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October 15,1996

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

Dear Mr. Dilahunt:

RE: Air Emissions Calculations for Soil and Groundwater Remediation Systems/Request for Reduced Sampling Frequency
Chrysler Corporation, Kenosha Main Plant
Triad Engineering Project No. W963890.D

On behalf of Chrysler Corporation, Triad Engineering Inc. (Triad) requests a reduction in sampling frequency to semi-annual for remedial systems. Based on historical data, total calculated emission rates have consistantly been below established limits for total volatile organic compounds (VOCs) and benzene. Per our October 7 telephone conversation, this letter summarizes air emissions for the past six months at the Chrysler Corporation (Chrysler) Main Plant property located in Kenosha, Wisconsin. (A previous letter dated May 16, 1996, provided results of treatment system emissions testing prior to April of this year). Based on the calculated emission rates, the total potential air emissions from the remediation systems are below the Wisconsin air permit threshold of 5.7 lb/hr of organic compounds and the NR 445 de minimus of 300 lb/yr of benzene.

The following table summarizes air emission sources. The table includes groundwater treatment (air stripper) and soil vapor extraction (SVE) systems, specific recovery locations for each system, general site locations, and the approximate starting date of each treatment system.

Kenosha Main Plant Soil and Groundwater Remediation Systems

Air Emission Source	Recovery Location(s)	General Site Location and Area	Starting Date
Air Stripper	Sump 4 & 5	North Area	4/94
Air Stripper	Sumps 6	North Area	4/94
Air Stripper	Sump 9	North Area	3/95
SVE System	Sump 9	North Area	3/95
Air Stripper	Sumps 7, 8, 14, & 15	Area 2 (South Area)	3/95
Air Stripper	Sumps 10, 11, 12, & 13	Area 3 (South Area)	3/95

Air Emission Source	Recovery Location(s)	General Site Location and Area	Starting Date
SVE System (Main)	Sumps 11 & 12 SVE wells 1 through 6, 10, 11, & 13	Area 3 Remediation Building (South Area)	9/95
SVE System (Trailer)	Sump 10, SVE wells 7, 8, 9, & 12	Area 3 Remediation Trailer (South Area)	9/95

The locations listed above are presented on Figure 1.

Please note that CompuChem Environmental Corporation, Chrysler's contract laboratory, reported 33 of 49 volatile organic compounds (VOCs) listed in the Leaking Underground Storage Tank and Petroleum Analytical and Quality Assurance Guidance (WDNR 1993), for all influent and effluent groundwater treatment system water samples. Therefore, the abbreviated number of compounds was used in calculating emissions. However, based on historical data the VOCs reported include the compounds detected historically at the site. Therefore, the 16 missing VOCs should not significantly effect the estimated total air emissions.

A summary of the total estimated VOC and benzene emission rates from the eight operating treatment systems is provided in Attachment 1. Attachment 2 contains the data used to estimate the emissions from the groundwater treatment systems. A summary of data used in calculating SVE systems emissions is provided in Attachment 3. Laboratory analytical results are contained in Attachment 4. Further detail is provided in the following sections.

EXISTING TREATMENT SYSTEMS

North Area

Two groundwater treatment systems (two air strippers; one connected to Sumps 4 and 5 and one connected to Sump 6) are located in the North Area of the Chrysler Kenosha Main Plant site (Figure 1). Updated historical tables (Tables 1 and 2) showing emission calculations for the latest groundwater sampling event (July 1996) at these two systems are included in Attachment 2.

One groundwater and soil treatment system consists of an air stripper and SVE unit connected to Sump 9. Air emissions from the Sump 9 air stripper and SVE unit were calculated using groundwater influent and effluent sump monitoring data and air sample analytical data. Table 3 (Attachment 2) shows the calculated emission rates for the air stripper. The analytical results for air samples collected at the Sump 9 SVE exhaust are presented in Attachment 3.

South Area

Two treatment systems are located in the South Area of the Kenosha Main Plant site. The first treatment system includes the Area 3 air stripper and two SVE units, one skid-mounted (main) and one trailer-mounted (trailer). The SVE units were started up in September 1995. Air emissions for the two Area 3 SVE units were calculated using air sample analytical data. The analytical results for air samples collected at the two SVE units are presented in Attachment 3. The second treatment system is the Area 2 air stripper. Air emissions for the Area 2 and Area 3 air strippers were calculated using groundwater influent and effluent monitoring data. Table 4 and Table 5 (Attachment 2) present the emissions calculations for the two air strippers.

SUMMARY AND PERFORMANCE MONITORING SCHEDULE

The total calculated emission rates for the past six months for the eight treatment systems are below Wisconsin limits for VOCs and benzene. Based on historical data, total calculated emission rates have consistantly been below the established limits. Based on these historical results, and on behalf of Chrysler, Triad is requesting that SVE air sampling frequency be reduced from monthly to semi-annual. The air samples will be analyzed for total hydrocarbons (C4-C12) and for benzene, toluene, ethylbenzene and xylenes (BTEX) using the laboratory analytical method AM4.02, which is a modification of USEPA Methods 3810 and 8000.

In addition, one influent water sample from each sump and one effluent water sample from each of the air stripper systems will be collected on a semi-annual schedule. The water samples will be analyzed for VOCs (EPA Method 8021/8260), gasoline range organics (GRO; WDNR Modified GRO Method), and diesel range organics (DRO; WDNR Modified DRO Method). Any required system modifications or additional sampling will be completed, if necessary, based on future calculated emission rates.

If you have any questions or need additional information, please do not hesitate to contact either of the undersigned at (414) 291-8840.

Sincerely,

TRIAD ENGINEERING INC.

Jeanne M. Ramponi

Jeanne M. Ramponi
Project Hydrogeologist

TRIAD ENGINEERING INC.

Richard J. Binder, PG, CGWP
Senior Hydrogeologist

Attachments

c: Mr. Curtis Chapman/Chrysler Pollution Prevention and Remediation – Detroit
Mr. John Bugno/Chrysler Pollution Prevention and Remediation – Kenosha
Ms. Pam Mylotta/WDNR

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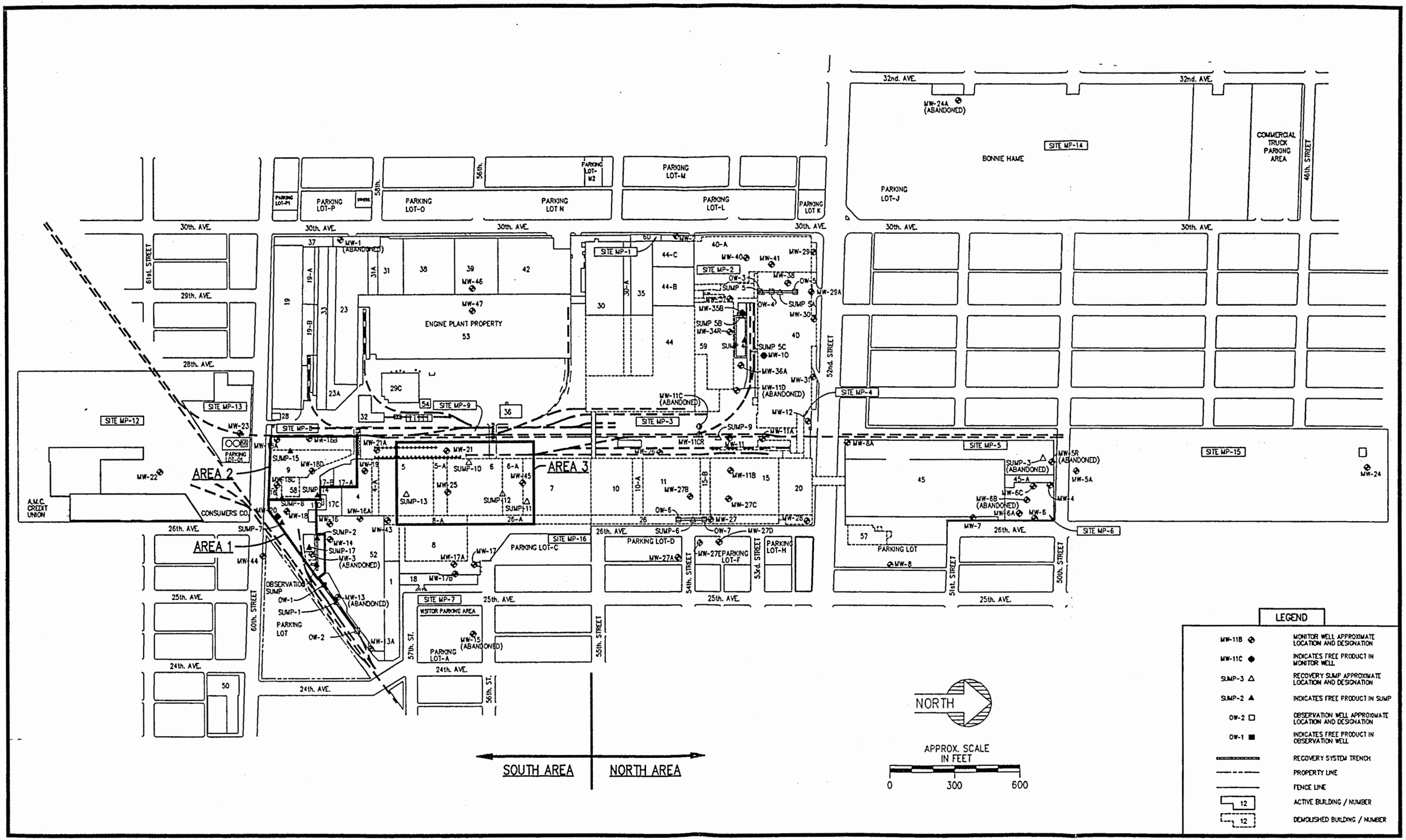

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FIGURE 1
CHRYSLER KENOSHA MAIN PLANT
FACILITY LAYOUT

ATTACHMENT 1

SUMMARY OF TOTAL ESTIMATED HOURLY VOC AND YEARLY BENZENE EMISSION RATES

Chrysler Corporation
Kenosha, Wisconsin
Estimated VOC and Benzene Emissions

	VOC Emissions (lbs/hr)						Benzene Emissions (lbs/yr)					
1996	April	May	June	July	August	Sept	April	May	June	July	August	Sept
Air Strippers:												
Sumps 4,5	---	---	---	0.001	---	---	---	---	---	17.5	---	---
Sump 6	---	---	---	0.001	---	---	---	---	---	0.2	---	---
Sump 9	---	---	---	0.00014	---	---	---	---	---	1.2	---	---
Sumps 7,8,14,15	---	---	---	0	---	---	---	---	---	0.75	---	---
Sumps 10,11,12,13	---	---	---	0.015	---	---	---	---	---	32.2	---	---
Soil Vapor Extraction:												
Sump 9	0.16*	0.084*	0.11*	0.182*	0.512*	0.934*	2.36	2.36	2.36	2.36	3.54	2.36
Area 3 Trailer	0.111*	0.0414*	0.007*	0.063*	**	0.491*	0.778	0.778	0.778	0.778	**	0.778
Area 3 Main	0.097*	0.072*	0.0051*	0.013*	0.016*	0.023*	2.0*	1.81	1.81	1.81	1.81	1.81
Total (8 treatment systems)	0.368	0.1974	0.1221	0.275	0.528	1.448	5.138	4.948	4.948	56.8	5.35	4.948
Wisconsin Emission thresholds	**5.7**						**300**					

Note: Air stripper system emission values are average cumulative values from the system groundwater influent and effluent monitoring data. Air stripper influent concentration values used to calculate emissions are weighted averages based on influent loading from each groundwater recovery sump contributing to each respective air stripper treatment system. The air strippers are sampled quarterly.

For SVE air samples having a benzene concentration below the laboratory detection limit, the detection limit was used to calculate emissions.
*The C4-C12 laboratory method results were used to calculate emissions. The 601/602 VOC method was also run, however the concentrations were lower.

** The trailor SVE system was not sampled during August due to maintainance being done on the system.

ATTACHMENT 2

SUMMARY OF DATA USED TO ESTIMATE GROUNDWATER TREATMENT SYSTEM (AIR STRIPPER) EMISSIONS

ATTACHMENT 2

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

Date	Sump 4					Sump 5				
	Influent		Flow			Influent		Flow		
	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)
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
06/07/94	5.700	15.860	82,656	1.25	91,737	5.400	14.920	78,799	1.19	113,772
08/24/94	3.940	11.230	166,298	1.48	258,035	0.035	17.360	154,158	1.37	267,930
12/08/94	3.180	7.455	228,826	1.50	486,861	2.550	7.326	171,096	1.12	439,026
03/15/95	2.657	5.946	125,374	0.90	612,235	0.044	36.633	141,180	1.01	580,206
06/23/95	2.657	5.946	134,016	0.93	746,251	0.044	36.633	202,862	1.41	783,068
09/19/95	2.400	5.100	126,381	1.00	872,632	2.100	13.900	126,103	1.00	909,171
12/07/95	2.000	5.1200	106,053	0.93	978,685	2.100	5.710	62,524	0.55	971,695
03/14/96	2.000	5.1200	51,791	0.37	1,030,476	0.000	34.25	54,251	0.38	1,025,946
07/09/96	2.700	3.9710	36,881	0.22	1,067,357	3.300	4.717	126,470	0.75	1,152,416

Date	Sumps 4 and 5 Composite												
	Sump 4&5 Weighted Average		Flow			Effluent		Percent Removal		Benzene Emissions (lbs)		Benzene Emiss	VOC Emiss
	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/yr)	For Reporting Period (lbs/hr)
04/21/94													
04/22/94	1.5095	4.7023	44,054	30.59	44,054	0.150	0.460	90.06%	90.22%	0.499	0.499	179.812	0.065
06/07/94	5.5536	15.4012	161,455	2.44	205,509	0.017	0.087	99.69%	99.44%	7.455	7.955	62.254	0.019
08/24/94	2.0613	14.1789	320,456	2.85	525,965	0.069	0.403	96.65%	97.16%	5.325	13.279	38.553	0.020
12/08/94	2.9105	7.3998	399,922	2.62	925,887	0.159	0.528	94.54%	92.86%	9.177	22.456	35.149	0.009
03/15/95	1.2730	22.1993	266,554	1.91	1,192,441	0.436	4.372	65.75%	80.31%	1.861	24.317	26.771	0.017
06/23/95	1.2730	22.1993	336,878	2.34	1,529,319	0.002	0.011	99.84%	99.95%	3.571	27.888	23.512	0.026
09/19/95	2.2502	9.4952	252,484	1.99	1,781,803	0.031	0.046	98.62%	99.52%	4.673	32.561	22.761	0.009
12/07/95	2.0371	5.3388	168,577	1.48	1,950,380	0.031	0.1226	98.48%	97.70%	2.820	35.381	21.443	0.004
03/14/96	0.9768	20.0229	106,042	0.75	2,056,422	0.000	0.108	100.00%	99.46%	0.864	36.245	18.856	0.007
07/09/96	3.1645	4.5486	163,351	0.97	2,219,773	0.880	2.030	72.19%	55.37%	3.112	39.358	17.514	0.001

Notes:
The system was down from 4/22/94 to 5/5/94, until intial sampling results were received.
VOC = Volatile Organic Compounds
No influent samples were collected on 6/23/95. Influent concentrations are assumed to be the same as detected during previous sampling event.
No influent samples were collected on 3/14/96 for Sump 4 due to repairs. Influent concentrations were assumed to be the same as detected during previous sampling event.
During the 7/9/96 sampling event Compuchem reported data for 33 of 49 WDNR listed VOC compounds. The 33 compounds were used to tabulate total VOCs concentrations.

ATTACHMENT 2

Table 2
Chrysler Corporation
Kenosha Main Plant
Sump 6 Groundwater Treatment
System

Date	Influent		Flow			Effluent		Percent Removal		Benzene Emissions (lbs)		Benzene Emiss.	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/yr)	For Reporting Period (lbs/hr)
04/21/94	Started the System												
04/22/94	0.0005	2.280	21,213	14.73	21,213	0.0005	0.0952	0.00%	95.82%	0.000	0.000	0.000	0.016
06/07/94	0.0005	4.480	211,108	3.19	232,321	0.0015	0.1249	ERR	97.21%	ERR	0.000	0.000	0.007
08/24/94	0.0012	2.440	365,734	3.26	598,055	0.0006	0.0047	50.00%	99.81%	0.002	0.002	0.005	0.004
12/06/94	0.0005	1.250	672,113	4.49	1,270,168	0.0005	0.0127	0.00%	98.98%	0.000	0.002	0.003	0.003
03/15/95	0.025	1.350	886,333	6.22	2,156,501	0.0005	0.0293	98.00%	97.83%	0.181	0.183	0.201	0.004
06/21/95	0.019	1.449	647,414	4.59	2,803,915	0.00038	0.0023	98.03%	99.84%	0.101	0.283	0.240	0.003
09/19/95	0.038	1.800	388,024	2.99	3,191,939	0.0008	0.0218	97.89%	98.79%	0.120	0.404	0.282	0.003
12/07/95	0.038	1.189	170,574	1.50	3,362,513	0.0008	0.0270	97.89%	97.73%	0.053	0.457	0.278	0.001
03/14/96	0.000	1.100	228,061	1.62	3,590,574	0.0000	0.0525	100.00%	95.23%	0.000	0.457	0.237	0.001
07/09/96	0.000	1.284	479,147	2.84	4,069,721	0.0000	0.5700	100.00%	55.61%	0.000	0.457	0.203	0.001

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.
Benzene was not detected during the 6/21/95 event; the reported influent and effluent concentrations are one-half the reported detection limits.
VOC = Volatile Organic Compounds
During the 7/9/96 sampling event Compuchem reported data for 33 of 49 WDNR listed VOC compounds. The 33 compounds were used to tabulate total VOCs concentrations.

ATTACHMENT 2

Table 3
Chrysler Corporation
Kenosha Main Plant
Sump 9 Groundwater Treatment
System

Date	Influent		Flow			Effluent		Percent Removal		Benzene Emissions (lbs)		Benzene Emiss.	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/yr)	For Reporting Period (lbs/hr)
03/06/95	Started the System												
03/16/95	2.31	7.67	6,810	0.47	6,810	0.744	2.281	67.79%	70.26%	0.089	0.089	3.202	0.001
06/23/95	2.31	7.67	36,789	0.26	43,599	0.27	0.649	88.31%	91.54%	0.626	0.715	2.361	0.001
09/19/95	2.20	4.40	25,347	0.20	68,946	0.35	0.83	84.09%	81.14%	0.391	1.106	2.021	0.0004
12/07/95	2.00	3.23	14,204	0.12	83,150	0.26	0.459	87.00%	85.81%	0.206	1.312	1.711	0.0002
03/14/96	1.60	2.326	1,716	0.01	84,866	0.057	0.091	96.44%	96.09%	0.022	1.334	1.284	0.00001
07/09/96	3.10	4.040	17,490	0.10	102,356	1.100	1.427	64.52%	64.68%	0.292	1.626	1.192	0.00014

Note: No influent samples were collected on 6/23/95. The influent concentrations are assumed to be the same as detected in the 3/16/95 samples.
VOC = Volatile Organic compound.
During the 7/9/96 sampling event Compuchem reported data for 33 of 49 WDNR listed VOC compounds. The 33 compounds were used to tabulate total VOCs concentrations.

