EXISTING PROFILE EXTENSION
REQUEST NO. 4
CHRYSLER CORPORATION, KENOSHA
ENGINE PLANT PROPERTY

PREPARED FOR:

CHRYSLER CORPORATION
5555 30TH AVENUE
KENOSHA, WISCONSIN 53147

PREPARED BY:

TRIAD ENGINEERING INCORPORATED
325 E. CHICAGO STREET
MILWAUKEE, WI 53202

TRIAD ENGINEERING INCORPORATED PROJECT NO. W963873.EP1

JUNE 1996

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June 27, 1996

Ms. Barbara Schmitt
Site Consultant
Pheasant Run Recycling and Disposal Facility (RDF)
19414 60th Street
Bristol, WI 53104

Dear Ms. Schmitt:

RE: Existing Profile Extension Request (No. 4)
Chrysler Corporation Kenosha Engine Plant Property
Triad Engineering Project W963873.EP1

This letter was prepared by Triad Engineering Incorporated (Triad) on behalf of Chrysler Corporation (Chrysler) to request a fourth extension to profile MW 28052 for biological treatment and disposal of additional soil generated at the Chrysler Kenosha Engine Plant property. A copy of the profile is contained in Attachment A. Attachment A also includes a letter (*Classification of Excavated Soil*, July 5, 1995) detailing the source and classification of the soil disposed under this profile. Profile MW 28052 originally applied to approximately 20,000 cubic yards (yds^3) of affected soil excavated from the Kenosha Engine Plant property. An additional volume (approximately 127,000 yds^3) of soil, excavated from the Engine Plant and former Main Plant, was added to this profile, as requested by Triad in *Existing Profile Extension Request* letters dated August 17, 1995, September 1, 1995, October 4, 1995, February 2, 1996, and March 19, 1996. These letters are also included in Attachment A. The excavation locations associated with the profile are shown on Figure 1.

Chrysler would like to add soil from three additional locations to the existing profile described above. The additional excavation locations and estimated volumes are shown on Figure 1 and are listed below.

- Additional Buildings 38/39 floor and hydromation process tank excavations (approximately 10,000 yds^3).
- 2.7L Block Line Building (Building 65) loading dock and hydromation pits (approximately 5,000 yds^3).
- Buildings 44-B and 44-C floor and hydromation process tank excavations (approximately 5,100 yds^3).

The possible source and general concentrations of constituents detected in soil samples from these locations are similar to the possible sources and detected concentration ranges currently addressed by profile MW 28052. As such, the soil is not considered a listed hazardous waste as identified in NR 605.09, Wisconsin Administrative Code (WAC). In addition, based on available laboratory analytical data, the soil does not

appear to be characteristically hazardous as defined in chapter NR 605.08, WAC. All samples submitted for laboratory analylsis were representative, discreet grab samples collected using GeoProbe™ samplers or a clean hand trowel. Soil pile and excavation samples were collected below a depth of approximately one foot to negate the effects of surface weathering. Additional information regarding possible sources, excavation locations, volumes, and laboratory analytical results for the additional soil is provided in the following sections.

Additional Buildings 38/39 Hydromation Pits.

As described in the *Existing Profile Extension Request No.3*, new hydromation facilities and a 2.7L head assembly line were installed in existing Buildings 38 and 39. Excavation of existing concrete floor and subsurface fill and native material from an approximate 200-by-320-foot area was initiated in February 1996. Proposed excavation depths were approximately three to four feet in more than 97% of the excavation area, and up to 20 feet where two hydromation fluid process tanks (approximate dimensions: 15 feet wide by 35 feet long by 20 feet deep) were installed. The design was expanded in May to include a second 2.7L head assembly line. An additional 10,000 yd^3 of soil are anticipated.

Nine soil samples from the extended excavation area were collected and submitted for volatile organic compound (VOC), gasoline range organic (GRO), and diesel range organic (DRO) analyses. Six of the samples were collected from stockpiled soil, and three of the samples were collected from a 1-to-4-foot depth following floor removal and prior to excavation. A summary of detected constituents and the analytical reports are included in Attachment B. The possible sources of constituents detected is unknown, but is probably consistent with the sources explained in the July 5, 1995, Classification of Excavated soil and subsequent profile extension request letters. Chrysler proposes that soil removed from Buildings 38/39 be directly transported to Pheasant Run RDF's bioremediation facility to avoid additional stockpiling and other logistical problems associated with double-handling excavated soil.

