyl-tert-butyl ether	SW846 8021	ug/L	09/02/94	3.0	ND
naphthalene	SW846 8021	ug/L	09/02/94	0.7	ND
m-Propylbenzene	SW846 8021	ug/L	09/02/94	0.6	1.6
1,1,2,2-Tetrachloroethane	SW846 8021	ug/L	09/02/94	0.5	ND
Tetrachloroethene	SW846 8021	ug/L	09/02/94	0.5	ND
Toluene	SW846 8021	ug/L	09/02/94	0.5	19.2 BC
1,2,3-Trichlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND
1,2,4-Trichlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND
1,1,1-Trichloroethane	SW846 8021	ug/L	09/02/94	0.5	ND
1,1,2-Trichloroethane	SW846 8021	ug/L	09/02/94	0.5	ND
Trichloroethene	SW846 8021	ug/L	09/02/94	0.5	3.5
Trichlorofluoromethane	SW846 8021	ug/L	09/02/94	0.5	ND
1,2,4-Trimethylbenzene	SW846 8021	ug/L	09/02/94	0.9	37.5 C
1,3,5-Trimethylbenzene	SW846 8021	ug/L	09/02/94	0.5	3.8 C
Vinyl Chloride	SW846 8021	ug/L	09/02/94	0.5	0.5
o-Xylenes	SW846 8021	ug/L	09/02/94	0.5	8.5 C
m & p Xylenes	SW846 8021	ug/L	09/02/94	0.5	55.9 C
WDNR-LUST Organics					
WDNR Modified GRO	WDNR-GRO	mg/L	08/30/94	0.1	0.4

Total DOC

403.3

SWANSON ENVIRONMENTAL INC.

**ANALYTICAL REPORT**

Report Date: 09/09/94

Project: Chrysler

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

SEI Project: WL11913  
Date Received: 08/24/94  
Your Reference: W943324

Attn: Mr. Rick Binder

Reference: AA07622  
Collected: 08/24/94  
Sample Point: Sump 6 Influent

AA07623  
08/24/94  
Sump 6 Effluent

Analyte	Method	Units	Analyzed	PQL	Result	PQL	Result
<b>Volatle Organic Compounds</b>							
Benzene	SW846 8021	ug/L	09/02/94	0.5	1.2 B	0.5	0.6 B
Bromobenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,1-dichloromethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
n-Butylbenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
sec-Butylbenzene	SW846 8021	ug/L	09/02/94	0.8	ND	0.8	ND
tert-Butylbenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Carbon tetrachloride	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Chlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Chlorodibromomethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Chloroethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Chloroform	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Chloromethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
2-Chlorotoluene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
4-Chlorotoluene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,2-Dibromo-3-chloropropane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,2-Dibromomethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,2-Dichlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,3-Dichlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,4-Dichlorobenzene	SW846 8021	ug/L	09/02/94	0.6	ND	0.6	ND
1,1-Dichloroethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,1-Dichloroethane	SW846 8021	ug/L	09/02/94	0.6	14.2	0.6	ND
1,2-Dichloroethane	SW846 8021	ug/L	09/02/94	0.5	0.6	0.5	ND
1,1-Dichloroethane	SW846 8021	ug/L	09/02/94	0.5	2.2	0.5	ND