ATTACHMENT 2

Table 4
Chrysler Corporation
Kenosha Main Plant
Sumps 7, 8, 14, 15 Groundwater Treatment
System

Date	Sump 7					Sump 8					Sump 14				
	Influent		Flow			Influent		Flow			Influent		Flow		
	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 (Gallons)	Average Flow Rate (GPM)	Cumulative Flow (Gallons)
03/06/95	Started the System														
03/14/95	0.005	0.267	6,480	0.56	6,480	0.050	4.315	6,154	0.53	6,154	0.003	3.417	18,046	1.57	18,046
06/23/95	0.005	0.267	160,017	1.10	166,497	0.050	4.315	90,012	0.62	96,166	0.003	3.417	122,360	0.84	140,406
09/19/95	0.001	0.200	292,744	2.31	459,241	0.210	6.210	69,355	0.55	165,521	0.094	2.700	103,278	0.82	243,684
11/01/95	0.001	0.200	292,744	2.31	459,241	0.210	6.210	69,355	0.55	165,521	0.094	2.700	103,278	0.82	243,684
12/07/95	0.470	20.63	56,163	1.08	515,404	0.620	28.140	42,734	0.82	208,255	0.470	16.070	69,165	1.33	312,849
03/14/96	0.000	0.980	105,322	0.75	620,726	0.000	37.600	17,005	0.12	225,260	0.000	0.050	23,139	0.16	335,988
07/09/96	0.000	0.086	138,991	0.82	759,717	0.000	0.033	91,986	0.55	317,246	0.000	0.388	82,926	0.49	418,914

Date	Sump 15					Sumps 7, 8, 14, 15 Composite										
	Influent		Flow			Sumps 7,8,14,15 Wgt. Ave.		Flow			Effluent		Percent Removal		Benzene Emissions (lbs)	
	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
03/06/95																
03/14/95	0.0005	0.423	1,250	0.11	1,250	0.0121	2.8336	31,930	2.77	31,930	0.0005	0.0058	95.86%	99.80%	0.003	0.003
06/23/95	0.0005	0.423	30,315	0.21	31,565	0.0140	2.1407	402,704	2.77	434,634	0.0004	0.0107	97.13%	99.50%	0.046	0.049
09/19/95	0.3100	12.100	23,410	0.18	54,975	0.0651	2.1509	488,787	3.86	923,421	0.2700	5.3100	ERR	ERR	ERR	0.049
11/01/95	0.310	12.100	23,410	0.18	54,975	0.0651	2.1509	488,787	3.86	923,421	0.0020	0.0456	96.93%	97.88%	0.257	0.306
12/07/95	0.005	0.237	21,040	0.41	76,015	0.4522	18.3903	189,102	3.65	1,112,523	0.0008	0.0025	99.82%	99.99%	0.712	1.018
03/14/96	0.000	0.0106	16,614	0.12	92,629	0.0000	4.5899	162,080	1.15	1,274,603	0.0000	0.2770	100.00%	93.97%	0.000	1.018
07/09/98	0.000	0.003	26,583	0.16	119,212	0.0000	0.1388	340,486	2.02	1,615,089	0.0000	0.0919	100.00%	33.77%	0.000	1.018

Date	Benzene Emis.	VOC Emiss
	For Reporting Period (lbs/yr)	For Reporting Period (lbs/hr)
03/06/95		
03/14/95	0.139	0.004
06/23/95	0.161	0.003
09/19/95	0.090	ERR
11/01/95	0.459	0.008
12/07/95	1.328	0.034
03/14/96	0.980	0.002
07/09/96	0.746	0.000

Note: The system was down from 4/22/94 to 5/5/94, until the initial sampling results were received.
VOC = Volatile Organic Compounds
No influent samples collected on 6/23/95. Influent concentrations are assumed to be the same as detected on 3/14/95.
The percent removal of benzene and total VOC's for the sample collected on 9/19/95 is shown as an error because the detected effluent concentration was higher than the weighted detected influent concentration
Resampling of Sumps 7,8,14,15 composite effluent occurred on 11/1/95 due to the air strippers being deactivated and cleaned after the 9/19/95 sampling event.
No influent samples collected on 11/01/95. Influent concentrations assumed to be the same as on 9/19/95
During the 7/9/96 sampling event Compuchem reported data for 33 of 49 WDNR listed VOC compounds. The 33 compounds were used to tabulate total VOCs concentrations.

ATTACHMENT 2

Table 5
Chrysler Corporation
Kenosha Main Plant
Sumps 10, 11, 12, 13 Groundwater Treatment System

Date	Sump 10					Sump 11					Sump 12				
	Influent		Flow			Influent		Flow			Influent		Flow		
	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 (Gallons)	Average Flow Rate (GPM)	Cumulative Flow (Gallons)
03/06/95	Started the System														
03/16/95	0.416	4.094	51,840	3.60	51,840	1.790	3.483	52,724	3.66	52,724	1.670	3.850	29,184	2.03	29,184
06/23/95	0.416	4.094	646,958	4.54	698,798	1.790	3.483	869,353	6.10	922,077	1.670	3.850	364,583	2.56	393,767
09/19/95	0.120	1.400	585,684	4.62	1,284,482	1.000	2.800	548,615	4.33	1,470,692	0.001	0.010	267,392	2.11	661,159
11/01/95	0.120	1.400	585,684	4.62	1,284,482	1.000	2.800	548,615	4.33	1,470,692	0.001	0.010	267,392	2.11	661,159
12/07/95	0.420	1.900	542,521	10.47	1,827,003	0.490	1.952	663,829	12.81	2,134,521	0.007	0.037	423,872	8.18	1,085,031
03/14/96	0.000	4.025	488,513	3.46	2,315,516	0.370	1.661	417,436	2.96	2,551,957	0.000	0.0068	79,630	0.56	1,164,661
07/09/96	0.000	4.190	827,310	4.91	3,142,826	0.610	2.206	470,984	2.80	3,022,941	0.000	0.017	330,306	1.96	1,494,967

Date	Sump 13					Sumps 10, 11, 12, 13 Composite										
	Influent		Flow			Sumps 10, 11, 12, 13 Wgt. A		Flow			Effluent		Percent Removal		Benzene Emissions (lbs)	
	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
03/06/95																
03/16/95	0.9890	2.093	38,089	2.65	38,089	1.1776	3.4216	171,837	11.93	171,837	0.0005	0.00801	99.96%	99.77%	1.687	1.687
06/23/95	0.9890	2.093	549,363	3.85	587,452	1.2252	3.3865	2,430,257	17.05	2,602,094	0.0030	0.0060	99.76%	99.82%	24.771	26.458
09/19/95	0.2200	3.792	188,516	1.49	775,968	0.4154	1.9328	1,590,207	12.55	4,192,301	0.2200	1.7030	47.04%	11.89%	2.592	29.050
11/01/95	0.2200	3.792	188,516	1.49	775,968	0.4154	1.9328	1,590,207	12.55	4,192,301	0.0080	0.0020	98.07%	99.90%	5.403	34.453
12/07/95	0.4500	1.771	331,222	6.39	1,107,190	0.3595	1.4932	1,961,444	37.84	6,153,745	0.0008	0.0016	99.78%	99.89%	5.868	40.321
03/14/96	0.0000	0.815	301,542	2.14	1,408,732	0.1200	2.2577	1,287,121	9.12	7,440,866	0.0000	0.1080	100.00%	95.22%	1.288	41.609
07/09/96	0.0000	1.124	517,601	3.07	1,926,333	0.1339	2.3729	2,146,201	12.74	9,587,067	0.003	0.027	97.76%	98.86%	2.342	43.951

Date	Benzene Emiss. For Reporting Period (lb/yr)	VOC Emiss For Reporting Period (lbs/hr)
03/06/95		
03/16/95	60.727	0.020
06/23/95	87.384	0.029
09/19/95	53.086	0.001
11/01/95	51.679	0.0248
12/07/95	52.592	0.0282
03/14/96	40.051	0.0098
07/09/96	32.225	0.0150

Note: VOC = Volatile Organic Compounds
No influent samples collected 6/23/95. Influent concentrations assumed to be the same as on 3/16/95.
No influent samples collected 11/09/95. Influent concentrations assumed to be the same as on 9/19/95
Air stripper effluent was resampled 11/01/95 because air stripper was deactivated and cleaned after the 9/19/95 event.

ATTACHMENT 3

SUMMARY OF DATA USED IN SVE EMISSION CALCULATIONS

Chrysler Corporation
Kenosha, Wisconsin
Area 3 Main and Trailer SVE Systems Air Effluent Sample Results

DATE		4/8/96	4/8/96	5/10/96	5/10/96	6/4/96	6/4/96	7/8/96	7/8/96	8/5/96	9/23/96	9/23/96
SAMPLE NO.	**UNITS**	MAIN-13	TRAILER-13	MAIN-14	TRAILER-14	MAIN-15	TRAILER-15	MAIN-16	TRAILER-16	MAIN-17	MAIN-18	TRAILER-17
601/602 method												
1,1 dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---
trans-1,2 dichloroethylene	ug/l	1.10	1.10	0.90	0.60	---	---	---	---	---	0.40	1.00
1,1 dichloroethane	ug/l	0.25	0.60	0.21	0.24	---	---	---	0.11	---	0.11	0.82
1,1,1 trichloroethane	ug/l	0.10	---	0.03	---	0.03	---	0.05	---	0.17	0.28	---
benzene	ug/l	---	---	---	---	---	---	---	---	---	---	---
trichloroethylene	ug/l	0.19	---	---	---	0.03	---	0.06	---	0.10	0.29	0.03
ethyl benzene	ug/l	---	---	---	---	---	---	---	---	---	---	---
Total VOCs	ug/l	1.64	1.70	1.14	0.84	0.06	0.00	0.11	0.11	0.27	1.08	1.85
C4-C12 method												
Benzene	ug/l	0.22	---	---	---	---	---	---	---	---	---	---
Total C4-C12	ug/l	93.59	125.27	69.79	46.67	4.96	7.89	13.08	70.63	15.26	22.78	553.03

Flow Rate at Trailer = 237 cfm
Flow Rate at Main building = 276 cfm

Notes:
--- No detection
ug/l micrograms per liter
VOCs volatile organic compounds
601/602 and C4-C12 methods-analyses are performed using the laboratory Analytical Method AM 4.03, a modification of USEPA Method 3810 (headspace) and 8000 (gas chromatography).

Chrysler Corporation
Kenosha, Wisconsin
Sump 9 SVE Air Effluent Sample Results

DATE		4/8/96	5/10/96	6/4/96	7/8/96	8/5/96	9/23/96
SAMPLE NO.	**UNITS**	**16**	**17**	**18**	**19**	**20**	**21**
601/602 method							
Trans-1,2 DCE	ug/l	1.5	1.00	0.8	0.9	---	0.4
1,1 DCA	ug/l	0.65	0.39	0.33	0.47	0.71	1.51
Chloroform	ug/l	---	---	---	---	0.04	0.073
1,1,1 TCA	ug/l	0.03	0.04	0.08	0.26	0.16	0.07
Benzene	ug/l	---	---	---	---	0.3	---
Toluene	ug/l	---	---	---	---	---	---
Ethylbenzene	ug/l	---	---	---	---	---	---
1,2-Dichloroethane	ug/l	---	---	---	---	---	---
Total VOCs	ug/l	2.18	1.43	1.21	1.63	1.21	2.053
C4-C12 method							
Benzene	ug/l	---	---	---	---	---	---
Total C4-C12	ug/l	121.35	62	79.28	135.06	379.67	692.27

Vacuum = 1.6 inches.
Flow Rate = 360 cfm

Notes:
--- No detection
ug/l micrograms per liter
VOCs volatile organic compounds
601/602 and C4-C12 methods-analyses are performed using the laboratory Analytical Method AM 4.03, a modification of USEPA Method 3810 (headspace) and 8000 (gas chromatography).

ATTACHMENT 4

LABORATORY DOCUMENTATION

SVE SYSTEM AIR SAMPLE ANALYTICAL RESULTS

MICROSEEPS
University of Pittsburgh Applied Research Center
220 William Pitt Way, Pittsburgh, PA 15238
(412) 826-5245
FAX (412) 826-3433

October 1, 1996

Mr. Ross Creighton
Triad Engineering, Inc.
325 E. Chicago Street
Milwaukee, WI 53209

Dear Mr. Creighton:

Attached is the final data listing for the samples we received on September 25, 1996, your project #W973207.D.

Please give me call if you have questions or I can be of further assistance. Thank you for using MICROSEEPS.

Sincerely,

David J. Masdea (lsp)

David J. Masdea

DJM/lsp

Attachment: TEI27-962862

MICROSEEPS

ANALYSIS OF VOLATILE ORGANICS IN GAS SAMPLES

Gas samples are received and secured in accordance with Microseeps documented sample receipt procedures. Analyses are performed using Microseeps Analytical Method AM4.03. Analytical method AM4.03 is a modification of USEPA Method 3810 (Headspace) and 8000 (Gas Chromatography). Modifications implemented are to accommodate the gas phase sample type only. All applicable quality control procedures are followed including continuing calibration check standards and laboratory blanks. Microseeps Analytical Method AM4.03 will be supplied upon request.

220 William Pitt Way, Pittsburgh, PA 15238 • Phone (412) 826-5245, Fax (412) 826-3433

MICROSEEPS

TE127-962862

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----

----- PROJECT NO: W973207.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID AREA3-BLDG-INF	SAMPLE ID AREA3-BLDG-EFF	SAMPLE ID AREA3-TRAILER-INF	SAMPLE ID AREA3-TRAILER-EFF	LDLs
CHLOROMETHANE	<2	<2	<2	<2	2
VINYL CHLORIDE	<3	<3	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	0.4	0.4	1.2	1.0	0.4
1,1 DICHLOROETHANE	0.10	0.11	1.18	0.82	0.04
CHLOROFORM	<.03	<.03	<.02	<.02	0.03
1,1,1 TRICHLOROETHANE	0.26	0.28	0.13	<.03	0.03
CARBON TETRACHLORIDE	<.03	<.03	<.03	<.03	0.03
BENZENE	<.2	<.2	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	<.04	<.04	0.04
TRICHLOROETHYLENE	0.26	0.29	0.19	0.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
TOLUENE	<.2	<.2	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	0.07	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	<.3	<.3	0.3
BROMOFORM	<.05	<.05	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
FILE NAME	W65 347	W65 348	W65 349	W65 350	
DATE SAMPLED	09/23/96	09/23/96	09/23/96	09/23/96	
DATE RECEIVED	09/25/96	09/25/96	09/25/96	09/25/96	
DATE ANALYZED	09/26/96	09/26/96	09/26/96	09/26/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

25-Sep-96

ANALYST INITIALS

LAB MANAGER INITIALS

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TE127-962862

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER MAIN PLANT, KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID SUMP9-SVE-INF	SAMPLE ID SUMP9-SVE-EFF	LDLs
CHLOROMETHANE	<2	<2	2
VINYL CHLORIDE	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	<.4	0.4	0.4
1,1 DICHLOROETHANE	1.58	1.51	0.04
CHLOROFORM	0.083	0.073	0.02
1,1,1 TRICHLOROETHANE	0.07	0.07	0.03
CARBON TETRACHLORIDE	<.03	<.03	0.03
BENZENE	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	0.04
TRICHLOROETHYLENE	<.03	<.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
TOLUENE	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	0.3
BROMOFORM	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	0.4
FILE NAME	W65 351	W65 352	
DATE SAMPLED	09/23/96	09/23/96	
DATE RECEIVED	09/25/96	09/25/96	
DATE ANALYZED	09/26/96	09/26/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

25-Sep-96

ANALYST INITIALS

LAB MANAGER INITIALS DOM

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TE127-962862

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W973207.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "624"(LEVEL 2), "624"(LEVEL 1), "VC-996"
REFERENCE: W65A/B344, W65A/B345, W65A346

COMPOUND	KNOWN	RESULT	PERCENT DIFFERENCE
CHLOROMETHANE	43	42	1.58
VINYL CHLORIDE	2551	2480	2.84
BROMOMETHANE/CHLOROETHANE*	9	9	1.16
FLUOROTRICHLOROMETHANE	4.31	4.31	0.00
1,1 DICHLOROETHYLENE	4.31	4.39	1.72
METHYLENE CHLORIDE	7	6	14.71
TRANS-1,2 DICHLOROETHYLENE	4.3	4.3	1.02
1,1 DICHLOROETHANE	4.30	4.28	0.47
CHLOROFORM	4.31	4.29	0.57
1,1,1 TRICHLOROETHANE	4.32	4.39	1.50
CARBON TETRACHLORIDE	4.31	4.51	4.34
BENZENE & 1,2-DCA**	7.7	7.4	3.83
1,2 DICHLOROETHANE	4.30	4.39	2.03
TRICHLOROETHYLENE	4.31	4.72	8.68
1,2 DICHLOROPROPANE	4.31	4.28	0.65
BROMODICHLOROMETHANE	4.31	4.35	0.93
CIS-1,3 DICHLOROPROPYLENE	4.32	4.30	0.42
TOLUENE	4.3	4.0	7.45
TRANS-1,3 DICHLOROPROPYLENE	4.32	4.29	0.74
1,1,2 TRICHLOROETHANE	4.31	4.48	3.90
TETRACHLOROETHYLENE	4.29	4.26	0.79
CHLORODIBROMOMETHANE	4.31	4.39	1.75
CHLOROBENZENE	4.3	4.0	6.90
ETHYL BENZENE	4.3	3.9	9.76
BROMOFORM	4.31	4.39	1.89
1,1,2,2 TETRACHLOROETHANE	4.31	4.16	3.47
1,3 DICHLOROBENZENE	4.3	4.3	1.27
1,4 DICHLOROBENZENE	4.3	4.3	0.70
1,2 DICHLOROBENZENE	4.3	4.5	4.64

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.
** COMPOUNDS ELUTE TOGETHER ON FID - VALUE REPRESENTS A COMBINATION OF BOTH.

25-Sep-96

ANALYST INITIALS

LAB MANAGER INITIALS DJM

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TE127-962862

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W973207.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W65A/B343

COMPOUND	BLANK	LOWER DETECTION LIMIT
CHLOROMETHANE	ND	2
VINYL CHLORIDE	ND	3
BROMOMETHANE/CHLOROETHANE*	ND	3
FLUOROTRICHLOROMETHANE	ND	0.03
1,1 DICHLOROETHYLENE	ND	0.04
METHYLENE CHLORIDE	ND	3
TRANS-1,2 DICHLOROETHYLENE	ND	0.4
1,1 DICHLOROETHANE	ND	0.04
CHLOROFORM	ND	0.02
1,1,1 TRICHLOROETHANE	ND	0.03
CARBON TETRACHLORIDE	ND	0.03
BENZENE	ND	0.2
1,2 DICHLOROETHANE	ND	0.04
TRICHLOROETHYLENE	ND	0.03
1,2 DICHLOROPROPANE	ND	0.05
BROMODICHLOROMETHANE	ND	0.03
CIS-1,3 DICHLOROPROPYLENE	ND	0.05
TOLUENE	ND	0.2
TRANS-1,3 DICHLOROPROPYLENE	ND	0.05
1,1,2 TRICHLOROETHANE	ND	0.03
TETRACHLOROETHYLENE	ND	0.03
CHLORODIBROMOMETHANE	ND	0.04
CHLOROBENZENE	ND	0.3
ETHYL BENZENE	ND	0.3
BROMOFORM	ND	0.05
1,1,2,2 TETRACHLOROETHANE	ND	0.03
1,3 DICHLOROBENZENE	ND	0.4
1,4 DICHLOROBENZENE	ND	0.4
1,2 DICHLOROBENZENE	ND	0.4

* COMPOUNDS ELUTE TOGETHER ON ECD - VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

25-Sep-96

ANALYST INITIALS

LAB MANAGER INITIALS DTM

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TE127A-962862

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----

----- PROJECT NO: W973207.D -----

----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

SAMPLE NAME	PENTANE	HEXANE	HEPTANE	BENZENE	OCTANE	TOLUENE	NONANE	ETHYL BENZENE	M&P XYLENE	O-XYLENE	DECANE	TOTAL C4-C12	FILE NAME	DATE SAMPLED	DATE RECEIVED	DATE ANALYZED
AREA3-BLDG-INF	1.56	1.17	1.20	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	22.49	W65A347	09/23/96	09/25/96	09/26/96
AREA3-BLDG-EFF	1.35	1.07	1.22	<.30	0.36	<.30	<.30	<.30	<.30	<.30	<.30	22.78	W65A348	09/23/96	09/25/96	09/26/96
AREA3-TRAILER-INF	13.96	85.58	329.07	<.30	<.30	<.30	<.30	<.30	<.30	20.77	<.30	5585.19	W65A349	09/23/96	09/25/96	09/26/96
AREA3-TRAILER-EFF	1.24	7.60	41.64	<.30	<.30	<.30	<.30	<.30	<.30	1.92	<.30	553.03	W65A350	09/23/96	09/25/96	09/26/96
SUMP9-SVE-INF	69.60	30.02	32.33	<.30	7.85	<.30	1.49	<.30	<.30	<.30	0.63	839.41	W65A351	09/23/96	09/25/96	09/26/96
SUMP9-SVE-EFF	59.76	27.01	28.72	<.30	6.86	<.30	1.35	<.30	<.30	0.51	<.30	692.27	W65A352	09/23/96	09/25/96	09/26/96
LDLs FOR ABOVE SAMPLES	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30				

25-Sep-96

ANALYST INITIALS

LAB MANAGER INITIALS DOM

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TE127A-962862

**** QUALITY CONTROL ****

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W973207.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "L6"(LEVEL 4), "220"
REFERENCE: W65A332, W65A335

COMPOUND	KNOWN ug/L	RESULT ug/L	PERCENT DIFFERENCE
PENTANE	293.04	292.00	0.35
HEXANE	397.30	383.49	3.48
HEPTANE	2.96	2.77	6.25
BENZENE	3.78	3.56	5.85
OCTANE	3.04	2.81	7.54
TOLUENE	3.74	3.51	6.06
NONANE	3.10	3.03	2.20
ETHYL BENZENE	3.74	3.68	1.74
M&P XYLENE	7.46	7.34	1.57
O-XYLENE	3.74	3.62	3.35
DECANE	3.15	3.08	2.22

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W65A343

COMPOUND	BLANK ug/L	LOWER DETECTION LIMIT ug/L
PENTANE	ND	0.30
HEXANE	ND	0.30
HEPTANE	ND	0.30
BENZENE	ND	0.30
OCTANE	ND	0.30
TOLUENE	ND	0.30
NONANE	ND	0.30
ETHYL BENZENE	ND	0.30
M&P XYLENE	ND	0.30
O-XYLENE	ND	0.30
DECANE	ND	0.30

25-Sep-96

ANALYST INITIALS

LAB MANAGER INITIALS

TEI 2?? - 9628?2

MICROSEEPS, Inc.