Building 65 Loading Dock and Hydromation Pits

During 1995 a new 2.7L Engine Block Line Building (Building 65) was constructed over the former Building 44 basement. Building 65 also extends south and east of former Building 44. Soil generated during construction of Building 65 and the associated analytical data were included in *Existing Profile Extension Requests No. 1 and No. 3* (August 17, 1995 and February 2, 1996).

During March new truck loading docks were constructed along the east wall of Building 65. In May 1996 construction of new hydromation pits inside Building 65 and two hydromation process tanks adjacent to the north side of the building was initiated. Approximately 5,000 yd^3 of soil are anticipated to be excavated during construction of the Building 65 loading dock and hydromation tank excavations. Twenty soil samples were collected and submitted for VOC, DRO, and GRO analyses. A summary table of detected organic constituents and the analytical reports are included as Attachment C. The possible source of constituents detected in the Building 65 hydromation excavation

soil samples is most likely from migration of constituents in groundwater as described in the first *Existing Profile Extension Request* (August 17, 1995).

Buildings 44-B and 44-C

As part of the Kenosha Engine Plant expansion and upgrading, portions of Buildings 44-B and 44-C will be reconfigured to facilitate installation of new machining equipment for the 2.7L Engine Line. Approximately 5,100 yds^3 of soil are anticipated to be excavated. Activities will include excavation of the floor in Buildings 44-B and 44-C and construction of a new hydromation system. An investigation was performed on April 25 and 26, 1996, to preliminarily characterize soil in the proposed excavation area. Fifteen samples were analyzed for VOCs, DRO, and GRO. In addition, two samples were submitted for Waste Management of Wisconsin (WMWI) Protocol B analysis. Constituents detected in Buildings 44-B and 44-C samples are summarized on a table included in Attachment D. Analytical reports are also included in Attachment D. The definite source of constituents detected in the soil samples is unknown, but it is probably consistent with the sources described in the July 5, 1995, *Classification of Excavated Soil* letter (Attachment A). Buildings 44-B and 44-C were previously used as a tooling area for die repair and testing. Most recently these buildings were used as storage areas.

Conclusion

As discussed above, possible sources of constituents detected in site soil samples from soil to be treated/disposed are similar or identical to the sources of constituents detected in soil previously disposed under Profile MW 28052. As such, Chrysler concludes that the spilled compounds were not clearly listed wastes, as applicable. Therefore, the soil does not contain listed hazardous waste and cannot be classified as hazardous. Therefore, unless additional analytical data indicate the soil is hazardous by characteristic, it should be managed under the Wisconsin Spills Law (s. 144.76) and corresponding regulations (NR 700 series, WAC).

We request approval from you to include the above-mentioned soil in Profile MW 28052 in order to expedite renovation activities at the Chrysler Kenosha Engine Plant Facility. If you have any questions, please do not hesitate to call.

Sincerely,

TRIAD ENGINEERING INC.

Ross M. Creighton, P.G.
Project Manager

TRIAD ENGINEERING INC.

Richard J. Binder, P.G., CGWP
Senior Hydrogeologist

c: Pamela A. Mylotta – Wisconsin Department of Natural Resources
Curt Chapman – Chrysler Pollution Prevention and Remediation
Jack Bugno – Chrysler Pollution Prevention and Remediation