## SWANSON ENVIRONMENTAL INC.

## ANALYTICAL REPORT

Reference: AA07622

AA07623

Collected: 08/24/94

08/24/94

Sample Point: Sump 6 Influent

Sump 6 Effluent

Analyte	Method	Units	Analyzed	PQL	Result	PQL	Result
cis-1,2-Dichloroethene	SW846 8021	ug/L	09/02/94	60	730 CD	0.6	2.6
trans-1,2-Dichloroethene	SW846 8021	ug/L	09/02/94	0.7	80	0.7	ND
1,2-Dichloropropane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,3-Dichloropropane	SW846 8021	ug/L	09/02/94	0.5	2.4	0.5	ND
2,2-Dichloropropane	SW846 8021	ug/L	09/02/94	0.7	ND	0.7	ND
Di-isopropyl ether	SW846 8021	ug/L	09/02/94	3.0	ND	3.0	ND
Ethylbenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Hexachlorobutadiene	SW846 8021	ug/L	09/02/94	0.7	ND	0.7	ND
Isopropylbenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
p-Isopropyltoluene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,1-Dichloroethene	SW846 8021	ug/L	09/02/94	2.0	ND B	2.0	ND B
Methyl-tert-butyl ether	SW846 8021	ug/L	09/02/94	3.0	ND	3.0	ND
Naphthalene	SW846 8021	ug/L	09/02/94	0.7	ND	0.7	ND
n-Propylbenzene	SW846 8021	ug/L	09/02/94	0.6	ND	0.6	ND
1,1,2,2-Tetrachloroethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Tetrachloroethene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Toluene	SW846 8021	ug/L	09/02/94	0.5	1.4 B	0.5	1.0 B
1,2,3-Trichlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,2,4-Trichlorobenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,1,1-Trichloroethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,1,2-Trichloroethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Trichloroethene	SW846 8021	ug/L	09/02/94	50	1500 CD	0.5	0.5
Trichlorofluoromethane	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
1,2,4-Trimethylbenzene	SW846 8021	ug/L	09/02/94	0.9	ND	0.9	ND
1,3,5-Trimethylbenzene	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
Vinyl Chloride	SW846 8021	ug/L	09/02/94	50	110 CD	0.5	ND
o-Xylenes	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND
m & p Xylenes	SW846 8021	ug/L	09/02/94	0.5	ND	0.5	ND

Total VOCs 2443

0.017



SHADED AREA FOR LAB USE ONLY

CHAIN OF CUSTODY RECORD

PAGE \_\_\_ OF \_\_\_

CLIENT / COMPANY ORDERING TEST			PROJECT / SITE NAME			# OF CONTAINERS	MATRIX CODE	TESTS REQUESTED (v)										OTHER SAMPLE RELATED REMARKS				
SAMPLERS: (Signature) KURT M. Spitzer			CLIENT PROJECT # W943324		PROJECT # 11913			BETX (8020)	VOC (8021)	GRG (WDR)	DRD (WDR)											
LAB #	COLLECTION		DESCRIPTION OF COLLECTION SITE																			
	DATE	TIME																				
7618	8/24	10:00	SUMP 2 EFFLUENT	5	GW	X																
7619		8:45	SUMP 4 INFLUENT	3	GW		X	X														
7620		9:00	SUMP 5 INFLUENT	3	GW		X	X														
7621		9:15	SUMP 4+5 EFFLUENT	3	GW		X	X														
7622		9:30	SUMP 6 INFLUENT	3	GW		X															
7623		9:45	SUMP 6 EFFLUENT	3	GW		X															
																						Samples were preserved in the field with ITC1

<b>MATRIX CODES:</b> DW = Drinking Water    SL = Sludge GW = Ground Water    SO = Soil WW = Waste Water    OT = Other		<b>FIELD COMMENTS:</b>		<b>IN CASE WE HAVE ANY QUESTIONS, SWANSON ENVIRONMENTAL SHOULD CALL:</b> Name <u>RICK BINDER</u> Phone <u>291-8840</u>	
LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF SAMPLES TO CLIENT.					
RELINQUISHED BY: (Signature) <i>Kurt M. Spitzer</i>	RECEIVED BY: (Signature)	DATE	TIME	LAB COMMENTS	
RELINQUISHED BY: (Signature)	RECEIVED FOR LABORATORY BY: (Signature) <i>Brian Cameron</i>	DATE 8/24/14	TIME 14:29	SHIPPING CONDITIONS: (Check One) <input checked="" type="checkbox"/> Iced <input type="checkbox"/> Ambient TEMPERATURE: <u>4</u> °C	