220 William Pitt Way, Pittsburgh, PA 15238

Phone: (412) 826-5245 Fax: (412) 826-3433

CHAIN-OF-CUSTODY RECORD

Company Name: TRIAD Engineering
Address: 325 E. Chicago St. Milw, WI 53202
Proj. Manager: ROSS CREIGHTON
Proj. Location: CHRYSLER - Kenosha
Proj. Number: 973207.K0
Phone # : (414) 291-8840 Fax # : (414) 291-8844

Sampler's signature : _____

Note: Enter proper letters in Requested Analyses columns below.

Analysis Options Note: If analysis D,E,or K is selected, scratch (option) NOT wanted.

* A	C1 -C4	G	Chlorinated HC
* B	Hydrogen & Helium	H	BTEX
* C	Permanent Gases (CH4, CO, CO2, N2, O2)	J	BTEX & C5 - C10
D	Mercury (Soil) or (Air **)	K	TPH (~~8C - C10~~) or (C4 -C12)
E	TO-14 by GC/MS (Ambient) or (Source **)	L	C11 - C18
F	601 & 602 Compounds	Other	Specify below.

* An additional 22 ml vial of sample is required when requested in combination with another analysis.

** Available upon request.

Collection Date	Collection Time	Number of Containers	"Summa" # if Can. used	Sample Type	Sample Identification	Requested Analyses					(Other)	Remarks
9-23-96	1038	2		AIR	AREA3-Bldg Inf	F	J	K				
9-23-96	1042	2		AIR	AREA3-Bldg EFF	F	J	K				
9-23-96	1105	2		AIR	AREA3-Trailer Inf	F	J	K				
9-23-96	1110	2		AIR	AREA3 Trailer EFF	F	J	K				
9-23-96	1137	2		AIR	Sump 9 SVE - INF	F	J	K				
9-23-96	1142	2		AIR	Sump 9 SVE - EFF	F	J	K				
												all results in micrograms per liter

Results to : ROSS CREIGHTON

Invoice to :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[signature]	TRIAD	9-24-96	16:00	[signature]	MICROSEEPS	9/25/96	1030
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Laboratory to return. YELLOW COPY : Laboratory PINK COPY : Submitter

MICROSEEPS

University of Pittsburgh Applied Research Center
220 William Pitt Way, Pittsburgh, PA 15238
(412) 826-5245
FAX (412) 826-3433

August 12, 1996

Mr. Ross Creighton
Triad Engineering, Inc.
325 E. Chicago Street
Milwaukee, WI 53209

Dear Mr. Creighton:

Attached is the final data listing for the samples we received on August 6, 1996, your project #W973207.D.

Please give me call if you have questions or I can be of further assistance. Thank you for using MICROSEEPS.

Sincerely,

David J. Masdea

DJM/lsp

Attachment: TEI26A-962682

MICROSEEPS

ANALYSIS OF VOLATILE ORGANICS IN GAS SAMPLES

Gas samples are received and secured in accordance with Microseeps documented sample receipt procedures. Analyses are performed using Microseeps Analytical Method AM4.03. Analytical method AM4.03 is a modification of USEPA Method 3810 (Headspace) and 8000 (Gas Chromatography). Modifications implemented are to accommodate the gas phase sample type only. All applicable quality control procedures are followed including continuing calibration check standards and laboratory blanks. Microseeps Analytical Method AM4.03 will be supplied upon request.

220 William Pitt Way, Pittsburgh, PA 15238 • Phone (412) 826-5245, Fax (412) 826-3433

MICROSEEPS

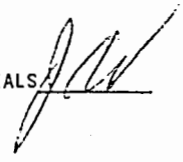
TEI26-962682

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W973207.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID AREA3-SVE -BLDG-EFF	SAMPLE ID AREA3-SVE -BLDG-INF	SAMPLE ID SUMP9-SVE -EFFLUENT	SAMPLE ID SUMP9-SVE -INFLUENT	LDLs
CHLOROMETHANE	<2	<2	<2	<2	2
VINYL CHLORIDE	<3	<3	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	<.4	<.4	<.4	0.4	0.4
1,1 DICHLOROETHANE	<.04	0.06	0.71	0.82	0.04
CHLOROFORM	<.03	<.03	0.04	0.05	0.03
1,1,1 TRICHLOROETHANE	0.17	0.16	0.16	0.20	0.03
CARBON TETRACHLORIDE	<.03	<.03	<.03	<.03	0.03
BENZENE	<.2	<.2	0.3	0.4	0.2
1,2 DICHLOROETHANE	<.04	<.04	<.04	<.04	0.04
TRICHLOROETHYLENE	0.10	0.16	<.03	<.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
TOLUENE	<.2	<.2	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	<.3	<.3	0.3
BROMOFORM	<.05	<.05	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
FILE NAME	W64 244	W64 245	W64 246	W64 247	
DATE SAMPLED	08/05/96	08/05/96	08/05/96	08/05/96	
DATE RECEIVED	08/06/96	08/06/96	08/06/96	08/06/96	
DATE ANALYZED	08/07/96	08/07/96	08/07/96	08/07/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

05-Aug-96

ANALYST INITIALS 

LAB MANAGER INITIALS 

MICROSEEPS

TEI26-962682

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W973207.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "624"(LEVEL 2), "624"(LEVEL 1), "VC-996"
REFERENCE: W64A/B236, W64A/B237, W64A238

COMPOUND	KNOWN	RESULT	PERCENT DIFFERENCE
CHLOROMETHANE	43	50	14.37
VINYL CHLORIDE	2551	2462	3.62
BROMOMETHANE/CHLOROETHANE*	9	9	6.67
FLUOROTRICHLOROMETHANE	4.31	4.49	4.02
1,1 DICHLOROETHYLENE	4.31	4.52	4.57
METHYLENE CHLORIDE	7	7	3.95
TRANS-1,2 DICHLOROETHYLENE	4.3	4.4	2.15
1,1 DICHLOROETHANE	4.30	4.51	4.68
CHLOROFORM	4.31	4.52	4.65
1,1,1 TRICHLOROETHANE	4.32	4.58	5.52
CARBON TETRACHLORIDE	4.31	4.51	4.34
BENZENE & 1,2-DCA**	7.7	7.5	2.34
1,2 DICHLOROETHANE	4.30	4.45	3.37
TRICHLOROETHYLENE	4.31	4.53	4.99
1,2 DICHLOROPROPANE	4.31	4.35	0.96
BROMODICHLOROMETHANE	4.31	4.60	6.28
CIS-1,3 DICHLOROPROPYLENE	4.32	4.51	4.14
TOLUENE	4.3	4.1	5.75
TRANS-1,3 DICHLOROPROPYLENE	4.32	4.39	1.55
1,1,2 TRICHLOROETHANE	4.31	4.68	7.84
TETRACHLOROETHYLENE	4.29	4.45	3.50
CHLORODIBROMOMETHANE	4.31	4.61	6.48
CHLOROBENZENE	4.3	4.1	5.32
ETHYL BENZENE	4.3	4.0	7.84
BROMOFORM	4.31	4.49	3.93
1,1,2,2 TETRACHLOROETHANE	4.31	4.45	3.25
1,3 DICHLOROBENZENE	4.3	3.8	15.02
1,4 DICHLOROBENZENE	4.3	4.0	8.60
1,2 DICHLOROBENZENE	4.3	4.1	6.35

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.
** COMPOUNDS ELUTE TOGETHER ON FID - VALUE REPRESENTS A COMBINATION OF BOTH.

05-Aug-96

ANALYST INITIALS JAV

LAB MANAGER INITIALS DJM

MICROSEEPS

TEI26-962682

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W973207.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W64A/B243

COMPOUND	BLANK	LOWER DETECTION LIMIT
CHLOROMETHANE	ND	2
VINYL CHLORIDE	ND	3
BROMOMETHANE/CHLOROETHANE*	ND	3
FLUOROTRICHLOROMETHANE	ND	0.03
1,1 DICHLOROETHYLENE	ND	0.04
METHYLENE CHLORIDE	ND	3
TRANS-1,2 DICHLOROETHYLENE	ND	0.4
1,1 DICHLOROETHANE	ND	0.04
CHLOROFORM	ND	0.02
1,1,1 TRICHLOROETHANE	ND	0.03
CARBON TETRACHLORIDE	ND	0.03
BENZENE	ND	0.2
1,2 DICHLOROETHANE	ND	0.04
TRICHLOROETHYLENE	ND	0.03
1,2 DICHLOROPROPANE	ND	0.05
BROMODICHLOROMETHANE	ND	0.03
CIS-1,3 DICHLOROPROPYLENE	ND	0.05
TOLUENE	ND	0.2
TRANS-1,3 DICHLOROPROPYLENE	ND	0.05
1,1,2 TRICHLOROETHANE	ND	0.03
TETRACHLOROETHYLENE	ND	0.03
CHLORODIBROMOMETHANE	ND	0.04
CHLOROBENZENE	ND	0.3
ETHYL BENZENE	ND	0.3
BROMOFORM	ND	0.05
1,1,2,2 TETRACHLOROETHANE	ND	0.03
1,3 DICHLOROBENZENE	ND	0.4
1,4 DICHLOROBENZENE	ND	0.4
1,2 DICHLOROBENZENE	ND	0.4

* COMPOUNDS ELUTE TOGETHER ON ECD - VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

05-Aug-96

ANALYST INITIALS JM

LAB MANAGER INITIALS DTM

MICROSEEPS

TEI26A-962682

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W973207.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

SAMPLE NAME	PENTANE	HEXANE	HEPTANE	BENZENE	OCTANE	TOLUENE	NONANE	ETHYL BENZENE	M&P XYLENE	O-XYLENE	DECANE	TOTAL C4-C12	FILE NAME	DATE SAMPLED	DATE RECEIVED	DATE ANALYZED
AREA3-SVE-BLDG-EFF	0.79	0.83	0.52	<.30	<.30	<.30	<.30	<.30	<.30	<.30	0.47	15.26	W64A244	08/05/96	08/06/96	08/07/96
AREA3-SVE-BLDG-INF	1.09	1.16	0.66	<.30	<.30	<.30	<.30	<.30	<.30	<.30	0.54	22.27	W64A245	08/05/96	08/06/96	08/07/96
SUMP9-SVE-EFFLUENT	14.76	11.51	15.03	0.30	0.44	<.30	<.30	<.30	<.30	<.30	0.47	379.67	W64A246	08/05/96	08/06/96	08/07/96
SUMP9-SVE-INFLUENT	19.90	11.68	13.96	0.40	2.44	<.30	0.63	<.30	<.30	<.30	0.35	434.03	W64A247	08/05/96	08/06/96	08/07/96
LDLs FOR ABOVE SAMPLES	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30				

05-Aug-96

ANALYST INITIALS JCH

LAB MANAGER INITIALS DJM

MICROSEEPS

TEI26A-962682

**** QUALITY CONTROL ****

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W973207.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "L6"(LEVEL 4), "220"
REFERENCE: W64A238, W64A241

COMPOUND	KNOWN ug/L	RESULT ug/L	PERCENT DIFFERENCE
PENTANE	293.04	295.66	0.89
HEXANE	397.30	391.47	1.47
HEPTANE	2.96	2.83	4.44
BENZENE	3.78	3.59	4.92
OCTANE	3.04	2.84	6.62
TOLUENE	3.74	3.50	6.36
NONANE	3.10	3.03	2.37
ETHYL BENZENE	3.74	3.67	1.98
M&P XYLENE	7.46	7.37	1.22
O-XYLENE	3.74	3.65	2.42
DECANE	3.15	3.20	1.48

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W64A243

COMPOUND	BLANK ug/L	LOWER DETECTION LIMIT ug/L
PENTANE	ND	0.30
HEXANE	ND	0.30
HEPTANE	ND	0.30
BENZENE	ND	0.30
OCTANE	ND	0.30
TOLUENE	ND	0.30
NONANE	ND	0.30
ETHYL BENZENE	ND	0.30
M&P XYLENE	ND	0.30
O-XYLENE	ND	0.30
DECANE	ND	0.30

05-Aug-96

ANALYST INITIALS: JW

LAB MANAGER INITIALS: DOM

TEI26 - 762604

MICROSEEPS, Inc.

220 William Pitt Way, Pittsburgh, PA 15238

Phone: (412) 826-5245 Fax: (412) 826-3433

CHAIN-OF-CUSTODY RECORD

Note: Enter proper letters in Requested Analyses columns below.

Company Name: TRIAD ENGINEERING INC

Address: 325 E. CHICAGO ST. Milw, WI 53202

Proj. Manager: ROSS CREIGHTON

Proj. Location: CHRYSLER KENOSHA

Proj. Number: 973207.D

Phone # : (414) 2918840 Fax # : (414) 291-8841

Sampler's signature : Allan Polley

Analysis Options

Note: If analysis D,E,or K is selected, scratch (option) NOT wanted.

* A	C1 -C4	G	Chlorinated HC
* B	Hydrogen & Helium	H	BTEX
* C	Permanent Gases (CH4, CO, CO2, N2, O2)	J	BTEX & C5 - C10
D	Mercury (Soil) or (Air **)	K	TPH (~~C5 - C10~~) or (C4 -C12)
E	TO-14 by GC/MS (Ambient) or (Source **)	L	C11 - C18
F	601 & 602 Compounds	Other	Specify below.

* An additional 22 ml vial of sample is required when requested in combination with another analysis.

** Available upon request.

Collection Date	Collection Time	Number of Containers	"Summa" # if Can. used	Sample Type	Sample Identification	Requested Analyses					(Other)	Remarks
3-5-96	1145	2		AIR	AREA 3-SVE-Bldg-Inf	F	J	K				
3-5-96	1150	2		AIR	AREA 3-SVE-Bldg-Eff	F	J	K				
3-5-96	1210	2		AIR	Sump 9-SVE-Influent	F	J	K				
3-5-96	1215	2		AIR	Sump 9-SVE-Effluent	F	J	K				
												Please report results in micrograms per liter, (ug/L)

Results to : ROSS CREIGHTON

Invoice to :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Allan Polley	TRIAD Eng	3-5-96	1537	J.C. Mitchell	MS	3/6/96	1130
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Lab to return YELLOW COPY : Laboratory PINK COPY : Submitter

MICROSEEPS

University of Pittsburgh Applied Research Center
220 William Pitt Way, Pittsburgh, PA 15238
(412) 826-5245
FAX (412) 826-3433

July 19, 1996

Mr. Ross Creighton
Triad Engineering, Inc.
325 E. Chicago Street
Milwaukee, WI 53209

Dear Mr. Creighton:

Attached is the final data listing for the samples we received on July 9, 1996, your project #W963890.D.

Please give me call if you have questions or I can be of further assistance. Thank you for using MICROSEEPS.

Sincerely,

David J. Masdea

DJM/lsp

Attachment: TEI25-962586

MICROSEEPS

ANALYSIS OF VOLATILE ORGANICS IN GAS SAMPLES

Gas samples are received and secured in accordance with Microseeps documented sample receipt procedures. Analyses are performed using Microseeps Analytical Method AM4.03. Analytical method AM4.03 is a modification of USEPA Method 3810 (Headspace) and 8000 (Gas Chromatography). Modifications implemented are to accommodate the gas phase sample type only. All applicable quality control procedures are followed including continuing calibration check standards and laboratory blanks. Microseeps Analytical Method AM4.03 will be supplied upon request.

220 William Pitt Way, Pittsburgh, PA 15238 • Phone (412) 826-5245, Fax (412) 826-3433

MICROSEEPS

TEI25-962586

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID SUMP9-SVE -INF	SAMPLE ID SUMP9-SVE -EFF	SAMPLE ID AREA3-SVE -BLDG-INF	SAMPLE ID AREA3-SVE -BLDG-EFF	LDLs
CHLOROMETHANE	<2	<2	<2	<2	2
VINYL CHLORIDE	<3	<3	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	0.9	0.9	<.4	<.4	0.4
1,1 DICHLOROETHANE	0.39	0.47	0.06	<.04	0.04
CHLOROFORM	<.02	<.02	<.02	<.02	0.02
1,1,1 TRICHLOROETHANE	0.23	0.26	0.07	0.05	0.03
CARBON TETRACHLORIDE	<.03	<.03	<.03	<.03	0.03
BENZENE	<.2	<.2	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	<.04	<.04	0.04
TRICHLOROETHYLENE	<.03	<.03	0.20	0.06	0.03
1,2 DICHLOROPROPANE	<.05	<.05	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
TOLUENE	<.2	<.2	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	<.3	<.3	0.3
BROMOFORM	<.05	<.05	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
FILE NAME	W63 409	W63 410	W63 411	W63 412	
DATE SAMPLED	07/08/96	07/08/96	07/08/96	07/08/96	
DATE RECEIVED	07/09/96	07/09/96	07/09/96	07/09/96	
DATE ANALYZED	07/09/96	07/09/96	07/09/96	07/09/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

10-Jul-96

ANALYST INITIALS JLW

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI25-962586

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER MAIN PLANT, KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID AREA3-SVE-TRAILER-INF	SAMPLE ID AREA3-SVE-TRAILER-EFF	LDLs
CHLOROMETHANE	<2	<2	2
VINYL CHLORIDE	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	0.4	<.4	0.4
1,1 DICHLOROETHANE	0.32	0.11	0.04
CHLOROFORM	<.02	<.02	0.02
1,1,1 TRICHLOROETHANE	<.03	<.03	0.03
CARBON TETRACHLORIDE	<.03	<.03	0.03
BENZENE	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	0.04
TRICHLOROETHYLENE	<.03	<.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
TOLUENE	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	0.3
BROMOFORM	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	0.4
FILE NAME	W63 413	W63 414	
DATE SAMPLED	07/08/96	07/08/96	
DATE RECEIVED	07/09/96	07/09/96	
DATE ANALYZED	07/09/96	07/10/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

10-Jul-96

ANALYST INITIALS

LAB MANAGER INITIALS

MICROSEEPS

TEI25-962586

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "624"(LEVEL 2), "624"(LEVEL 1), "VC-996"
REFERENCE: W63A/B404, W63B406, W63A407

COMPOUND	KNOWN	RESULT	PERCENT DIFFERENCE
CHLOROMETHANE	43	45	4.67
VINYL CHLORIDE	2551	2477	2.96
BROMOMETHANE/CHLOROETHANE*	9	10	8.04
FLUOROTRICHLOROMETHANE	4.31	4.45	3.16
1,1 DICHLOROETHYLENE	4.31	5.17	16.60
METHYLENE CHLORIDE	7	6	11.01
TRANS-1,2 DICHLOROETHYLENE	4.3	4.7	8.56
1,1 DICHLOROETHANE	4.30	4.57	5.86
CHLOROFORM	4.31	4.60	6.38
1,1,1 TRICHLOROETHANE	4.32	4.54	4.83
CARBON TETRACHLORIDE	4.31	4.46	3.39
BENZENE & 1,2-DCA**	7.7	7.6	2.08
1,2 DICHLOROETHANE	4.30	4.38	1.85
TRICHLOROETHYLENE	4.31	4.53	4.88
1,2 DICHLOROPROPANE	4.31	4.32	0.32
BROMODICHLOROMETHANE	4.31	4.55	5.31
CIS-1,3 DICHLOROPROPYLENE	4.32	4.53	4.52
TOLUENE	4.3	4.2	1.88
TRANS-1,3 DICHLOROPROPYLENE	4.32	4.37	1.14
1,1,2 TRICHLOROETHANE	4.31	4.70	8.27
TETRACHLOROETHYLENE	4.29	4.45	3.50
CHLORODIBROMOMETHANE	4.31	4.56	5.43
CHLOROBENZENE	4.3	4.1	4.03
ETHYL BENZENE	4.3	4.3	0.51
BROMOFORM	4.31	4.48	3.70
1,1,2,2 TETRACHLOROETHANE	4.31	4.52	4.72
1,3 DICHLOROBENZENE	4.3	4.4	1.23
1,4 DICHLOROBENZENE	4.3	4.1	5.26
1,2 DICHLOROBENZENE	4.3	4.2	3.00

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.
** COMPOUNDS ELUTE TOGETHER ON FID - VALUE REPRESENTS A COMBINATION OF BOTH.