mao\W963873EP-1.A

324-28-1
1-31-96

PARKING LOT-P1
PARKING LOT-P
OTHERS
PARKING LOT-O
PARKING LOT N
PARKING LOT-L
PARKING LOT K
30th. AVE.
MW-1 (ABANDONED)
MW-2
MW-46
TANK 9
MW-47
ENGINE PLANT PROPERTY
SOUTH SEWER
FIRE MAIN
NEW BUILDING 65
FORMER BASEMEN
MW-11C (ABANDONED)
MW-26
MW-40
MW-41
MW-29
MW-38
OW-3
OW-4
OW-5
SUMP 5
MW-29A
SUMP 5A
MW-37
MW-35B
MW-30
SUMP 5B
MW-34R
LOT C SEWER
SUMP 4
SUMP 5C
MW-10
MW-36A
MW-31
MW-11D (ABANDONED)
MW-12
SUMP-9
MW-11
MW-11A
MW-8A
60th STREET
52nd. STREET
MW-23
MW-18A
MW-18B
SUMP-15
MW-18D
MW-21A
MW-21
SUMP-10
MW-19
SVE WELLS
MW-25
SVE WELL
MW-45
LOT B SEWER
SUMP-12
SUMP-13
EAST TRENCH
SUMP-11
AREA 2
MW-18C
SUMP-14
SUMP-8
MW-20
MW-18
MW-16A
MW-16
SUMP-7
SUMP-2
MW-43
MW-14
AREA 1
AREA 3
SEWER
MW-11B
MW-27B
LOT D
MW-27C
OW-6
MW-27
MW-28
26th. AVE.
SUMP-6
OW-7
MW-27D
PARKING LOT-D
54th. ST
MW-27E
PARKING LOT-F
53rd. ST
PARKING LOT-H
SOUTH AREA
NORTH AREA
NORTH
APPROXIMATE SCALE IN FEET
0
300
600

LEGEND

- BUILDING 19B HYDROMATION, BUILDING 53 COMPRESSOR ROOM AND SOUTH OIL RECYCLING SLAB EXCAVATION AREAS
- ≈ 20,000 YDS^3 ENGINE PLANT SOIL (PROFILE #28052)
- LOT C AND LOT D STORM SEWER, FIRE MAINS, BASEMENT 44, CAISSON, AND TANK 9 BORING AND TANK REMOVAL SOILS (≈ 80,000 YDS^3)
- CONCEPTUAL CAISSON BORING LOCATIONS
- MAIN PLANT SUMP TRENCH EXCAVATION, BIOTREATABILITY BORING, AND SVE WELL SOILS (≈2,000 YDS^3)
- SOIL EXCAVATED AND LANDFILLED IN 1993, PROFILE #26503 LABELED PARKVIEW RDF, HOWEVER SOIL WAS DISPOSED AT PHEASANT RUN
- BUILDINGS 44B & 44C SLAB, HYDROMATION TANK AND FLUME EXCAVATION AREA
- BUILDING 65 HYDROMATION TANK, FLUME & TRUCK LOADING DOCK EXCAVATIONS (VARIOUS AREAS)
- BUILDING 38 & 39 ADDITIONAL SLAB, HYDROMATION TANK AND FLUME EXCAVATION
- BUILDINGS 38/39 EXCAVATION AREA
- BUILDING 68 EXCAVATION AREA
- BUILDING 65 EXTENSION EXCAVATION AREA
- MW-11B — MONITOR WELL APPROXIMATE LOCATION AND DESIGNATION
- SUMP-3 — RECOVERY SUMP APPROXIMATE LOCATION AND DESIGNATION
- OW-2 — OBSERVATION WELL APPROXIMATE LOCATION AND DESIGNATION
- RECOVERY SYSTEM TRENCH
- 12 — ACTIVE BUILDING / NUMBER
- 12 — DEMOLISHED BUILDING / NUMBER

TRIAD ENGINEERING INCORPORATED

FIGURE 1
CHRYSLER KENOSHA MAIN PLANT
FACILITY LAYOUT

ATTACHMENT A

EXISTING PROFILE,
CLASSIFICATION OF EXCAVATED SOIL, AND
PREVIOUS PROFILE EXTENSION REQUEST LETTERS

MIDWEST REGION

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Waste Profile Sheet Code: MW 28052

Proposed Management Facility: PHEASANT RUN RECYCLING & DISPOSAL FACILITY

This form is to be used to comply with the requirements of a waste agreement.

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED

Decision Expiration Date: / /

WASTE GENERATOR INFORMATION

Generator Name: CHRYSLER CORPORATION - KENOSHA ENGINE PLANT 2. SIC Code: 3711

Facility Address (site of waste generation): 555 30TH AVE

Generator City, State: KENOSHA, WISCONSIN 5. Zip/Postal Code: 53142-2800

State ID #: WI0050269372

Technical Contact: MR JOHN P. BUGNO 8. Phone: (414) 658 . 6000

WASTE STREAM INFORMATION (See Instructions)

Name of Waste: CONTAMINATED SOILS - diesel, gasoline & VOC's (per Ross Cuichlow - Tried - 7-12-95 . 8.5)

Process Generating Waste: SEE ATTACHED LETTER

Amount/Units: ESTIMATED 20,000 CUBIC YARDS 4. Type A ☒ Type B ☐

Special Handling Instructions/Supplemental Information: N/A

Incidental Waste Types and Amounts: N/A

TRANSPORTATION INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Sludge ☒ Bulk Solid ☐ Drum/Box ☐ Other

Supplemental Shipping Information: SOILS WILL BE TRANSPORTED VIA DUMP TRUCKS

PHYSICAL CHARACTERISTICS OF WASTE (See Instructions) (Omit for Type B)

Color	2. Does the waste have a strong incidental odor?	3. Physical State @ 70°F/21°C:	4. Layers	5. Specific Gravity	6. Free Liquids:
BROWN	☒ No ☐ Yes; if so, describe:	☒ Solid ☐ Semi-Solid ☐ Liquid ☐ Powder ☐ Other:	☐ Multi-layered ☐ Bi-layered ☒ Single Phased	Range 1.9 . 2.2	☐ Yes ☒ No Volume: %

pH: ☐ ≤2 ☐ > 2-4 ☐ 4-7 ☐ 7 ☒ 7-10 ☐ 10- <12.5 ☐ ≥12.5 ☐ Range ☐ NA

Flash Point: ☐ None ☐ <140°F/60°C ☐ 140 - 199°F/60 - 93°C ☒ ≥200°F/93°C ☒ Closed Cup ☐ Open Cup

CHEMICAL COMPOSITION (Omit for Type B)

	RANGE (MIN-MAX)
SOILS	≥.99 %
VOCs/DRO/GRO	<0.5 %
METALS	<0.5 %
	- %
	- %
	- %
	- %
	- %
	- %
Total:	100 %

The total composition must be greater than or equal to 100%. (.0001% = 1 ppm or 1 mg/l)

2. Does the waste contain any of the following? (provide concentration if known):

	NO	or LESS THAN	or ACTUAL
PCBs	☐	☒ < 50 ppm	____ ppm
Cyanides	☐	☒ < 50 ppm	____ ppm
Sulfides	☐	☒ < 50 ppm	____ ppm
Phenols	☒	☐ < 50 ppm	____ ppm

F. SAMPLING SOURCE (Omit for Type B) (e.g., Drum, Lagoon, Pit, Pond, Tank, Vat) _____

G. REPRESENTATIVE SAMPLE CERTIFICATION (Omit for Type B)

1. Print Sampler's Name: JEANNE M. RAMPONI 2. Sample Date: 6/21/95

3. Sampler's Title: HYDROGEOLOGIST

Sampler's Employer (if other than Generator): TRIAD ENGINEERING INCORPORATED

Sampler's signature certifies that any sample submitted is representative of the waste described above pursuant to 40 CFR 261.20(c) or equivalent rules.

5. Sampler's Signature Jeanne Rampi

H. GENERATOR CERTIFICATION

By signing this profile sheet, the Generator certifies:

1. This waste is not "Hazardous Waste" as defined by USEPA and/or state regulation.
2. This waste does not contain regulated radioactive materials or regulated concentrations of PCB's (Polychlorinated Biphenyls).
3. The waste does not contain regulated concentrations of the following pesticides and herbicides: Chlordane, Endrin, Heptachlor (and it's epoxide). Lindane, Methoxychlor, Toxaphene, 2, 4-D, or 2, 4, 5-TP (Silvex).
4. The waste does not contain halogenated compounds such as: tetrachloroethylene, trichloroethylene, methylene chloride, 1, 1, 1-trichloroethane, carbon tetrachloride, chloroform, ortho-dichlorobenzene, dichlorodifluoromethane, 1, 1, 2-trichloro-1, 2, 2-trifluoroethane, trichlorofluoromethane 1, 1-dichloroehtylene, and 1, 2-dichloroethylene at greater than 1% (10,000ppm) total solvent concentration. This listing includes any combination of the above named halogenated compounds where the total concentration or the sum of the concentrations of the individual compounds exceed 1% or 10,000 ppm on a weight to weight basis.
5. This sheet and the attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the Generator has been disclosed.
6. The Generator has read and understands the Contractor's Definition of Special Waste included in Part B.5. of the attached instructions form. All types and amounts of special wastes provided in incidental amounts have been identified in section B.6. of this form.
7. The analytical data presented herein or attached hereto were derived from testing a representative sample taken in accordance with 40 CFR 261.20(c) or equivalent rules.
8. If any changes occur in the character of the waste, the Generator shall notify the Contractor prior to providing the waste to the Contractor.