10-Jul-96

ANALYST INITIALS

LAB MANAGER INITIALS

MICROSEEPS

TEI25-962586

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W63A/B403

COMPOUND	BLANK	LOWER DETECTION LIMIT
CHLOROMETHANE	ND	2
VINYL CHLORIDE	ND	3
BROMOMETHANE/CHLOROETHANE*	ND	3
FLUOROTRICHLOROMETHANE	ND	0.03
1,1 DICHLOROETHYLENE	ND	0.04
METHYLENE CHLORIDE	ND	3
TRANS-1,2 DICHLOROETHYLENE	ND	0.4
1,1 DICHLOROETHANE	ND	0.04
CHLOROFORM	ND	0.02
1,1,1 TRICHLOROETHANE	ND	0.03
CARBON TETRACHLORIDE	ND	0.03
BENZENE	ND	0.2
1,2 DICHLOROETHANE	ND	0.04
TRICHLOROETHYLENE	ND	0.03
1,2 DICHLOROPROPANE	ND	0.05
BROMODICHLOROMETHANE	ND	0.03
CIS-1,3 DICHLOROPROPYLENE	ND	0.05
TOLUENE	ND	0.2
TRANS-1,3 DICHLOROPROPYLENE	ND	0.05
1,1,2 TRICHLOROETHANE	ND	0.03
TETRACHLOROETHYLENE	ND	0.03
CHLORODIBROMOMETHANE	ND	0.04
CHLOROBENZENE	ND	0.3
ETHYL BENZENE	ND	0.3
BROMOFORM	ND	0.05
1,1,2,2 TETRACHLOROETHANE	ND	0.03
1,3 DICHLOROBENZENE	ND	0.4
1,4 DICHLOROBENZENE	ND	0.4
1,2 DICHLOROBENZENE	ND	0.4

* COMPOUNDS ELUTE TOGETHER ON ECD - VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

10-Jul-96

ANALYST INITIALS JM

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI25A-962586

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

SAMPLE NAME	PENTANE	HEXANE	HEPTANE	BENZENE	OCTANE	TOLUENE	NONANE	ETHYL BENZENE	M&P XYLENE	O-XYLENE	DECANE	TOTAL C4-C12	FILE NAME	DATE SAMPLED	DATE RECEIVED	DATE ANALYZED
SUMP9-SVE-INF	7.24	6.50	6.75	<.30	2.25	<.30	<.30	<.30	<.30	<.30	0.51	147.63	W63A409	07/08/96	07/09/96	07/09/96
SUMP9-SVE-EFF	8.07	7.16	7.34	<.30	2.33	<.30	<.30	<.30	<.30	<.30	0.39	135.06	W63A410	07/08/96	07/09/96	07/09/96
AREA3-SVE-BLDG-INF	1.73	0.96	0.77	<.30	<.30	<.30	<.30	<.30	<.30	<.30	0.30	21.26	W63A411	07/08/96	07/09/96	07/09/96
AREA3-SVE-BLDG-EFF	0.98	0.74	0.38	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	13.08	W63A412	07/08/96	07/09/96	07/09/96
AREA3-SVE-TRAIL-INF	0.36	1.56	7.71	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	103.58	W63A413	07/08/96	07/09/96	07/09/96
AREA3-SVE-TRAIL-EFF	0.22	0.86	3.96	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	70.63	W63A414	07/08/96	07/09/96	07/10/96
LDLs FOR ABOVE SAMPLES	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30				

10-Jul-96

ANALYST INITIALS JW

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI25A-962586

**** QUALITY CONTROL ****

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "L6"(LEVEL 4), "220"
REFERENCE: W63A405, W63A408

COMPOUND	KNOWN ug/L	RESULT ug/L	PERCENT DIFFERENCE
PENTANE	293.04	295.16	0.72
HEXANE	397.30	389.29	2.02
HEPTANE	2.96	2.76	6.53
BENZENE	3.78	3.76	0.51
OCTANE	3.04	2.86	6.00
TOLUENE	3.74	3.41	8.89
NONANE	3.10	2.83	8.81
ETHYL BENZENE	3.74	3.47	7.33
M&P XYLENE	7.46	7.13	4.37
O-XYLENE	3.74	3.62	3.35
DECANE	3.15	2.89	8.15

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W63A403

COMPOUND	BLANK ug/L	LOWER DETECTION LIMIT ug/L
PENTANE	ND	0.30
HEXANE	ND	0.30
HEPTANE	ND	0.30
BENZENE	ND	0.30
OCTANE	ND	0.30
TOLUENE	ND	0.30
NONANE	ND	0.30
ETHYL BENZENE	ND	0.30
M&P XYLENE	ND	0.30
O-XYLENE	ND	0.30
DECANE	ND	0.30

10-Jul-96

ANALYST INITIALS

LAB MANAGER INITIALS

TEI 25-962566

MICROSEEPS, Inc.

220 William Pitt Way, Pittsburgh, PA 15238

Phone: (412) 826-5245 Fax: (412) 826-3433

CHAIN-OF-CUSTODY RECORD

Company Name: TRIAD ENGINEERING, INC.
Address: 325 East Chicago ST. Milw, WI. 53209
Proj. Manager: ROSS Creighton
Proj. Location: CHRYSLER
Proj. Number: 963890.D
Phone # : (414) 291-8840 Fax # : (414) 291-8841
Sampler's signature : Alan Kolberg

Note: Enter proper letters in Requested Analyses columns below.
Note: If analysis D,E,or K is selected, scratch (option) NOT wanted.

Analysis Options

* A	C1 -C4	G	Chlorinated HC
* B	Hydrogen & Helium	H	BTEX
* C	Permanent Gases (CH4, CO, CO2, N2, O2)	J	BTEX & C5 - C10
D	Mercury (Soil) or (Air **)	K	TPH [redacted] or (C4 -C12)
E	TO-14 by GC/MS (Ambient) or (Source **)	L	C11 - C18
F	601 & 602 Compounds	Other	Specify below.

* An additional 22 ml vial of sample is required when requested in combination with another analysis.

** Available upon request.

Collection Date	Collection Time	Number of Containers	"Summa" # if Can. used	Sample Type	Sample Identification	Requested Analyses					(Other)	Remarks
7-8-96	1320	2		AIR	SUMP 9 SVE-INF		F	J	K			
7-8-96	1326	2		AIR	SUMP 8 SVE-EFF		F	J	K			
7-8-96	1335	2		AIR	AREA 3 SVE-BLDG-INF		F	J	K			
7-8-96	1342	2		AIR	AREA 3 SVE BLDG-EFF		F	J	K			
7-8-96	1350	2		AIR	AREA 3-SVE TRAILER-INF		F	J	K			
7-8-96	1400	2		AIR	AREA 3-SVE TRAILER-EFF		F	J	K			
												please report samples in micrograms per L. (ug/L)

Results to : ROSS Creighton

Invoice to :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Alan Kolberg	TRIAD	7-8-96	1609	J. Williams	MICROSEEPS	7/9/96	1030
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Laboratory to return. YELLOW COPY : Laboratory PINK COPY : Submitter

MICROSEEPS

University of Pittsburgh Applied Research Center
220 William Pitt Way, Pittsburgh, PA 15238
(412) 826-5245
FAX (412) 826-3433

June 12, 1996

Mr. Ross Creighton
Triad Engineering, Inc.
325 E. Chicago Street
Milwaukee, WI 53202

Dear Mr. Creighton:

Attached is the final data listing for the samples we received on June 5, 1996, your project #W963890.D.

Please give me call if you have questions or I can be of further assistance. Thank you for using MICROSEEPS.

Sincerely,

David J. Masdea

DJM/lsp

Attachment: TEI24-962466

MICROSEEPS

ANALYSIS OF VOLATILE ORGANICS IN GAS SAMPLES

Gas samples are received and secured in accordance with Microseeps documented sample receipt procedures. Analyses are performed using Microseeps Analytical Method AM4.03. Analytical method AM4.03 is a modification of USEPA Method 3810 (Headspace) and 8000 (Gas Chromatography). Modifications implemented are to accommodate the gas phase sample type only. All applicable quality control procedures are followed including continuing calibration check standards and laboratory blanks. Microseeps Analytical Method AM4.03 will be supplied upon request.

220 William Pitt Way, Pittsburgh, PA 15238 • Phone (412) 826-5245, Fax (412) 826-3433

MICROSEEPS

TEI24-962466

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID SUMP9-SVE -INFLUENT	SAMPLE ID SUMP9-SVE -EFFLUENT	SAMPLE ID AREA3-BLDG -INFLUENT	SAMPLE ID AREA3-BLDG -EFFLUENT	LDLs
CHLOROMETHANE	<2	<2	<2	<2	2
VINYL CHLORIDE	<3	<3	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	0.7	0.8	<.4	<.4	0.4
1,1 DICHLOROETHANE	0.28	0.33	<.04	<.04	0.04
CHLOROFORM	<.02	<.02	<.02	<.02	0.02
1,1,1 TRICHLOROETHANE	0.06	0.08	0.06	0.03	0.03
CARBON TETRACHLORIDE	<.03	<.03	<.03	<.03	0.03
BENZENE	<.2	<.2	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	<.04	<.04	0.04
TRICHLOROETHYLENE	<.03	<.03	0.03	0.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
TOLUENE	<.2	<.2	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	<.3	<.3	0.3
BROMOFORM	<.05	<.05	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
FILE NAME	W63 53	W63 54	W63 55	W63 56	
DATE SAMPLED	06/04/96	06/04/96	06/04/96	06/04/96	
DATE RECEIVED	06/05/96	06/05/96	06/05/96	06/05/96	
DATE ANALYZED	06/05/96	06/06/96	06/06/96	06/06/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

10-Jun-96

ANALYST INITIALS

LAB MANAGER INITIALS

MICROSEEPS

TEI24-962466

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER MAIN PLANT, KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID AREA3-TRAILER -INFLUENT	SAMPLE ID AREA3-TRAILER -EFFLUENT	LDLs
CHLOROMETHANE	<2	<2	2
VINYL CHLORIDE	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	0.8	<.4	0.4
1,1 DICHLOROETHANE	0.56	<.04	0.04
CHLOROFORM	<.02	<.02	0.02
1,1,1 TRICHLOROETHANE	<.03	<.03	0.03
CARBON TETRACHLORIDE	<.03	<.03	0.03
BENZENE	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	0.04
TRICHLOROETHYLENE	<.03	<.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
TOLUENE	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	0.3
BROMOFORM	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	0.4
FILE NAME	W63 57	W63 58	
DATE SAMPLED	06/04/96	06/04/96	
DATE RECEIVED	06/05/96	06/05/96	
DATE ANALYZED	06/06/96	06/06/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

10-Jun-96

ANALYST INITIALS

LAB MANAGER INITIALS

MICROSEEPS

TEI24-962466

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "624"(LEVEL 2), "624"(LEVEL 1), "VC-996"
REFERENCE: W63A/B46, W63B47, W63A48

COMPOUND	KNOWN	RESULT	PERCENT DIFFERENCE
CHLOROMETHANE	43	45	5.28
VINYL CHLORIDE	2551	2506	1.79
BROMOMETHANE/CHLOROETHANE*	9	10	9.27
FLUOROTRICHLOROMETHANE	4.31	4.57	5.67
1,1 DICHLOROETHYLENE	4.31	4.64	7.03
METHYLENE CHLORIDE	7	8	14.36
TRANS-1,2 DICHLOROETHYLENE	4.3	4.7	7.16
1,1 DICHLOROETHANE	4.30	4.71	8.70
CHLOROFORM	4.31	4.61	6.57
1,1,1 TRICHLOROETHANE	4.32	4.66	7.29
CARBON TETRACHLORIDE	4.31	4.57	5.66
BENZENE & 1,2-DCA**	7.7	8.0	3.95
1,2 DICHLOROETHANE	4.30	4.79	10.25
TRICHLOROETHYLENE	4.31	4.66	7.62
1,2 DICHLOROPROPANE	4.31	4.88	11.76
BROMODICHLOROMETHANE	4.31	4.72	8.68
CIS-1,3 DICHLOROPROPYLENE	4.32	4.79	9.78
TOLUENE	4.3	4.3	0.44
TRANS-1,3 DICHLOROPROPYLENE	4.32	4.87	11.21
1,1,2 TRICHLOROETHANE	4.31	4.70	8.37
TETRACHLOROETHYLENE	4.29	4.60	6.76
CHLORODIBROMOMETHANE	4.31	4.74	9.01
CHLOROBENZENE	4.3	4.5	5.20
ETHYL BENZENE	4.3	4.4	2.75
BROMOFORM	4.31	4.83	10.73
1,1,2,2 TETRACHLOROETHANE	4.31	4.74	9.14
1,3 DICHLOROBENZENE	4.3	4.3	1.41
1,4 DICHLOROBENZENE	4.3	3.9	11.28
1,2 DICHLOROBENZENE	4.3	4.1	5.73

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.
** COMPOUNDS ELUTE TOGETHER ON FID - VALUE REPRESENTS A COMBINATION OF BOTH.

10-Jun-96

ANALYST INITIALS JM

LAB MANAGER INITIALS DOM

MICROSEEPS

TE124-962466

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W63A/B52

COMPOUND	BLANK	LOWER DETECTION LIMIT
CHLOROMETHANE	ND	2
VINYL CHLORIDE	ND	3
BROMOMETHANE/CHLOROETHANE*	ND	3
FLUOROTRICHLOROMETHANE	ND	0.03
1,1 DICHLOROETHYLENE	ND	0.04
METHYLENE CHLORIDE	ND	3
TRANS-1,2 DICHLOROETHYLENE	ND	0.4
1,1 DICHLOROETHANE	ND	0.04
CHLOROFORM	ND	0.02
1,1,1 TRICHLOROETHANE	ND	0.03
CARBON TETRACHLORIDE	ND	0.03
BENZENE	ND	0.2
1,2 DICHLOROETHANE	ND	0.04
TRICHLOROETHYLENE	ND	0.03
1,2 DICHLOROPROPANE	ND	0.05
BROMODICHLOROMETHANE	ND	0.03
CIS-1,3 DICHLOROPROPYLENE	ND	0.05
TOLUENE	ND	0.2
TRANS-1,3 DICHLOROPROPYLENE	ND	0.05
1,1,2 TRICHLOROETHANE	ND	0.03
TETRACHLOROETHYLENE	ND	0.03
CHLORODIBROMOMETHANE	ND	0.04
CHLOROBENZENE	ND	0.3
ETHYL BENZENE	ND	0.3
BROMOFORM	ND	0.05
1,1,2,2 TETRACHLOROETHANE	ND	0.03
1,3 DICHLOROBENZENE	ND	0.4
1,4 DICHLOROBENZENE	ND	0.4
1,2 DICHLOROBENZENE	ND	0.4

* COMPOUNDS ELUTE TOGETHER ON ECD - VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

10-Jun-96

ANALYST INITIALS

LAB MANAGER INITIALS DOM

MICROSEEPS

TE124A-962466

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

SAMPLE NAME	PENTANE	HEXANE	HEPTANE	BENZENE	OCTANE	TOLUENE	NONANE	ETHYL BENZENE	M&P XYLENE	O-XYLENE	DECANE	TOTAL C4-C12	FILE NAME	DATE SAMPLED	DATE RECEIVED	DATE ANALYZED
SUMP9-SVE-INF	3.43	4.23	2.74	<.30	1.41	<.30	<.30	<.30	<.30	<.30	<.30	79.23	W63A53	06/04/96	06/05/96	06/05/96
SUMP9-SVE-EFF	3.54	4.66	4.71	<.30	0.90	<.30	<.30	<.30	<.30	<.30	<.30	79.28	W63A54	06/04/96	06/05/96	06/06/96
AREA3-BLDG-INF	0.54	0.47	0.58	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	12.84	W63A55	06/04/96	06/05/96	06/06/96
AREA3-BLDG-EFF	0.31	0.36	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	4.96	W63A56	06/04/96	06/05/96	06/06/96
AREA3-TRAIL-INF	0.50	3.13	11.97	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	132.00	W63A57	06/04/96	06/05/96	06/06/96
AREA3-TRAIL-EFF	<.30	<.30	0.44	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	7.89	W63A58	06/04/96	06/05/96	06/06/96
LDLs FOR ABOVE SAMPLES	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30				

10-Jun-96

ANALYST INITIALS

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI24A-962466

**** QUALITY CONTROL ****

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "L6"(LEVEL 4), "220"
REFERENCE: W63A45, W63A49

COMPOUND	KNOWN ug/L	RESULT ug/L	PERCENT DIFFERENCE
PENTANE	293.04	295.88	0.97
HEXANE	397.30	394.22	0.77
HEPTANE	2.96	2.85	3.61
BENZENE	3.78	3.84	1.53
OCTANE	3.04	2.87	5.54
TOLUENE	3.74	3.43	8.18
NONANE	3.10	3.04	2.03
ETHYL BENZENE	3.74	3.62	3.26
M&P XYLENE	7.46	7.51	0.76
O-XYLENE	3.74	3.67	1.95
DECANE	3.15	3.02	4.07

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W63A52

COMPOUND	BLANK ug/L	LOWER DETECTION LIMIT ug/L
PENTANE	ND	0.30
HEXANE	ND	0.30
HEPTANE	ND	0.30
BENZENE	ND	0.30
OCTANE	ND	0.30
TOLUENE	ND	0.30
NONANE	ND	0.30
ETHYL BENZENE	ND	0.30
M&P XYLENE	ND	0.30
O-XYLENE	ND	0.30
DECANE	ND	0.30

10-Jun-96

ANALYST INITIALS

LAB MANAGER INITIALS DMM

ILL 24-962466

MICROSEEPS, Inc.

220 William Pitt Way, Pittsburgh, PA 15238

Phone: (412) 826-5245 Fax: (412) 826-3433

CHAIN-OF-CUSTODY RECORD

Company Name: TRIAD Engineering, Inc

Address: 325 E. Chicago STREET, Milw., WI 53202

Proj. Manager: Ross CReighton

Proj. Location: CHRYSLER

Proj. Number: 963890.D

Phone # : (414) 291-8840 Fax # : (414) 291-8841

Sampler's signature : Alan Kolberg

Note: Enter proper letters in Requested Analyses columns below.

Note: If analysis D,E,or K is selected, scratch (option) NOT wanted.

Analysis Options

* A	C1 -C4	G	Chlorinated HC
* B	Hydrogen & Helium	H	BTEX
* C	Permanent Gases (CH4, CO, CO2, N2, O2)	J	BTEX & C5 - C10
D	Mercury (Soil) or (Air **)	K	TPH (~~C5-C10~~) or (C4 -C12)
E	TO-14 by GC/MS (Ambient) or (Source **)	L	C11 - C18
F	601 & 602 Compounds	Other	Specify below.

* An additional 22 ml vial of sample is required when requested in combination with another analysis.

** Available upon request.

Collection Date	Collection Time	Number of Containers	"Summa" # if Can. used	Sample Type	Sample Identification	Requested Analyses					(Other)	Remarks
6-4-96	1510	2		air	Sump 9-SVE-Influent	F	J	K				
6-4-96	1515	2		AIR	Sump 9-SVE-Effluent	F	J	K				
6-4-96	1520	2		AIR	AREA3-Bldg-Influent	F	J	K				
6-4-96	1525	2		AIR	AREA3-Bldg-Effluent	F	J	K				
6-4-96	1530	2		AIR	AREA3-Trailer-Inf.	F	J	K				
6-4-96	1535	2		AIR	AREA3-TRAILER-Eff	F	J	K				

Results to : Ross Creighton

Invoice to :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Alan Kolberg	TRIAD	6-4-96	1739	J.C. Williams	MICROSEEPS	6/5/96	1015
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Laboratory to return. YELLOW COPY : Laboratory PINK COPY : Submitter

MICROSEEPS

University of Pittsburgh Applied Research Center
220 William Pitt Way, Pittsburgh, PA 15238
(412) 826-5245
FAX (412) 826-3433

May 17, 1996

Mr. Ross Creighton
Triad Engineering, Inc.
325 E. Chicago Street
Milwaukee, WI 53202

Dear Mr. Creighton:

Attached is the final data listing for the samples we received on May 13, 1996, your project #W963890.D.

Please give me call if you have questions or I can be of further assistance. Thank you for using MICROSEEPS.

Sincerely,

David J. Masdea

DJM/lsp

Attachment: TEI23-962384

MICROSEEPS

ANALYSIS OF VOLATILE ORGANICS IN GAS SAMPLES

Gas samples are received and secured in accordance with Microseeps documented sample receipt procedures. Analyses are performed using Microseeps Analytical Method AM4.03. Analytical method AM4.03 is a modification of USEPA Method 3810 (Headspace) and 8000 (Gas Chromatography). Modifications implemented are to accommodate the gas phase sample type only. All applicable quality control procedures are followed including continuing calibration check standards and laboratory blanks. Microseeps Analytical Method AM4.03 will be supplied upon request.

220 William Pitt Way, Pittsburgh, PA 15238 • Phone (412) 826-5245, Fax (412) 826-3433

MICROSEEPS

TEI23-962384

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID AREA3-BLDG-EFF	SAMPLE ID AREA3-BLDG-INF	SAMPLE ID SVE-TRAILER-EFF	SAMPLE ID SVE-TRAILER-INF	LDLs
CHLOROMETHANE	<2	<2	<2	<2	2
VINYL CHLORIDE	<3	<3	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	0.9	1.4	0.6	1.9	0.4
1,1 DICHLOROETHANE	0.21	0.57	0.24	2.18	0.04
CHLOROFORM	<.02	<.02	<.02	<.02	0.02
1,1,1 TRICHLOROETHANE	0.03	0.04	<.03	<.03	0.03
CARBON TETRACHLORIDE	<.03	<.03	<.03	<.03	0.03
BENZENE	<.2	0.7	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	<.04	<.04	0.04
TRICHLOROETHYLENE	0.15	0.25	<.03	<.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
TOLUENE	<.2	<.2	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	<.3	<.3	0.3
BROMOFORM	<.05	<.05	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
FILE NAME	W62 128	W62 129	W62 130	W62 131	
DATE SAMPLED	05/10/96	05/10/96	05/10/96	05/10/96	
DATE RECEIVED	05/13/96	05/13/96	05/13/96	05/13/96	
DATE ANALYZED	05/13/96	05/13/96	05/13/96	05/13/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

14-May-96

ANALYST INITIALS

LAB MANAGER INITIALS

MICROSEEPS

TEI23-962384

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER MAIN PLANT, KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID SVE-SUMP9-EFF	SAMPLE ID SVE-SUMP9-INF	LDLs
CHLOROMETHANE	<2	<2	2
VINYL CHLORIDE	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	1.0	1.1	0.4
1,1 DICHLOROETHANE	0.39	0.40	0.04
CHLOROFORM	<.02	<.02	0.02
1,1,1 TRICHLOROETHANE	0.04	0.04	0.03
CARBON TETRACHLORIDE	<.03	<.03	0.03
BENZENE	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	0.04
TRICHLOROETHYLENE	<.03	<.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
TOLUENE	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	0.3
BROMOFORM	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	0.4
FILE NAME	W62 132	W62 133	
DATE SAMPLED	05/10/96	05/10/96	
DATE RECEIVED	05/13/96	05/13/96	
DATE ANALYZED	05/13/96	05/13/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

14-May-96

ANALYST INITIALS

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI23-962384

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "624"(LEVEL 2), "624"(LEVEL 1), "VC-996"
REFERENCE: W62A/B123, W62B124, W62A126

COMPOUND	KNOWN	RESULT	PERCENT DIFFERENCE
CHLOROMETHANE	43	47	7.54
VINYL CHLORIDE	2551	2544	0.26
BROMOMETHANE/CHLOROETHANE*	9	10	12.68
FLUOROTRICHLOROMETHANE	4.31	4.70	8.38
1,1 DICHLOROETHYLENE	4.31	4.68	7.82
METHYLENE CHLORIDE	7	7	1.35
TRANS-1,2 DICHLOROETHYLENE	4.3	4.9	12.17
1,1 DICHLOROETHANE	4.30	4.88	11.89
CHLOROFORM	4.31	4.74	8.99
1,1,1 TRICHLOROETHANE	4.32	4.75	8.90
CARBON TETRACHLORIDE	4.31	4.63	6.81
BENZENE & 1,2-DCA**	7.7	7.9	2.31
1,2 DICHLOROETHANE	4.30	4.55	5.44
TRICHLOROETHYLENE	4.31	4.77	9.71
1,2 DICHLOROPROPANE	4.31	4.30	0.11
BROMODICHLOROMETHANE	4.31	4.77	9.58
CIS-1,3 DICHLOROPROPYLENE	4.32	4.58	5.57
TOLUENE	4.3	4.4	1.21
TRANS-1,3 DICHLOROPROPYLENE	4.32	4.53	4.52
1,1,2 TRICHLOROETHANE	4.31	4.98	13.41
TETRACHLOROETHYLENE	4.29	4.63	7.31
CHLORODIBROMOMETHANE	4.31	4.78	9.82
CHLOROBENZENE	4.3	4.4	1.80
ETHYL BENZENE	4.3	4.3	0.10
BROMOFORM	4.31	4.74	9.17
1,1,2,2 TETRACHLOROETHANE	4.31	4.76	9.54
1,3 DICHLOROBENZENE	4.3	3.9	10.09
1,4 DICHLOROBENZENE	4.3	4.2	3.60
1,2 DICHLOROBENZENE	4.3	4.3	1.84

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.
** COMPOUNDS ELUTE TOGETHER ON FID - VALUE REPRESENTS A COMBINATION OF BOTH.

14-May-96

ANALYST INITIALS

LAB MANAGER INITIALS

MICROSEEPS

TE123-962384

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W62A/B122

COMPOUND	BLANK	LOWER DETECTION LIMIT
CHLOROMETHANE	ND	2
VINYL CHLORIDE	ND	3
BROMOMETHANE/CHLOROETHANE*	ND	3
FLUOROTRICHLOROMETHANE	ND	0.03
1,1 DICHLOROETHYLENE	ND	0.04
METHYLENE CHLORIDE	ND	3
TRANS-1,2 DICHLOROETHYLENE	ND	0.4
1,1 DICHLOROETHANE	ND	0.04
CHLOROFORM	ND	0.02
1,1,1 TRICHLOROETHANE	ND	0.03
CARBON TETRACHLORIDE	ND	0.03
BENZENE	ND	0.2
1,2 DICHLOROETHANE	ND	0.04
TRICHLOROETHYLENE	ND	0.03
1,2 DICHLOROPROPANE	ND	0.05
BROMODICHLOROMETHANE	ND	0.03
CIS-1,3 DICHLOROPROPYLENE	ND	0.05
TOLUENE	ND	0.2
TRANS-1,3 DICHLOROPROPYLENE	ND	0.05
1,1,2 TRICHLOROETHANE	ND	0.03
TETRACHLOROETHYLENE	ND	0.03
CHLORODIBROMOMETHANE	ND	0.04
CHLOROBENZENE	ND	0.3
ETHYL BENZENE	ND	0.3
BROMOFORM	ND	0.05
1,1,2,2 TETRACHLOROETHANE	ND	0.03
1,3 DICHLOROBENZENE	ND	0.4
1,4 DICHLOROBENZENE	ND	0.4
1,2 DICHLOROBENZENE	ND	0.4

* COMPOUNDS ELUTE TOGETHER ON ECD - VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

14-May-96

ANALYST INITIALS

LAB MANAGER INITIALS

MICROSEEPS

TEI23A-962384

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

SAMPLE NAME	PENTANE	HEXANE	HEPTANE	BENZENE	OCTANE	TOLUENE	NONANE	ETHYL BENZENE	M&P XYLENE	O-XYLENE	DECANE	TOTAL C4-C12	FILE NAME	DATE SAMPLED	DATE RECEIVED	DATE ANALYZED
A3-BLDG-EFF	7.21	3.54	2.02	<.30	0.47	<.30	<.30	<.30	<.30	<.30	<.30	69.79	W62A128	05/10/96	05/13/96	05/13/96
A3-BLDG-INF	23.88	11.15	6.08	0.67	1.62	<.30	<.30	<.30	<.30	<.30	<.30	235.43	W62A129	05/10/96	05/13/96	05/13/96
SVE-TRAIL-EFF	0.24	1.05	3.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	46.67	W62A130	05/10/96	05/13/96	05/13/96
SVE-TRAIL-INF	5.62	27.18	72.33	<.30	<.30	<.30	<.30	<.30	<.30	1.07	<.30	1108.60	W62A131	05/10/96	05/13/96	05/13/96
SVE-SUMP9-EFF	4.25	3.19	3.45	<.30	1.14	<.30	<.30	<.30	<.30	<.30	<.30	62.00	W62A132	05/10/96	05/13/96	05/13/96
SVE-SUMP9-INF	4.01	2.97	3.15	<.30	1.06	<.30	<.30	<.30	<.30	<.30	<.30	58.26	W62A133	05/10/96	05/13/96	05/13/96
LDLs FOR ABOVE SAMPLES	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30				

14-May-96

ANALYST INITIALS

LAB MANAGER INITIALS DM

MICROSEEPS

TEI23A-962384

**** QUALITY CONTROL ****

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "L6"(LEVEL 4), "220"
REFERENCE: W62A125, W62A127

COMPOUND	KNOWN ug/L	RESULT ug/L	PERCENT DIFFERENCE
PENTANE	293.04	297.97	1.68
HEXANE	397.30	393.73	0.90
HEPTANE	2.96	3.01	1.94
BENZENE	3.78	4.09	8.22
OCTANE	3.04	3.17	4.15
TOLUENE	3.74	3.78	1.11
NONANE	3.10	3.10	0.00
ETHYL BENZENE	3.74	3.70	1.05
M&P XYLENE	7.46	7.60	1.87
O-XYLENE	3.74	3.87	3.51
DECANE	3.15	3.03	3.70

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W62A122

COMPOUND	BLANK ug/L	LOWER DETECTION LIMIT ug/L
PENTANE	ND	0.30
HEXANE	ND	0.30
HEPTANE	ND	0.30
BENZENE	ND	0.30
OCTANE	ND	0.30
TOLUENE	ND	0.30
NONANE	ND	0.30
ETHYL BENZENE	ND	0.30
M&P XYLENE	ND	0.30
O-XYLENE	ND	0.30
DECANE	ND	0.30

14-May-96

ANALYST INITIALS

LAB MANAGER INITIALS DMM

MICROSEEPS, Inc.

220 William Pitt Way, Pittsburgh, PA 15238

Phone: (412) 826-5245 Fax: (412) 826-3433

CHAIN-OF-CUSTODY RECORD

Company Name: TRIAD Engineering

Address: 325 E. Chicago St. Milw. WI 53202

Proj. Manager: ROSS CREIGHTON

Proj. Location: CHR Yard

Proj. Number: 963840.D

Phone # : (414) 291-8840 Fax # : (414) 291-8841

Sampler's signature : Ross Creighton

Note: Enter proper letters in Requested Analyses columns below.

Note: If analysis D,E,or K is selected, scratch (option) NOT wanted.

Analysis Options

* A	C1 -C4	G	Chlorinated HC
* B	Hydrogen & Helium	H	BTEX
* C	Permanent Gases (CH4, CO, CO2, N2, O2)	J	BTEX & C5 - C10
D	Mercury (Soil) or (Air **)	K	TPH ~~(C5 - C10)~~ or (C4 -C12)
E	TO-14 by GC/MS (Ambient) or (Source **)	L	C11 - C18
F	601 & 602 Compounds	Other	Specify below.

* An additional 22 ml vial of sample is required when requested in combination with another analysis.

** Available upon request.

Collection Date	Collection Time	Number of Containers	"Summa" # if Can. used	Sample Type	Sample Identification	Requested Analyses					(Other)	Remarks
5-10-96	1415	2		AIR	AREA3-BKG-1.0F	F	J	K				
5-10-96	1420	2		AIR	AREA3-BKG-EFF	F	J	K				
5-10-96	1425	2		AIR	SVE-PROBE-1.0F	F	J	K				
5-10-96	1430	2		AIR	SVE-TRAILER-EFF	F	J	K				
5-10-96	1440	2		AIR	SVE-SUMP9-1.0F	F	J	K				
5-10-96	1445	2		AIR	SVE-SUMP9-EFF	F	J	K				
												Report results in micrograms per Liter

Results to : ROSS CREIGHTON

Invoice to :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Ross Creighton	TRIAD	5-10-96	1830	[signature]	MICROSEEPS	5-13-96	1030
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Laboratory to return YELLOW COPY : Laboratory PINK COPY : Submitter

MICROSEEPS, Inc.

220 William Pitt Way, Pittsburgh, PA 15238

Phone: (412) 826-5245 Fax: (412) 826-3433

CHAIN-OF-CUSTODY RECORD

Note: Enter proper letters in Requested Analyses columns below.

Note: If analysis D,E,or K is selected, scratch (option) NOT wanted.

Company Name: Trian Engineering

Address: 3259 Chicago St, Milw, WI 53202

Proj. Manager: Ross Creighton

Proj. Location: Chrysler

Proj. Number: 963990.10

Phone #: (414) 291-8840 Fax #: (414) 291-8841

Sampler's signature: [signature]

Analysis Options

* A	C1 -C4	G	Chlorinated HC
* B	Hydrogen & Helium	H	BTEX
* C	Permanent Gases (CH4, CO, CO2, N2, O2)	J	BTEX & C5 - C10
D	Mercury (Soil) or (Air **)	K	TPH ~~(C5 - C10)~~ or (C4 -C12)
E	TO-14 by GC/MS (Ambient) or (Source **)	L	C11 - C18
F	601 & 602 Compounds	Other	Specify below.

* An additional 22 ml vial of sample is required when requested in combination with another analysis.

** Available upon request.

Collection Date	Time	Number of Containers	"Summa" # if Can. used	Sample Type	Sample Identification	Requested Analyses				(Other)	Remarks
5-10-96	1415	2		AIR	Breez 3-Flo-INF	F	J	K			
5-10-96	1420	2		AIR	Breez 3-Blu-EFF	F	J	K			
5-10-96	1425	2		AIR	SVE-Trailer-INF	F	J	K			
5-10-96	1430	2		AIR	SVE-Trailer-EFF	F	J	K			
5-10-96	1440	2		AIR	SVE-Swing-INF	F	J	K			
5-10-96	1445	2		AIR	SVE-Swing-EFF	F	J	K			
											Report results in micrograms per Liter

Results to: Ross Creighton

Invoice to:

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
[signature]	Trian	5-10-96	1530				
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

WHITE COPY : Laboratory to return. YELLOW COPY : Laboratory PINK COPY : Submitter

MICROSEEPS

University of Pittsburgh Applied Research Center
220 William Pitt Way, Pittsburgh, PA 15238
(412) 826-5245
FAX (412) 826-3433

April 15, 1996

Mr. Ross Creighton
Triad Engineering, Inc.
325 E. Chicago Street
Milwaukee, WI 53202

Dear Mr. Creighton:

Attached is the final data listing for the samples we received on April 9, 1996, your project #W963890.D.

Please give me call if you have questions or I can be of further assistance. Thank you for using MICROSEEPS.

Sincerely,

David J. Masdea

DJM/lsp

Attachment: TEI22-962293

MICROSEEPS

ANALYSIS OF VOLATILE ORGANICS IN GAS SAMPLES

Gas samples are received and secured in accordance with Microseeps documented sample receipt procedures. Analyses are performed using Microseeps Analytical Method AM4.03. Analytical method AM4.03 is a modification of USEPA Method 3810 (Headspace) and 8000 (Gas Chromatography). Modifications implemented are to accommodate the gas phase sample type only. All applicable quality control procedures are followed including continuing calibration check standards and laboratory blanks. Microseeps Analytical Method AM4.03 will be supplied upon request.

220 William Pitt Way, Pittsburgh, PA 15238 • Phone (412) 826-5245, Fax (412) 826-3433

MICROSEEPS

TEI22-962293

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID AREA3-BLDG-EFF	SAMPLE ID AREA3-BLDG-INF	SAMPLE ID AREA3-TRAILER-EFF	SAMPLE ID AREA3-TRAILER-INF	LDLs
CHLOROMETHANE	<2	<2	<2	<2	2
VINYL CHLORIDE	<3	<3	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	1.1	1.3	1.1	1.9	0.4
1,1 DICHLOROETHANE	0.25	0.36	0.60	4.08	0.04
CHLOROFORM	<.02	<.02	<.02	<.02	0.02
1,1,1 TRICHLOROETHANE	0.10	0.14	<.03	0.03	0.03
CARBON TETRACHLORIDE	<.03	<.03	<.03	<.03	0.03
BENZENE	<.2	<.2	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	<.04	<.04	0.04
TRICHLOROETHYLENE	0.19	0.23	<.03	0.05	0.03
1,2 DICHLOROPROPANE	<.05	<.05	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
TOLUENE	<.2	<.2	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	<.3	<.3	0.3
BROMOFORM	<.05	<.05	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	<.4	<.4	0.4
FILE NAME	W61 238	W61 239	W61 240	W61 241	
DATE SAMPLED	04/08/96	04/08/96	04/08/96	04/08/96	
DATE RECEIVED	04/09/96	04/09/96	04/09/96	04/09/96	
DATE ANALYZED	04/10/96	04/10/96	04/10/96	04/10/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

12-Apr-96

ANALYST INITIALS 

LAB MANAGER INITIALS DM

TE122-962293

----- TRIAD ENGINEERING INC. ----

----- PROJECT LOC: CHRYSLER MAIN PLANT, KENOSHA, WI. -----

----- PROJECT NO: W963890.D -----

----- 601/602 SCAN -----

----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

COMPOUND NAME	SAMPLE ID SUMP9-SVE-EFF	SAMPLE ID SUMP9-SVE-INF	LDLs
CHLOROMETHANE	<2	<2	2
VINYL CHLORIDE	<3	<3	3
BROMOMETHANE/CHLOROETHANE*	<3	<3	3
FLUOROTRICHLOROMETHANE	<.03	<.03	0.03
1,1 DICHLOROETHYLENE	<.04	<.04	0.04
METHYLENE CHLORIDE	<3	<3	3
TRANS-1,2 DICHLOROETHYLENE	1.5	1.3	0.4
1,1 DICHLOROETHANE	0.65	0.58	0.04
CHLOROFORM	<.02	<.02	0.02
1,1,1 TRICHLOROETHANE	0.03	<.03	0.03
CARBON TETRACHLORIDE	<.03	<.03	0.03
BENZENE	<.2	<.2	0.2
1,2 DICHLOROETHANE	<.04	<.04	0.04
TRICHLOROETHYLENE	<.03	<.03	0.03
1,2 DICHLOROPROPANE	<.05	<.05	0.05
BROMODICHLOROMETHANE	<.03	<.03	0.03
CIS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
TOLUENE	<.2	<.2	0.2
TRANS-1,3 DICHLOROPROPYLENE	<.05	<.05	0.05
1,1,2 TRICHLOROETHANE	<.03	<.03	0.03
TETRACHLOROETHYLENE	<.03	<.03	0.03
CHLORODIBROMOMETHANE	<.04	<.04	0.04
CHLOROBENZENE	<.3	<.3	0.3
ETHYL BENZENE	<.3	<.3	0.3
BROMOFORM	<.05	<.05	0.05
1,1,2,2 TETRACHLOROETHANE	<.03	<.03	0.03
1,3 DICHLOROBENZENE	<.4	<.4	0.4
1,4 DICHLOROBENZENE	<.4	<.4	0.4
1,2 DICHLOROBENZENE	<.4	<.4	0.4
FILE NAME	W61 242	W61 243	
DATE SAMPLED	04/08/96	04/08/96	
DATE RECEIVED	04/09/96	04/09/96	
DATE ANALYZED	04/10/96	04/10/96	

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

12-Apr-96

ANALYST INITIALS

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI22-962293

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W61A/B233

COMPOUND	BLANK	LOWER DETECTION LIMIT
CHLOROMETHANE	ND	2
VINYL CHLORIDE	ND	3
BROMOMETHANE/CHLOROETHANE*	ND	3
FLUOROTRICHLOROMETHANE	ND	0.03
1,1 DICHLOROETHYLENE	ND	0.04
METHYLENE CHLORIDE	ND	3
TRANS-1,2 DICHLOROETHYLENE	ND	0.4
1,1 DICHLOROETHANE	ND	0.04
CHLOROFORM	ND	0.02
1,1,1 TRICHLOROETHANE	ND	0.03
CARBON TETRACHLORIDE	ND	0.03
BENZENE	ND	0.2
1,2 DICHLOROETHANE	ND	0.04
TRICHLOROETHYLENE	ND	0.03
1,2 DICHLOROPROPANE	ND	0.05
BROMODICHLOROMETHANE	ND	0.03
CIS-1,3 DICHLOROPROPYLENE	ND	0.05
TOLUENE	ND	0.2
TRANS-1,3 DICHLOROPROPYLENE	ND	0.05
1,1,2 TRICHLOROETHANE	ND	0.03
TETRACHLOROETHYLENE	ND	0.03
CHLORODIBROMOMETHANE	ND	0.04
CHLOROBENZENE	ND	0.3
ETHYL BENZENE	ND	0.3
BROMOFORM	ND	0.05
1,1,2,2 TETRACHLOROETHANE	ND	0.03
1,3 DICHLOROBENZENE	ND	0.4
1,4 DICHLOROBENZENE	ND	0.4
1,2 DICHLOROBENZENE	ND	0.4

* COMPOUNDS ELUTE TOGETHER ON ECD - VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.

12-Apr-96

ANALYST INITIALS JAH

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI22-962293

**** QUALITY CONTROL ****
----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- 601/602 SCAN -----
----- CONCENTRATIONS IN ug/l OF SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "624"(LEVEL 2), "624"(LEVEL 1), "VC-996"
REFERENCE: W61A/B235, W61B236, W61A237

COMPOUND	KNOWN	RESULT	PERCENT DIFFERENCE
CHLOROMETHANE	43	45	4.36
VINYL CHLORIDE	2551	2498	2.11
BROMOMETHANE/CHLOROETHANE*	9	10	9.00
FLUOROTRICHLOROMETHANE	4.31	4.50	4.38
1,1 DICHLOROETHYLENE	4.31	4.84	10.85
METHYLENE CHLORIDE	7	7	2.06
TRANS-1,2 DICHLOROETHYLENE	4.3	4.8	10.36
1,1 DICHLOROETHANE	4.30	4.73	9.01
CHLOROFORM	4.31	4.72	8.70
1,1,1 TRICHLOROETHANE	4.32	4.67	7.40
CARBON TETRACHLORIDE	4.31	4.56	5.52
BENZENE & 1,2-DCA**	7.7	7.8	0.78
1,2 DICHLOROETHANE	4.30	4.58	6.03
TRICHLOROETHYLENE	4.31	4.75	9.40
1,2 DICHLOROPROPANE	4.31	4.40	2.21
BROMODICHLOROMETHANE	4.31	4.74	9.07
CIS-1,3 DICHLOROPROPYLENE	4.32	4.83	10.55
TOLUENE	4.3	4.3	0.00
TRANS-1,3 DICHLOROPROPYLENE	4.32	4.67	7.41
1,1,2 TRICHLOROETHANE	4.31	4.97	13.31
TETRACHLOROETHYLENE	4.29	4.61	6.90
CHLORODIBROMOMETHANE	4.31	4.78	9.82
CHLOROBENZENE	4.3	4.3	0.32
ETHYL BENZENE	4.3	4.4	1.98
BROMOFORM	4.31	4.79	9.96
1,1,2,2 TETRACHLOROETHANE	4.31	4.75	9.41
1,3 DICHLOROBENZENE	4.3	4.4	0.83
1,4 DICHLOROBENZENE	4.3	4.6	6.13
1,2 DICHLOROBENZENE	4.3	4.1	5.26

* COMPOUNDS ELUTE TOGETHER ON ECD: VALUES REPRESENT EITHER OR A COMBINATION OF BOTH.
** COMPOUNDS ELUTE TOGETHER ON FID - VALUE REPRESENTS A COMBINATION OF BOTH.

12-Apr-96

ANALYST INITIALS JW

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI22A-962293

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

SAMPLE NAME	PENTANE	HEXANE	HEPTANE	BENZENE	OCTANE	TOLUENE	NONANE	ETHYL BENZENE	M&P XYLENE	O-XYLENE	DECANE	TOTAL C4-C12	FILE NAME	DATE SAMPLED	DATE RECEIVED	DATE ANALYZED
A3-BLDG-EFF	10.19	4.63	1.49	0.22	<.30	<.30	<.30	<.30	<.30	<.30	<.30	93.59	W61A238	04/08/96	04/09/96	04/10/96
A3-BLDG-INF	12.29	5.62	2.65	0.27	0.36	<.30	<.30	<.30	<.30	<.30	<.30	109.51	W61A239	04/08/96	04/09/96	04/10/96
A3-TRAIL-EFF	0.57	2.51	5.08	<.30	<.30	<.30	<.30	<.30	<.30	<.30	<.30	125.27	W61A240	04/08/96	04/09/96	04/10/96
A3-TRAIL-INF	42.50	201.28	576.53	<.30	<.30	<.30	<.30	<.30	<.30	45.60	<.30	10887.99	W61A241	04/08/96	04/09/96	04/10/96
SVE-SUMP9-EFF	8.01	6.24	7.09	<.30	1.80	<.30	<.30	<.30	<.30	<.30	<.30	121.35	W61A242	04/08/96	04/09/96	04/10/96
SVE-SUMP9-INF	5.78	4.55	4.91	<.30	1.79	<.30	0.37	<.30	<.30	<.30	<.30	85.54	W61A243	04/08/96	04/09/96	04/10/96
LDLs FOR ABOVE SAMPLES	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30				

12-Apr-96

ANALYST INITIALS

LAB MANAGER INITIALS DOM

MICROSEEPS

TEI22-962293

**** QUALITY CONTROL ****

----- TRIAD ENGINEERING INC. ----
----- PROJECT LOC: CHRYSLER CORP., KENOSHA, WI. -----
----- PROJECT NO: W963890.D -----
----- CONCENTRATIONS IN ug/L SAMPLE GAS -----

CONTINUING CALIBRATION CHECK

STANDARDS: "L4"(LEVEL 4), "220"
REFERENCE: W61A234, W61A222

COMPOUND	KNOWN ug/L	RESULT ug/L	PERCENT DIFFERENCE
PENTANE	293.04	295.73	0.92
HEXANE	397.30	392.59	1.19
HEPTANE	2.96	2.81	5.00
BENZENE	3.78	3.62	4.07
OCTANE	3.04	2.85	6.31
TOLUENE	3.74	3.40	8.99
NONANE	3.10	2.86	7.80
ETHYL BENZENE	3.74	3.50	6.51
M&P XYLENE	7.46	7.12	4.49
O-XYLENE	3.74	3.62	3.23
DECANE	3.15	2.85	9.63

LABORATORY BLANK RESULTS

BLANK: N2 IN VIAL
REFERENCE: W61A233

COMPOUND	BLANK ug/L	LOWER DETECTION LIMIT ug/L
PENTANE	ND	0.30
HEXANE	ND	0.30
HEPTANE	ND	0.30
BENZENE	ND	0.30
OCTANE	ND	0.30
TOLUENE	ND	0.30
NONANE	ND	0.30
ETHYL BENZENE	ND	0.30
M&P XYLENE	ND	0.30
O-XYLENE	ND	0.30
DECANE	ND	0.30

12-Apr-96

ANALYST INITIALS

LAB MANAGER INITIALS DOM

MICROSEEPS, Inc.

220 William Pitt Way, Pittsburgh, PA 15238

Phone: (412) 826-5245 Fax: (412) 826-3433

CHAIN-OF-CUSTODY RECORD

Company Name: TRIAD Engineering, Inc

Address: 325 E. Chicago St. Milwaukee, WI 53202

Proj. Manager: Ross Creighton

Proj. Location: Chrysler

Proj. Number: 963890.0

Phone # : (414) 291-8840 Fax # : (414) 291-8841

Sampler's signature : Ross Creighton

Note: Enter proper letters in Requested Analyses columns below.

Note: If analysis D,E,or K is selected, scratch (option) NOT wanted.

Analysis Options

* A	C1 -C4	G	Chlorinated HC
* B	Hydrogen & Helium	H	BTEX
* C	Permanent Gases (CH4, CO, CO2, N2, O2)	J	BTEX & C5 - C10
D	Mercury (Soil) or (Air **)	K	TPH ~~(C5-C10)~~ or (C4 -C12)
E	TO-14 by GC/MS (Ambient) or (Source **)	L	C11 - C18
F	601 & 602 Compounds	Other	Specify below.

* An additional 22 ml vial of sample is required when requested in combination with another analysis.

** Available upon request.

Collection Date	Collection Time	Number of Containers	"Summa" # if Can. used	Sample Type	Sample Identification	Requested Analyses					(Other)	Remarks
4-8	1220	2		AIR	AREA3-Bldg-INT	F	J	K				
4-8	1228	2		AIR	AREA3-Bldg-EFF	F	J	K				
4-8	1238	2		AIR	AREA3-TRAILER-INT	F	J	K				
4-8	1243	2		AIR	AREA3-Trailer-EFF	F	J	K				
4-8	1257	2		AIR	SUMP9-SVE-INF	F	J	K				
4-8	1305	2		AIR	SUMP1-SVE-EFF	F	J	K				please report results in micrograms per Liter

Results to : Ross Creighton

Invoice to :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Ross Creighton	TRIAD	4-8-96	15:25	J C Williams	MICROSEEPS	4/9/96	
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Laboratory to return. YELLOW COPY : Laboratory PINK COPY : Submitter

AIR STRIPPER INFLUENT AND EFFLUENT SAMPLE ANALYTICAL RESULTS

Note: Data from samples Sump-2 Eff and Sump 117 are not included, as they do not pertain to this investigation.

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

11/JUL/96

TRIAD ENGINEERING INC.
ATTN: ROSS CREIGHTON
325 E CHICAGO STREET
SUITE 400
MILWAUKEE, WI 53202

Subject: Report of Data - Account Number# 500957 Order# 32410

ATTN: ROSS CREIGHTON

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers 6 sample(s) appearing on the attached listing.

Thank you for selecting CompuChem Environmental for your sample analysis. If you should have questions or require additional analytical services please contact your representative at 1-919-406-1600.

Sincerely,

Diane Ellmore

Report Preparation
CompuChem Laboratories, Inc.

Attachment

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

11/JUL/96

TRIAD ENGINEERING INC.
ATTN: ROSS CREIGHTON
325 E CHICAGO STREET
SUITE 400
MILWAUKEE, WI 53202

ACCOUNT #: 500957

CC#	SAMPLE-ID	RECEIPT DATE
810413	SUMP10123	6/27/96
810416	SUMPDUPINF	6/27/96
810417	SUMP11INF	6/27/96
810418	SUMP12INF	6/27/96
810419	SUMP13INF	6/27/96
810436	SUMP10INF	6/27/96

TOTAL NUMBER OF SAMPLES = 6

COMPUCHEM
ENVIRONMENTAL
CORPORATION

SDG NARRATIVE

Case # 32410
SDG # 00001
Protocol SW-846

Sample Identifications: SUMP10123, SUMP10INF, SUMP11INF, SUMP12INF, SUMP13INF, SUMPDUPINF

The six liquid samples listed above were received intact, properly refrigerated, with proper documentation, in a sealed shipping container, on June 27, 1996. The samples were scheduled for the requested analyses of the volatile fractions. These samples were analyzed following SW-846 Method 8260 protocol, with the exceptions and/or additions described in the attached Project Profile Sheet (PPS) # 521.

All pertinent Quality Assurance notices are included in the narrative section or the sample data sections, and all pertinent Laboratory notices for Case # 32410, SDG # 00001 are included in the sample data sections.

VOLATILES:
Analysis holding time requirements were met for all of these samples. The pH values of these samples are tabulated on the attached batch sheets.

There were a number of chlorinated hydrocarbon and/or aromatic hydrocarbon volatile identified at reportable levels in these samples. Tentatively Identified Compounds (TIC's) were not reported for these samples.

Due to the levels of organic material present in SUMP11INF, SUMP13INF, and SUMPDUPINF, these samples were prepared and analyzed using less than the method-specified 25 mL of raw sample.

In the initial analysis of SUMP12INF, the recovery of the system monitoring compound bromofluorobenzene failed quality control criteria. The sample was reanalyzed and the system monitoring compound again failed recovery criteria. The failing system monitoring compound recoveries have been attributed to the particular matrix of the sample. Both analyses of that sample have been reported.

In the analysis of VBLKMA, the recovery of the internal standard D4-1,4-dichlorobenzene failed to meet the percent difference criteria. This was not determined until the blank and associated samples were in the data review process. Since the samples could not be reanalyzed within holding times, no corrective action was taken.

All of the system monitoring compounds in samples not previously discussed met recovery criteria. All of the internal standards in samples not previously discussed met response and retention time criteria.

The associated method blanks met all quality control criteria.

SUMP13INF was used as the original to prepare the duplicate matrix spikes. With five exceptions, the associated duplicate matrix spikes met all accuracy and precision criteria. The recovery of the spike compound trichloroethene was flagged as an outlier in the matrix spike and matrix spike duplicate. The Relative Percent Differences (RPD's) of trichloroethene, 1,2-dichloropropane, and bromodichloromethane were flagged as outliers in the comparison of the duplicate matrix spikes. The associated Laboratory Control Samples (LCS's) met overall accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Sarah A Hubbard

Sarah A. Hubbard
Technical Reviewer
July 10, 1996

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

23/JUL/96

TRIAD ENGINEERING INC.
ATTN: ROSS CREIGHTON
325 E CHICAGO STREET
SUITE 400
MILWAUKEE, WI 53202

Subject: Report of Data - Account Number# 500957 Order# 32410

ATTN: ROSS CREIGHTON

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers 15 sample(s) appearing on the attached listing.

Thank you for selecting CompuChem Environmental for your sample analysis. If you should have questions or require additional analytical services please contact your representative at 1-919-406-1600.

Sincerely,

Report Preparation
CompuChem Laboratories, Inc.

Attachment

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

23/JUL/96

TRIAD ENGINEERING INC.
ATTN: ROSS CREIGHTON
325 E CHICAGO STREET
SUITE 400
MILWAUKEE, WI 53202

ACCOUNT #: 500957

CC#	SAMPLE-ID	RECEIPT DATE
811927	SUMP-2EFF	7/09/96
811930	SUMP-4INF	7/09/96
811931	SUMP-5INF	7/09/96
811932	SUMP-6EFF	7/09/96
811933	SUMP-6INF	7/09/96
811934	SUMP-7INF	7/09/96
811935	SUMP-8INF	7/09/96
811936	SUMP-9EFF	7/09/96
811937	SUMP-9INF	7/09/96
811938	SUMP14INF	7/09/96
811939	SUMP15INF	7/09/96
811940	SUMP45EFF	7/09/96
811941	781415EFF	7/09/96
811942	SUMP-117	7/09/96
811943	TRIPBLANK	7/09/96

TOTAL NUMBER OF SAMPLES = 15

CASE NARRATIVE

CASE: 32410
SDG: 00019
CONTRACT: 500957

SAMPLE IDENTIFICATIONS: 781415EFF, SUMP-117, SUMP-2EFF, SUMP-4INF, SUMP-5INF, SUMP-6EFF, SUMP-6INF, SUMP-7INF, SUMP-8INF, SUMP-9EFF, SUMP-9INF, SUMP14INF, SUMP15INF, SUMP45EFF, TRIPBLANK

These fifteen (15) water samples were received intact, properly refrigerated, with proper chain-of-custody (COC) documentation on July 9, 1996. The samples were prepared and analyzed for the volatile fractions following SW846 Method 8260 protocol.

VOLATILES

Analysis holding time requirements were met for the initial analyses of all of these samples.

There were chlorinated target analytes identified at concentrations above the reporting limit in many of these samples. Some samples also contained one or more of the target analytes benzene, toluene and ethylbenzene at a concentration above the reporting limit. The two Tentatively Identified Compounds (TICs) found in 781415EFF were assessed as dimethylnaphthalenes.

Due to the results of screens of the samples, SUMP-117, SUMP-4INF, SUMP-5INF, SUMP-6EFF, SUMP-6INF, SUMP-7INF, SUMP-9EFF, SUMP-9INF, and SUMP45EFF were initially analyzed at dilutions ranging from 2.9:1 to 192.3:1. In each of these analyses, the on-column amount of at least one target analyte fell in dilution criteria range (upper half of the instrument's analytical range). Therefore we have reported the data without further analysis at a greater concentration.

Due to the results of a screen of the sample, 781415EFF was initially analyzed at a 2.9:1 dilution. In this analysis, the on-column amount of the target analyte cis-1,2-dichloroethene exceeded the instrument's analytical range as defined by the highest concentration standard of the initial calibration. The sample was reanalyzed at a 31.2:1 dilution to bring the amount into range, using raw sample from a different volatile vial received for 781415EFF. The reanalysis was performed more than fourteen days from sampling. We have attributed the variations in sample results to the differences in sample bottle contents between the separate volatile vials received for this sample. We have reported both analyses of 781415EFF.

Due to the results of a screen of the sample, SUMP14INF was initially analyzed at a 10.9:1 dilution. In this analysis, the on-column amount of the target analyte 1,1,1-trichloroethane exceeded the instrument's analytical range.

The sample was reanalyzed, using raw sample from a different volatile vial received for SUMP14INF, at a 14.7:1 dilution to bring the amount into range. We have attributed the variations in sample results to the differences in sample bottle contents between the separate volatile vials received for this sample. We have reported both analyses of SUMP14INF.

All of the surrogates met recovery criteria and all of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. The method blanks contained concentrations of the common laboratory solvent methylene chloride which were within acceptance limits.

SUMP15INF was used as the original to prepare the duplicate matrix spikes. The matrix spike duplicate was analyzed more than fourteen days from sampling. The five-compound EPA spiking cocktail was used to preparet the duplicate matrix spikes. The associated duplicate matrix spikes met all advisory accuracy and precision criteria with three exceptions. The recovery of the spike compound benzene was flagged as an outlier in the matrix spike. The Relative Percent Differences (RPDs) of 1,1-dichloroethene and toluene were flagged as outliers in the comparison of the duplicate matrix spikes. The associated Laboratory Control Samples (LCSs) met all quality control criteria with one exception. The spike compound 2-chloroethyl vinyl ether (CEVE) was not recovered in one of the LCSs.

I certify that the data contained in this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions listed above. Release of the data contained in the hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Stephanie W. Winfield 7/23/96

Stephanie W. Winfield
Technical Reviewer
July 23, 1996

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

23/JUL/96

TRIAD ENGINEERING INC.
ATTN: ROSS CREIGHTON
325 E CHICAGO STREET
SUITE 400
MILWAUKEE, WI 53202

Subject: Report of Data - Account Number# 500957 Order# 32410

ATTN: ROSS CREIGHTON

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers 14 sample(s) appearing on the attached listing.

Thank you for selecting CompuChem Environmental for your sample analysis. If you should have questions or require additional analytical services please contact your representative at 1-919-406-1600.

Sincerely,

Report Preparation
CompuChem Laboratories, Inc.

Attachment

RFA 1057x RFA 1604

CHRYSLER CORPORATION — Chain of Custody

№ 10580 A

CompuChem Environmental Corporation
~~3306 Chapel Hill/Nelson Highway~~ 4600 Silicon Drive
P.O.Box 14998
Research Triangle Park, NC 27709-4998
Phone Number: 1-800-833-5097
Fax Number: (919) 406-1686

Project Name: Chrysler Corp - Kenosha, WI
Site Code:
Release Number:
Chrysler PM: Curtis Chapman

Consultant PM: Ross Creighton
Address: Triad Engineering Inc
325 E Chicago St Milw., WI, 53202
Phone: (414) 291-8840 Fax: (414) 291-8841

Turnaround Time Request: Regular

Sampler(s): JMR, HLV

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes: S - Soil; SW - Surface Water; GW - Ground Water; A - Air; Sed. - Sediment; O - Other (specify) ____

Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs 8260 WDNR 40ml vile HCl	GRO WDNR Modified 40ml vile	DRO WDNR Modified 1 liter amber	Cyanide 335.2	Lab Use Only: Volatiles pH <2	Metals pH <2	Cyanide pH >12	Other	Remarks
Sump 13 inf	6/25/96		G	GW	6	X	X	X	X					Please filter at lab
Sump 12 inf	6/25/96		G	GW	5	X	X	X						
Sump 11 inf	6/25/96		G	GW	5	X	X	X						
Sump 10 inf	6/25/96		G	GW	5	X	X	X						
Sump Dup inf	6/25/96		G	GW	5	X	X	X						
Sump 10, 11, 12, 13 eff	6/25/96		G	GW	5	X	X	X						
														Associated trip blank on g.w. sampling chain of custody

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Chrysler Level 3
CLP Deliverables
Other (specify):

	Bottles Relinquished under Airbill No.	Date:	Time:	Samples Relinquished under Airbill No.	Date:	Time:	Temperature (corrected) 4 C
Relinquished by:	Jonathan Hale	6/26/96		Received by:			Custody Seal Intact? Yes No
Relinquished by:		Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:		Date:	Time:	Received for Laboratory by: Marlene J. Smith	Date: 6/27/96	Time: 10:15	Custody Seal Intact? (Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

Revision No. 0
Created: July 17, 1995

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11:44am 7/11/96

[redacted]

CHRYSLER CORPORATION

Chain of Custody

№ 10912 A

CompuChem Environmental Corporation ~~3306 Chapel Hill/Nelson Highway~~ 4600 Silicon Drive P.O.Box 14998 ~~Research Triangle Park~~, NC ~~27709-4998~~ 27703 Phone Number: 1-800-833-5097, 919-474-7000 Fax Number: (919) 406-1686	Project Name: Chrysler - Kenosha Engine Plant Site Code: Release Number: Chrysler PM: Curt Chapman

Consultant PM: Triad Engineering
Address: 325 E Chicago Street, Milwaukee WI. 53202
Phone: 414-291-8840 Fax: 414-291-8841

Turnaround Time Request:

Sampler(s): Ross C, Mike G, Carol D

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil; SW - Surface Water; GW - Ground Water; A - Air; Sed. - Sediment; O - Other (specify) ______

Sample Identification	Cooler	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs/8260-WDNR List + GRO wash state, 40ml vial HCL	DRO + Swim RT window / WDNR or Wash St./1L Amber / HCL	CN-335.2, 500ml plastic NaOH								Volatiles pH <2	Metals pH <2	Cyanide pH > 12	Other	Remarks
Sump 9 Inf.	2	7/3/96	10:15	G	GW	4	3	1													
Sump 9 Eff.	2	7/3/96	10:15	↓	↓	4	3	1													
Sump 4 Inf.	2	7/3/96	10:40			4	3	1													
Sump 5 Inf.	2	7/3/96	10:40			4	3	1													Temp. 4°C
Sump 4&5 Eff.	2	7/3/96	10:40			4	3	1													
Sump 6 Inf.	0	7/3/96	11:25			4	3	1													
Sump 6 Eff.	0	7/3/96	11:35			4	3	1													
Sump 7 Inf.	0	7/3/96	12:00			4	3	1													
Sump 8 Inf.	0	7/3/96	12:00			4	3	1													
Sump 14 Inf	0	7/3/96	12:00	↓	↓	5	3	1	1												

Data Package Deliverables: (circle)
- (Chrysler Level 1) — circled
- Chrysler Level 2
- Chrysler Level 3
- CLP Deliverables
- Other (specify):

Bottles Reliquished under Airbill No.
Samples Relinquished under Airbill No.
Temperature (corrected) ____ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Ross M Creighton	7/3					Yes No
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by: K McNeill	7-9-96	10:15	Custody Seal Intact? (Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

Revision No. 0
Created: July 17, 1995

Page 1 of 2

3:30pm 7/23/96

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CHRYSLER CORPORATION — Chain of Custody

№ 10902 A

CompuChem Environmental Corporation
~~3506 Chapel Hill/Nelson Highway~~
P.O.Box 14998
~~Research Triangle Park, NC 27709-4998~~ Duram, NC, 27703
Phone Number: 1-800-833-5097, 919-474-7000
Fax Number: (919) 406-1686

Project Name: Chrysler - Kenosha Engine Plant
Site Code:
Release Number:
Chrysler PM: Curt Chapman

Consultant PM: Triad Engineering
Address 325 E Chicago Street
Milwaukee WI. 53202
Phone: 414-291-8840 Fax: 414-291-8840

Turnaround Time Request:

Sampler(s): Ross C., Mike G., Carol D.

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil SW - Surface Water
GW - Ground Water A - Air
Sed. - Sediment
O - Other (specify) _____

Sample Identification / Color	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs 8260 - WQM List & GRO Wash St. or WQNZ And, 40ml vials HCl	DRO - Wash St. or WDNR mod. 1LAmber 6pH<2 HCl	CN - 335.2, 500ml plas NaOH	Lab Use Only: Volatiles pH<2	Metals pH<2	Cyanide pH>12	Other	Remarks
Sump 15 Inf. ⊙	7/3/96	12:00	G	GW	4	3	1						
Sump 7,8,14,15 Eff ⊙	7/3/96	12:00	G	GW	5	3	1	1					
Sump 117 ⊙	7/3/96	12:00	G	GW	4	3	1						
15 MS ⊙	7/3/96	12:00	G	GW	4	3	1						
Sump 15 ~~MS~~ MSD ⊙	7/3/96	12:00	G	GW	4	3	1						
Sump 2 Eff. ⊙	7/3/96	13:15	G	GW	4	3	1						
Trip Blank ⊙					1	1							
Temp Blank ⊙					1	1							10 4C Temp.

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Chrysler Level 3
CLP Deliverables
Other (specify):

Bottles Relinquished under Airbill No.
Samples Relinquished under Airbill No.
Temperature (corrected) ____ C

		Date:	Time:		Date:	Time:	Custody Seal Intact?
Relinquished by:	Ron M. Crighton			Received by:			Yes No
Relinquished by:		Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:		Date:	Time:	Received for Laboratory by: R. McVeigh	Date: 7-9-96	Time: 10:15	Custody Seal Intact? (Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

Revision No. 0
Created: July 17, 1995

3:30pm 7/23/96

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SUMP13INF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810419

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C3R10419A55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/08/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
75-01-4	Vinyl Chloride	50		U
75-00-3	Chloroethane	25		U
75-09-2	Methylene Chloride	750		U
75-35-4	1,1-Dichloroethene	38		U
75-34-3	1,1-Dichloroethane	25		U
67-66-3	Chloroform	38		U
107-06-2	1,2-Dichloroethane	38		U
71-55-6	1,1,1-Trichloroethane	38		U
56-23-5	Carbon Tetrachloride	50		U
75-27-4	Bromodichloromethane	25		U
79-01-6	Trichloroethene	38	920	
124-48-1	Dibromochloromethane	25		U
79-00-5	1,1,2-Trichloroethane	38		U
71-43-2	Benzene	38		U
127-18-4	Tetrachloroethene	38		U
79-34-5	1,1,2,2-Tetrachloroethane	25		U
108-88-3	Toluene	38		U
108-90-7	Chlorobenzene	25		U
100-41-4	Ethylbenzene	25		U
106-93-4	1,2-Dibromoethane	38		U
96-12-8	1,2-Dibromo-3-Chloropropane	75		U
75-69-4	Trichlorofluoromethane	50		U
594-20-7	2,2-Dichloropropane	25		U
98-82-8	Isopropyl Benzene	38		U
108-86-1	Bromobenzene	25		U
95-49-8	2-Chlorotoluene	25		U
106-43-4	4-Chlorotoluene	25		U
108-67-8	1,3,5-Trimethyl Benzene	25		U
98-06-6	tert-Butyl Benzene	38		U
95-63-6	1,2,4-Trimethyl Benzene	25		U
135-98-8	sec-Butyl Benzene	38		U
541-73-1	1,3-Dichlorobenzene	25		U
106-46-7	1,4-Dichlorobenzene	25		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SUMP13INF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810419

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C3R10419A55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/08/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
99-87-6	p-Isopropyl Toluene	38		U
95-50-1	1,2-Dichlorobenzene	25		U
104-51-8	n-Butyl Benzene	38		U
120-82-1	1,2,4-Trichlorobenzene	25		U
87-68-3	Hexachlorobutadiene	38		U
91-20-3	Naphthalene	38		U
78-87-5	1,2-Dichloropropane	38		U
142-28-9	1,3-Dichloropropane	38		U
103-65-1	n-Propyl Benzene	38		U
74-87-3	Chloromethane	50		U
87-61-6	1,2,3-Trichlorobenzene	38		U
75-71-8	Dichlorodifluoromethane	50		U
1634-04-4	Methyl-tert-butyl ether	38		U
156-60-5	trans-1,2-Dichloroethene	38	64	
156-59-2	cis-1,2-Dichloroethene	25	140	
1330-20-7	Xylene (total)	25		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SUMP12INF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810418

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR010418C55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/09/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	0.5	1	
75-09-2	Methylene Chloride	15		U
75-35-4	1,1-Dichloroethene	0.8		U
75-34-3	1,1-Dichloroethane	0.5	2	
67-66-3	Chloroform	0.8		U
107-06-2	1,2-Dichloroethane	0.8		U
71-55-6	1,1,1-Trichloroethane	0.8		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	0.5		U
79-01-6	Trichloroethene	0.8		U
124-48-1	Dibromochloromethane	0.5		U
79-00-5	1,1,2-Trichloroethane	0.8		U
71-43-2	Benzene	0.8		U
127-18-4	Tetrachloroethene	0.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
108-88-3	Toluene	0.8		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
106-93-4	1,2-Dibromoethane	0.8		U
96-12-8	1,2-Dibromo-3-Chloropropane	2		U
75-69-4	Trichlorofluoromethane	1		U
594-20-7	2,2-Dichloropropane	0.5		U
98-82-8	Isopropyl Benzene	0.8		U
108-86-1	Bromobenzene	0.5		U
95-49-8	2-Chlorotoluene	0.5		U
106-43-4	4-Chlorotoluene	0.5		U
108-67-8	1,3,5-Trimethyl Benzene	0.5		U
98-06-6	tert-Butyl Benzene	0.8		U
95-63-6	1,2,4-Trimethyl Benzene	0.5		U
135-98-8	sec-Butyl Benzene	0.8		U
541-73-1	1,3-Dichlorobenzene	0.5		U
106-46-7	1,4-Dichlorobenzene	0.5		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SUMP12INF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810418

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR010418C55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/09/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/L DL	CONC	Q
99-87-6	p-Isopropyl Toluene	0.8		U
95-50-1	1,2-Dichlorobenzene	0.5		U
104-51-8	n-Butyl Benzene	0.8		U
120-82-1	1,2,4-Trichlorobenzene	0.5		U
87-68-3	Hexachlorobutadiene	0.8		U
91-20-3	Naphthalene	0.8		U
78-87-5	1,2-Dichloropropane	0.8		U
142-28-9	1,3-Dichloropropane	0.8		U
103-65-1	n-Propyl Benzene	0.8		U
74-87-3	Chloromethane	1		U
87-61-6	1,2,3-Trichlorobenzene	0.8		U
75-71-8	Dichlorodifluoromethane	1		U
1634-04-4	Methyl-tert-butyl ether	0.8		U
156-60-5	trans-1,2-Dichloroethene	0.8	7	
156-59-2	cis-1,2-Dichloroethene	0.5	7	
1330-20-7	Xylene (total)	0.5		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP12INFRE

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810418

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R10418C55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/09/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	0.5	0.9	
75-09-2	Methylene Chloride	15		U
75-35-4	1,1-Dichloroethene	0.8		U
75-34-3	1,1-Dichloroethane	0.5	2	
67-66-3	Chloroform	0.8		U
107-06-2	1,2-Dichloroethane	0.8		U
71-55-6	1,1,1-Trichloroethane	0.8		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	0.5		U
79-01-6	Trichloroethene	0.8		U
124-48-1	Dibromochloromethane	0.5		U
79-00-5	1,1,2-Trichloroethane	0.8		U
71-43-2	Benzene	0.8		U
127-18-4	Tetrachloroethene	0.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
108-88-3	Toluene	0.8		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
106-93-4	1,2-Dibromoethane	0.8		U
96-12-8	1,2-Dibromo-3-Chloropropane	2		U
75-69-4	Trichlorofluoromethane	1		U
594-20-7	2,2-Dichloropropane	0.5		U
98-82-8	Isopropyl Benzene	0.8		U
108-86-1	Bromobenzene	0.5		U
95-49-8	2-Chlorotoluene	0.5		U
106-43-4	4-Chlorotoluene	0.5		U
108-67-8	1,3,5-Trimethyl Benzene	0.5		U
98-06-6	tert-Butyl Benzene	0.8		U
95-63-6	1,2,4-Trimethyl Benzene	0.5		U
135-98-8	sec-Butyl Benzene	0.8		U
541-73-1	1,3-Dichlorobenzene	0.5		U
106-46-7	1,4-Dichlorobenzene	0.5		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP12INFRE

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810418

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R10418C55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/09/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/L DL	CONC	Q
99-87-6	p-Isopropyl Toluene	0.8		U
95-50-1	1,2-Dichlorobenzene	0.5		U
104-51-8	n-Butyl Benzene	0.8		U
120-82-1	1,2,4-Trichlorobenzene	0.5		U
87-68-3	Hexachlorobutadiene	0.8		U
91-20-3	Naphthalene	0.8		U
78-87-5	1,2-Dichloropropane	0.8		U
142-28-9	1,3-Dichloropropane	0.8		U
103-65-1	n-Propyl Benzene	0.8		U
74-87-3	Chloromethane	1		U
87-61-6	1,2,3-Trichlorobenzene	0.8		U
75-71-8	Dichlorodifluoromethane	1		U
1634-04-4	Methyl-tert-butyl ether	0.8		U
156-60-5	trans-1,2-Dichloroethene	0.8	6	
156-59-2	cis-1,2-Dichloroethene	0.5	6	
1330-20-7	Xylene (total)	0.5		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP11INF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810417

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R10417A57.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/06/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 62.5

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
75-01-4	Vinyl Chloride	62		U
75-00-3	Chloroethane	31		U
75-09-2	Methylene Chloride	940		U
75-35-4	1,1-Dichloroethene	47		U
75-34-3	1,1-Dichloroethane	31		U
67-66-3	Chloroform	47		U
107-06-2	1,2-Dichloroethane	47		U
71-55-6	1,1,1-Trichloroethane	47		U
56-23-5	Carbon Tetrachloride	62		U
75-27-4	Bromodichloromethane	31		U
79-01-6	Trichloroethene	47	410	
124-48-1	Dibromochloromethane	31		U
79-00-5	1,1,2-Trichloroethane	47		U
71-43-2	Benzene	47	610	
127-18-4	Tetrachloroethene	47		U
79-34-5	1,1,2,2-Tetrachloroethane	31		U
108-88-3	Toluene	47	47	
108-90-7	Chlorobenzene	31		U
100-41-4	Ethylbenzene	31	39	
106-93-4	1,2-Dibromoethane	47		U
96-12-8	1,2-Dibromo-3-Chloropropane	94		U
75-69-4	Trichlorofluoromethane	62		U
594-20-7	2,2-Dichloropropane	31		U
98-82-8	Isopropyl Benzene	47		U
108-86-1	Bromobenzene	31		U
95-49-8	2-Chlorotoluene	31		U
106-43-4	4-Chlorotoluene	31		U
108-67-8	1,3,5-Trimethyl Benzene	31		U
98-06-6	tert-Butyl Benzene	47		U
95-63-6	1,2,4-Trimethyl Benzene	31		U
135-98-8	sec-Butyl Benzene	47		U
541-73-1	1,3-Dichlorobenzene	31		U
106-46-7	1,4-Dichlorobenzene	31		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP11INF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810417

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R10417A57.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/06/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 62.5

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
99-87-6	p-Isopropyl Toluene	47		U
95-50-1	1,2-Dichlorobenzene	31		U
104-51-8	n-Butyl Benzene	47		U
120-82-1	1,2,4-Trichlorobenzene	31		U
87-68-3	Hexachlorobutadiene	47		U
91-20-3	Naphthalene	47		U
78-87-5	1,2-Dichloropropane	47		U
142-28-9	1,3-Dichloropropane	47		U
103-65-1	n-Propyl Benzene	47		U
74-87-3	Chloromethane	62		U
87-61-6	1,2,3-Trichlorobenzene	47		U
75-71-8	Dichlorodifluoromethane	62		U
1634-04-4	Methyl-tert-butyl ether	47		U
156-60-5	trans-1,2-Dichloroethene	47		U
156-59-2	cis-1,2-Dichloroethene	31	1100	
1330-20-7	Xylene (total)	31		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP10INF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810436

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R10436C55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/09/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
75-01-4	Vinyl Chloride	120	780	
75-00-3	Chloroethane	62		U
75-09-2	Methylene Chloride	1900		U
75-35-4	1,1-Dichloroethene	94		U
75-34-3	1,1-Dichloroethane	62		U
67-66-3	Chloroform	94		U
107-06-2	1,2-Dichloroethane	94		U
71-55-6	1,1,1-Trichloroethane	94		U
56-23-5	Carbon Tetrachloride	120		U
75-27-4	Bromodichloromethane	62		U
79-01-6	Trichloroethene	94	2200	
124-48-1	Dibromochloromethane	62		U
79-00-5	1,1,2-Trichloroethane	94		U
71-43-2	Benzene	94		U
127-18-4	Tetrachloroethene	94		U
79-34-5	1,1,2,2-Tetrachloroethane	62		U
108-88-3	Toluene	94		U
108-90-7	Chlorobenzene	62		U
100-41-4	Ethylbenzene	62		U
106-93-4	1,2-Dibromoethane	94		U
96-12-8	1,2-Dibromo-3-Chloropropane	190		U
75-69-4	Trichlorofluoromethane	120		U
594-20-7	2,2-Dichloropropane	62		U
98-82-8	Isopropyl Benzene	94		U
108-86-1	Bromobenzene	62		U
95-49-8	2-Chlorotoluene	62		U
106-43-4	4-Chlorotoluene	62		U
108-67-8	1,3,5-Trimethyl Benzene	62		U
98-06-6	tert-Butyl Benzene	94		U
95-63-6	1,2,4-Trimethyl Benzene	62		U
135-98-8	sec-Butyl Benzene	94		U
541-73-1	1,3-Dichlorobenzene	62		U
106-46-7	1,4-Dichlorobenzene	62		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP10INF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810436

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R10436C55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/09/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
99-87-6	p-Isopropyl Toluene	94		U
95-50-1	1,2-Dichlorobenzene	62		U
104-51-8	n-Butyl Benzene	94		U
120-82-1	1,2,4-Trichlorobenzene	62		U
87-68-3	Hexachlorobutadiene	94		U
91-20-3	Naphthalene	94		U
78-87-5	1,2-Dichloropropane	94		U
142-28-9	1,3-Dichloropropane	94		U
103-65-1	n-Propyl Benzene	94		U
74-87-3	Chloromethane	120		U
87-61-6	1,2,3-Trichlorobenzene	94		U
75-71-8	Dichlorodifluoromethane	120		U
1634-04-4	Methyl-tert-butyl ether	94		U
156-60-5	trans-1,2-Dichloroethene	94	390	
156-59-2	cis-1,2-Dichloroethene	62	820	
1330-20-7	Xylene (total)	62		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMPDUPINF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810416

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C4R10416B55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/08/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
75-01-4	Vinyl Chloride	120	400	
75-00-3	Chloroethane	62		U
75-09-2	Methylene Chloride	1900		U
75-35-4	1,1-Dichloroethene	94		U
75-34-3	1,1-Dichloroethane	62		U
67-66-3	Chloroform	94		U
107-06-2	1,2-Dichloroethane	94		U
71-55-6	1,1,1-Trichloroethane	94		U
56-23-5	Carbon Tetrachloride	120		U
75-27-4	Bromodichloromethane	62		U
79-01-6	Trichloroethene	94	2100	
124-48-1	Dibromochloromethane	62		U
79-00-5	1,1,2-Trichloroethane	94		U
71-43-2	Benzene	94		U
127-18-4	Tetrachloroethene	94		U
79-34-5	1,1,2,2-Tetrachloroethane	62		U
108-88-3	Toluene	94		U
108-90-7	Chlorobenzene	62		U
100-41-4	Ethylbenzene	62		U
106-93-4	1,2-Dibromoethane	94		U
96-12-8	1,2-Dibromo-3-Chloropropane	190		U
75-69-4	Trichlorofluoromethane	120		U
594-20-7	2,2-Dichloropropane	62		U
98-82-8	Isopropyl Benzene	94		U
108-86-1	Bromobenzene	62		U
95-49-8	2-Chlorotoluene	62		U
106-43-4	4-Chlorotoluene	62		U
108-67-8	1,3,5-Trimethyl Benzene	62		U
98-06-6	tert-Butyl Benzene	94		U
95-63-6	1,2,4-Trimethyl Benzene	62		U
135-98-8	sec-Butyl Benzene	94		U
541-73-1	1,3-Dichlorobenzene	62		U
106-46-7	1,4-Dichlorobenzene	62		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMPDUPINF

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810416

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C4R10416B55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/08/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
99-87-6	p-Isopropyl Toluene	94		U
95-50-1	1,2-Dichlorobenzene	62		U
104-51-8	n-Butyl Benzene	94		U
120-82-1	1,2,4-Trichlorobenzene	62		U
87-68-3	Hexachlorobutadiene	94		U
91-20-3	Naphthalene	94		U
78-87-5	1,2-Dichloropropane	94		U
142-28-9	1,3-Dichloropropane	94		U
103-65-1	n-Propyl Benzene	94		U
74-87-3	Chloromethane	120		U
87-61-6	1,2,3-Trichlorobenzene	94		U
75-71-8	Dichlorodifluoromethane	120		U
1634-04-4	Methyl-tert-butyl ether	94		U
156-60-5	trans-1,2-Dichloroethene	94	310	
156-59-2	cis-1,2-Dichloroethene	62	730	
1330-20-7	Xylene (total)	62		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP10123

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810413

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR010413A55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/08/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	0.5		U
75-09-2	Methylene Chloride	15		U
75-35-4	1,1-Dichloroethene	0.8		U
75-34-3	1,1-Dichloroethane	0.5		U
67-66-3	Chloroform	0.8		U
107-06-2	1,2-Dichloroethane	0.8		U
71-55-6	1,1,1-Trichloroethane	0.8		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	0.5		U
79-01-6	Trichloroethene	0.8	7	
124-48-1	Dibromochloromethane	0.5		U
79-00-5	1,1,2-Trichloroethane	0.8		U
71-43-2	Benzene	0.8	3	
127-18-4	Tetrachloroethene	0.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
108-88-3	Toluene	0.8		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
106-93-4	1,2-Dibromoethane	0.8		U
96-12-8	1,2-Dibromo-3-Chloropropane	2		U
75-69-4	Trichlorofluoromethane	1		U
594-20-7	2,2-Dichloropropane	0.5		U
98-82-8	Isopropyl Benzene	0.8		U
108-86-1	Bromobenzene	0.5		U
95-49-8	2-Chlorotoluene	0.5		U
106-43-4	4-Chlorotoluene	0.5		U
108-67-8	1,3,5-Trimethyl Benzene	0.5		U
98-06-6	tert-Butyl Benzene	0.8		U
95-63-6	1,2,4-Trimethyl Benzene	0.5		U
135-98-8	sec-Butyl Benzene	0.8		U
541-73-1	1,3-Dichlorobenzene	0.5		U
106-46-7	1,4-Dichlorobenzene	0.5		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SUMP10123

Project: KENOSHA SUMP Date Sampled: 06/25/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 810413

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR010413A55.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Date Analyzed: 07/08/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
99-87-6	p-Isopropyl Toluene	0.8		U
95-50-1	1,2-Dichlorobenzene	0.5		U
104-51-8	n-Butyl Benzene	0.8		U
120-82-1	1,2,4-Trichlorobenzene	0.5		U
87-68-3	Hexachlorobutadiene	0.8		U
91-20-3	Naphthalene	0.8		U
78-87-5	1,2-Dichloropropane	0.8		U
142-28-9	1,3-Dichloropropane	0.8		U
103-65-1	n-Propyl Benzene	0.8		U
74-87-3	Chloromethane	1		U
87-61-6	1,2,3-Trichlorobenzene	0.8		U
75-71-8	Dichlorodifluoromethane	1		U
1634-04-4	Methyl-tert-butyl ether	0.8		U
156-60-5	trans-1,2-Dichloroethene	0.8		U
156-59-2	cis-1,2-Dichloroethene	0.5	17	
1330-20-7	Xylene (total)	0.5		U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP-9INF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811937

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN011937A55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/16/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 131.6

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	66		U
75-01-4	Vinyl Chloride	130		U
75-00-3	Chloroethane	66		U
75-09-2	Methylene Chloride	2000		U
75-35-4	1,1-Dichloroethene	99		U
75-34-3	1,1-Dichloroethane	66		U
67-66-3	Chloroform	99		U
107-06-2	1,2-Dichloroethane	99		U
71-55-6	1,1,1-Trichloroethane	99		U
56-23-5	Carbon Tetrachloride	130		U
75-27-4	Bromodichloromethane	66		U
10061-01-5	cis-1,3-Dichloropropene	66		U
79-01-6	Trichloroethene	99		U
124-48-1	Dibromochloromethane	66		U
79-00-5	1,1,2-Trichloroethane	99		U
71-43-2	Benzene	99	3100	
10061-02-6	trans-1,3-Dichloropropene	99		U
75-25-2	Bromoform	66		U
127-18-4	Tetrachloroethene	99		U
79-34-5	1,1,2,2-Tetrachloroethane	66		U
108-88-3	Toluene	99	120	
108-90-7	Chlorobenzene	66		U
100-41-4	Ethylbenzene	66	820	
78-87-5	1,2-Dichloropropane	99		U
74-87-3	Chloromethane	130		U
110-75-8	2-chloroethyl vinyl ether	1300		U
107-02-8	Acrolein	260		U
107-13-1	Acrylonitrile	330		U
156-60-5	trans-1,2-Dichloroethene	99		U
156-59-2	cis-1,2-Dichloroethene	66		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP-9EFF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811936

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN011936A55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/16/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 55.6

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	28		U
75-01-4	Vinyl Chloride	56		U
75-00-3	Chloroethane	28		U
75-09-2	Methylene Chloride	830		U
75-35-4	1,1-Dichloroethene	42		U
75-34-3	1,1-Dichloroethane	28		U
67-66-3	Chloroform	42		U
107-06-2	1,2-Dichloroethane	42		U
71-55-6	1,1,1-Trichloroethane	42		U
56-23-5	Carbon Tetrachloride	56		U
75-27-4	Bromodichloromethane	28		U
10061-01-5	cis-1,3-Dichloropropene	28		U
79-01-6	Trichloroethene	42		U
124-48-1	Dibromochloromethane	28		U
79-00-5	1,1,2-Trichloroethane	42		U
71-43-2	Benzene	42	1100	
10061-02-6	trans-1,3-Dichloropropene	42		U
75-25-2	Bromoform	28		U
127-18-4	Tetrachloroethene	42		U
79-34-5	1,1,2,2-Tetrachloroethane	28		U
108-88-3	Toluene	42	47	
108-90-7	Chlorobenzene	28		U
100-41-4	Ethylbenzene	28	280	
78-87-5	1,2-Dichloropropane	42		U
74-87-3	Chloromethane	56		U
110-75-8	2-chloroethyl vinyl ether	560		U
107-02-8	Acrolein	110		U
107-13-1	Acrylonitrile	140		U
156-60-5	trans-1,2-Dichloroethene	42		U
156-59-2	cis-1,2-Dichloroethene	28		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP-4INF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811930

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN011930C55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/16/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 166.7

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	83		U
75-01-4	Vinyl Chloride	170		U
75-00-3	Chloroethane	83		U
75-09-2	Methylene Chloride	2500	160	JB
75-35-4	1,1-Dichloroethene	120		U
75-34-3	1,1-Dichloroethane	83	42	J
67-66-3	Chloroform	120		U
107-06-2	1,2-Dichloroethane	120		U
71-55-6	1,1,1-Trichloroethane	120		U
56-23-5	Carbon Tetrachloride	170		U
75-27-4	Bromodichloromethane	83		U
10061-01-5	cis-1,3-Dichloropropene	83		U
79-01-6	Trichloroethene	120		U
124-48-1	Dibromochloromethane	83		U
79-00-5	1,1,2-Trichloroethane	120		U
71-43-2	Benzene	120	2700	
10061-02-6	trans-1,3-Dichloropropene	120		U
75-25-2	Bromoform	83		U
127-18-4	Tetrachloroethene	120		U
79-34-5	1,1,2,2-Tetrachloroethane	83		U
108-88-3	Toluene	120	180	
108-90-7	Chlorobenzene	83		U
100-41-4	Ethylbenzene	83	800	
78-87-5	1,2-Dichloropropane	120		U
74-87-3	Chloromethane	170		U
110-75-8	2-chloroethyl vinyl ether	1700		U
107-02-8	Acrolein	330		U
107-13-1	Acrylonitrile	420		U
156-60-5	trans-1,2-Dichloroethene	120		U
156-59-2	cis-1,2-Dichloroethene	83	89	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP-5INF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811931

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN011931C55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/16/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 192.3

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	96		U
75-01-4	Vinyl Chloride	190		U
75-00-3	Chloroethane	96		U
75-09-2	Methylene Chloride	2900	220	JB
75-35-4	1,1-Dichloroethene	140		U
75-34-3	1,1-Dichloroethane	96		U
67-66-3	Chloroform	140		U
107-06-2	1,2-Dichloroethane	140		U
71-55-6	1,1,1-Trichloroethane	140		U
56-23-5	Carbon Tetrachloride	190		U
75-27-4	Bromodichloromethane	96		U
10061-01-5	cis-1,3-Dichloropropene	96		U
79-01-6	Trichloroethene	140		U
124-48-1	Dibromochloromethane	96		U
79-00-5	1,1,2-Trichloroethane	140		U
71-43-2	Benzene	140	3300	
10061-02-6	trans-1,3-Dichloropropene	140		U
75-25-2	Bromoform	96		U
127-18-4	Tetrachloroethene	140		U
79-34-5	1,1,2,2-Tetrachloroethane	96		U
108-88-3	Toluene	140	200	
108-90-7	Chlorobenzene	96		U
100-41-4	Ethylbenzene	96	900	
78-87-5	1,2-Dichloropropane	140		U
74-87-3	Chloromethane	190		U
110-75-8	2-chloroethyl vinyl ether	1900		U
107-02-8	Acrolein	380		U
107-13-1	Acrylonitrile	480		U
156-60-5	trans-1,2-Dichloroethene	140		U
156-59-2	cis-1,2-Dichloroethene	96	97	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP45EFF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811940

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR011940C55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 41.7

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	21		U
75-01-4	Vinyl Chloride	42		U
75-00-3	Chloroethane	21		U
75-09-2	Methylene Chloride	620		U
75-35-4	1,1-Dichloroethene	31		U
75-34-3	1,1-Dichloroethane	21		U
67-66-3	Chloroform	31		U
107-06-2	1,2-Dichloroethane	31		U
71-55-6	1,1,1-Trichloroethane	31		U
56-23-5	Carbon Tetrachloride	42		U
75-27-4	Bromodichloromethane	21		U
10061-01-5	cis-1,3-Dichloropropene	21		U
79-01-6	Trichloroethene	31	43	
124-48-1	Dibromochloromethane	21		U
79-00-5	1,1,2-Trichloroethane	31		U
71-43-2	Benzene	31	880	
10061-02-6	trans-1,3-Dichloropropene	31		U
75-25-2	Bromoform	21		U
127-18-4	Tetrachloroethene	31		U
79-34-5	1,1,2,2-Tetrachloroethane	21		U
108-88-3	Toluene	31	87	
108-90-7	Chlorobenzene	21		U
100-41-4	Ethylbenzene	21	220	
78-87-5	1,2-Dichloropropane	31		U
74-87-3	Chloromethane	42		U
110-75-8	2-chloroethyl vinyl ether	420		U
107-02-8	Acrolein	83		U
107-13-1	Acrylonitrile	100		U
156-60-5	trans-1,2-Dichloroethene	31		U
156-59-2	cis-1,2-Dichloroethene	21	800	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP-6INF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811933

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR011933C55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 32.3

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	16		U
75-01-4	Vinyl Chloride	32		U
75-00-3	Chloroethane	16		U
75-09-2	Methylene Chloride	480		U
75-35-4	1,1-Dichloroethene	24		U
75-34-3	1,1-Dichloroethane	16	18	
67-66-3	Chloroform	24		U
107-06-2	1,2-Dichloroethane	24		U
71-55-6	1,1,1-Trichloroethane	24		U
56-23-5	Carbon Tetrachloride	32		U
75-27-4	Bromodichloromethane	16		U
10061-01-5	cis-1,3-Dichloropropene	16		U
79-01-6	Trichloroethene	24	520	
124-48-1	Dibromochloromethane	16		U
79-00-5	1,1,2-Trichloroethane	24		U
71-43-2	Benzene	24		U
10061-02-6	trans-1,3-Dichloropropene	24		U
75-25-2	Bromoform	16		U
127-18-4	Tetrachloroethene	24		U
79-34-5	1,1,2,2-Tetrachloroethane	16		U
108-88-3	Toluene	24		U
108-90-7	Chlorobenzene	16		U
100-41-4	Ethylbenzene	16		U
78-87-5	1,2-Dichloropropane	24		U
74-87-3	Chloromethane	32		U
110-75-8	2-chloroethyl vinyl ether	320		U
107-02-8	Acrolein	65		U
107-13-1	Acrylonitrile	81		U
156-60-5	trans-1,2-Dichloroethene	24	66	
156-59-2	cis-1,2-Dichloroethene	16	680	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP-6EFF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811932

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R11932C55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 17.9

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	9		U
75-01-4	Vinyl Chloride	18		U
75-00-3	Chloroethane	9		U
75-09-2	Methylene Chloride	270		U
75-35-4	1,1-Dichloroethene	13		U
75-34-3	1,1-Dichloroethane	9		U
67-66-3	Chloroform	13		U
107-06-2	1,2-Dichloroethane	13		U
71-55-6	1,1,1-Trichloroethane	13		U
56-23-5	Carbon Tetrachloride	18		U
75-27-4	Bromodichloromethane	9		U
10061-01-5	cis-1,3-Dichloropropene	9		U
79-01-6	Trichloroethene	13	170	
124-48-1	Dibromochloromethane	9		U
79-00-5	1,1,2-Trichloroethane	13		U
71-43-2	Benzene	13		U
10061-02-6	trans-1,3-Dichloropropene	13		U
75-25-2	Bromoform	9		U
127-18-4	Tetrachloroethene	13		U
79-34-5	1,1,2,2-Tetrachloroethane	9		U
108-88-3	Toluene	13		U
108-90-7	Chlorobenzene	9		U
100-41-4	Ethylbenzene	9		U
78-87-5	1,2-Dichloropropane	13		U
74-87-3	Chloromethane	18		U
110-75-8	2-chloroethyl vinyl ether	180		U
107-02-8	Acrolein	36		U
107-13-1	Acrylonitrile	45		U
156-60-5	trans-1,2-Dichloroethene	13	20	
156-59-2	cis-1,2-Dichloroethene	9	380	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP-7INF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811934

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R11934C55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 2.9

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	1		U
75-01-4	Vinyl Chloride	3	6	
75-00-3	Chloroethane	1	9	
75-09-2	Methylene Chloride	44		U
75-35-4	1,1-Dichloroethene	2		U
75-34-3	1,1-Dichloroethane	1	5	
67-66-3	Chloroform	2		U
107-06-2	1,2-Dichloroethane	2		U
71-55-6	1,1,1-Trichloroethane	2		U
56-23-5	Carbon Tetrachloride	3		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	2	3	
124-48-1	Dibromochloromethane	1		U
79-00-5	1,1,2-Trichloroethane	2		U
71-43-2	Benzene	2		U
10061-02-6	trans-1,3-Dichloropropene	2		U
75-25-2	Bromoform	1		U
127-18-4	Tetrachloroethene	2		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
108-88-3	Toluene	2		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	3	
78-87-5	1,2-Dichloropropane	2		U
74-87-3	Chloromethane	3		U
110-75-8	2-chloroethyl vinyl ether	29		U
107-02-8	Acrolein	6		U
107-13-1	Acrylonitrile	7		U
156-60-5	trans-1,2-Dichloroethene	2	3	
156-59-2	cis-1,2-Dichloroethene	1	57	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SUMP-8INF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811935

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR011935C55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	0.5		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	0.5		U
75-09-2	Methylene Chloride	15		U
75-35-4	1,1-Dichloroethene	0.8		U
75-34-3	1,1-Dichloroethane	0.5		U
67-66-3	Chloroform	0.8		U
107-06-2	1,2-Dichloroethane	0.8		U
71-55-6	1,1,1-Trichloroethane	0.8		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
79-01-6	Trichloroethene	0.8	10	
124-48-1	Dibromochloromethane	0.5		U
79-00-5	1,1,2-Trichloroethane	0.8		U
71-43-2	Benzene	0.8		U
10061-02-6	trans-1,3-Dichloropropene	0.8		U
75-25-2	Bromoform	0.5		U
127-18-4	Tetrachloroethene	0.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
108-88-3	Toluene	0.8		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
78-87-5	1,2-Dichloropropane	0.8		U
74-87-3	Chloromethane	1		U
110-75-8	2-chloroethyl vinyl ether	10		U
107-02-8	Acrolein	2		U
107-13-1	Acrylonitrile	2		U
156-60-5	trans-1,2-Dichloroethene	0.8		U
156-59-2	cis-1,2-Dichloroethene	0.5	23	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP14INF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811938

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN011938A55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/16/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 10.9

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	5		U
75-01-4	Vinyl Chloride	11		U
75-00-3	Chloroethane	5		U
75-09-2	Methylene Chloride	160		U
75-35-4	1,1-Dichloroethene	8	11	
75-34-3	1,1-Dichloroethane	5	87	
67-66-3	Chloroform	8		U
107-06-2	1,2-Dichloroethane	8		U
71-55-6	1,1,1-Trichloroethane	8	280	E
56-23-5	Carbon Tetrachloride	11		U
75-27-4	Bromodichloromethane	5		U
10061-01-5	cis-1,3-Dichloropropene	5		U
79-01-6	Trichloroethene	8		U
124-48-1	Dibromochloromethane	5		U
79-00-5	1,1,2-Trichloroethane	8		U
71-43-2	Benzene	8		U
10061-02-6	trans-1,3-Dichloropropene	8		U
75-25-2	Bromoform	5		U
127-18-4	Tetrachloroethene	8		U
79-34-5	1,1,2,2-Tetrachloroethane	5		U
108-88-3	Toluene	8		U
108-90-7	Chlorobenzene	5		U
100-41-4	Ethylbenzene	5		U
78-87-5	1,2-Dichloropropane	8		U
74-87-3	Chloromethane	11		U
110-75-8	2-chloroethyl vinyl ether	110		U
107-02-8	Acrolein	22		U
107-13-1	Acrylonitrile	27		U
156-60-5	trans-1,2-Dichloroethene	8		U
156-59-2	cis-1,2-Dichloroethene	5	10	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP14INFRE

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811938

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R11938C55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 14.7

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	7		U
75-01-4	Vinyl Chloride	15		U
75-00-3	Chloroethane	7		U
75-09-2	Methylene Chloride	220		U
75-35-4	1,1-Dichloroethene	11		U
75-34-3	1,1-Dichloroethane	7	48	D
67-66-3	Chloroform	11		U
107-06-2	1,2-Dichloroethane	11		U
71-55-6	1,1,1-Trichloroethane	11	120	D
56-23-5	Carbon Tetrachloride	15		U
75-27-4	Bromodichloromethane	7		U
10061-01-5	cis-1,3-Dichloropropene	7		U
79-01-6	Trichloroethene	11		U
124-48-1	Dibromochloromethane	7		U
79-00-5	1,1,2-Trichloroethane	11		U
71-43-2	Benzene	11		U
10061-02-6	trans-1,3-Dichloropropene	11		U
75-25-2	Bromoform	7		U
127-18-4	Tetrachloroethene	11		U
79-34-5	1,1,2,2-Tetrachloroethane	7		U
108-88-3	Toluene	11		U
108-90-7	Chlorobenzene	7		U
100-41-4	Ethylbenzene	7		U
78-87-5	1,2-Dichloropropane	11		U
74-87-3	Chloromethane	15		U
110-75-8	2-chloroethyl vinyl ether	150		U
107-02-8	Acrolein	29		U
107-13-1	Acrylonitrile	37		U
156-60-5	trans-1,2-Dichloroethene	11		U
156-59-2	cis-1,2-Dichloroethene	7	8	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SUMP15INF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811939

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN011939A55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/16/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	0.5		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	0.5		U
75-09-2	Methylene Chloride	15		U
75-35-4	1,1-Dichloroethene	0.8		U
75-34-3	1,1-Dichloroethane	0.5		U
67-66-3	Chloroform	0.8		U
107-06-2	1,2-Dichloroethane	0.8		U
71-55-6	1,1,1-Trichloroethane	0.8		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
79-01-6	Trichloroethene	0.8	2	
124-48-1	Dibromochloromethane	0.5		U
79-00-5	1,1,2-Trichloroethane	0.8		U
71-43-2	Benzene	0.8		U
10061-02-6	trans-1,3-Dichloropropene	0.8		U
75-25-2	Bromoform	0.5		U
127-18-4	Tetrachloroethene	0.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
108-88-3	Toluene	0.8		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
78-87-5	1,2-Dichloropropane	0.8		U
74-87-3	Chloromethane	1		U
110-75-8	2-chloroethyl vinyl ether	10		U
107-02-8	Acrolein	2		U
107-13-1	Acrylonitrile	2		U
156-60-5	trans-1,2-Dichloroethene	0.8		U
156-59-2	cis-1,2-Dichloroethene	0.5	1	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

781415EFF

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811941

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR011941C55.D

Level: (low/med) LOW Date Received: ~~00/00/00~~ 7/9/96 SWW 7-23-96

% Moisture: not dec. _____ Date Analyzed: 07/17/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 2.9

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	1		U
75-01-4	Vinyl Chloride	3		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	44	5	J
75-35-4	1,1-Dichloroethene	2		U
75-34-3	1,1-Dichloroethane	1	0.9	J
67-66-3	Chloroform	2		U
107-06-2	1,2-Dichloroethane	2		U
71-55-6	1,1,1-Trichloroethane	2		U
56-23-5	Carbon Tetrachloride	3		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	2	10	
124-48-1	Dibromochloromethane	1		U
79-00-5	1,1,2-Trichloroethane	2		U
71-43-2	Benzene	2		U
10061-02-6	trans-1,3-Dichloropropene	2		U
75-25-2	Bromoform	1		U
127-18-4	Tetrachloroethene	2		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
108-88-3	Toluene	2		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
78-87-5	1,2-Dichloropropane	2		U
74-87-3	Chloromethane	3		U
110-75-8	2-chloroethyl vinyl ether	29		U
107-02-8	Acrolein	6		U
107-13-1	Acrylonitrile	7		U
156-60-5	trans-1,2-Dichloroethene	2		U
156-59-2	cis-1,2-Dichloroethene	1	76	E

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

781415EFFRE

Project: KENOSHA ENGINE Date Sampled: 07/03/96

Lab Code: COMPU Case No.: 32410 SAS No.: SDG No.: 00019

Matrix: (soil/water) WATER Lab Sample ID: 811941

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C3R11941B55.D

Level: (low/med) LOW Date Received: 07/09/96

% Moisture: not dec. _____ Date Analyzed: 07/18/96

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 31.2

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	16		U
75-01-4	Vinyl Chloride	31		U
75-00-3	Chloroethane	16		U
75-09-2	Methylene Chloride	470		U
75-35-4	1,1-Dichloroethene	23		U
75-34-3	1,1-Dichloroethane	16		U
67-66-3	Chloroform	23		U
107-06-2	1,2-Dichloroethane	23		U
71-55-6	1,1,1-Trichloroethane	23		U
56-23-5	Carbon Tetrachloride	31		U
75-27-4	Bromodichloromethane	16		U
10061-01-5	cis-1,3-Dichloropropene	16		U
79-01-6	Trichloroethene	23	78	D
124-48-1	Dibromochloromethane	16		U
79-00-5	1,1,2-Trichloroethane	23		U
71-43-2	Benzene	23		U
10061-02-6	trans-1,3-Dichloropropene	23		U
75-25-2	Bromoform	16		U
127-18-4	Tetrachloroethene	23		U
79-34-5	1,1,2,2-Tetrachloroethane	16		U
108-88-3	Toluene	23		U
108-90-7	Chlorobenzene	16		U
100-41-4	Ethylbenzene	16		U
78-87-5	1,2-Dichloropropane	23		U
74-87-3	Chloromethane	31		U
110-75-8	2-chloroethyl vinyl ether	310		U
107-02-8	Acrolein	62		U
107-13-1	Acrylonitrile	78		U
156-60-5	trans-1,2-Dichloroethene	23		U
156-59-2	cis-1,2-Dichloroethene	16	540	D