Signature John P Bugno 10. Title SITE ADMINISTRATOR/WISCONSIN OPERATIONS

Name (Type or Print) JOHN P. BUGNO 12. Date 7/11/95

NOTE: Omit sections D., E., F., and G., for Type B waste.

Comments:

CHRYSLER CORPORATION

Chrysler Corporation
Featherstone Road Center

July 5, 1995

Ms. Pamela A. Mylotta
Environmental Repair Project Manager
State of Wisconsin Department of Natural Resources
4041 N. Richards Street
P.O. Box 12436
Milwaukee, WI 53212

RE: Classification of Excavated Soils
Chrysler Corporation – Kenosha Engine Plant
Kenosha, Wisconsin

Dear Ms. Mylotta:

Per your request, this letter has been prepared to document that soils excavated from the Kenosha Engine Plant facility, and described herein, are not listed hazardous wastes as defined under Wisconsin Statute Section 144 and implemented under Chapters NR 600 et al., Wisconsin Administrative Code (WAC). We request your concurrence in order to assess appropriate disposal/treatment options for the soils. Background and source evaluation information is provided in the following sections. Supporting documentation is provided as attachments.

BACKGROUND

Based on available information, approximately 20,000 cubic yards of soils were generated during excavation activities conducted during upgrading of assembly lines and manufacturing areas at the Kenosha Engine Plant. The excavated soils are from the unsaturated and saturated zones. These soils came primarily from the following four locations in the Engine Plant: (1) the modified oil recycling building slab (located north of Building 29C, (2) building 31, (3) Building 23/23A, and (4) Building 53 (Figure 1). The soils were moved to the area of former Buildings 10, 10A, 11, 15B, and 15. This area is currently paved. The soil piles were subsequently divided into 300-yard parcels and individually described and characterized via field screening and laboratory analysis of discreet samples for volatile organic compounds (VOCs; EPA Method 8260), gasoline range organics (GRO; Wisconsin DNR Modified GRO Method), diesel range organics (DRO; Wisconsin DNR Modified GRO Method), and select metals (EPA SW 846 Methods). An evaluation of remedial disposal and treatment options including soil sampling methodologies will be submitted under separate cover at a later date. The approximate size, location, and classifications of the resulting soil piles are depicted on Figures 2 through 4.

2301 Featherstone Road
Auburn Hills MI 48326-2808

Chrysler Corporation
Featherstone Road Center

A summary of detected constituents in site soil samples is presented in Tables 1 and 2. Detected constituents include tetrachloroethene (PCE), trichloroethene (TCE), and related breakdown products. Depending on its origin, PCE and TCE may be classified as listed wastes. In order to evaluate soil disposal and/or treatment options, Chrysler reviewed available information to assess the source of the release. The evaluation included conducting interviews with Chrysler personnel and reviewing plant records.

SOURCE EVALUATION

The most likely sources of PCE and TCE may be paint booths that were formerly located along the wall between Buildings 38 and 53, a bulk cleaning fluid storage area formerly located at Building 36, and above-ground paint supply lines from a paint mixing area located in Building 40A. Available information does not indicate the use of PCE near the other excavation areas. Additional Remedial Investigation to evaluate the extent of possible historical releases in these areas is underway.

The paint booths were active from approximately 1946 to 1986. Prior to paint application, metal parts were degreased using various PCE and TCE products. There are no records of spent materials being spilled in the area.

The fluid storage area was used from 1946 to 1988. Reportedly, PCE and TCE may have been spilled during transportation of drums from one area to another. Drums of solvents were stored in Building 36 and transported to other areas via pallets and forklifts. Drums may have leaked during loading and unloading operations. Small amounts of product left in used drums which were not sold may also have been a source of PCE and TCE.

The paint product line was used from approximately 1946 to 1986. Bulk storage of cleaning and paint viscosity adjusting solvents occurred in the area of the former tank farm located at the north end of the Engine Plant. Paint mixing was performed near the test cell area in former Building 40A. As you are aware, Remedial Investigation has been completed in this area. Remedial action, including groundwater recovery/treatment is ongoing. The mixed paint was then transported to the paint booths through several buildings via an above-ground piping system. Excess paint was also piped through the above-ground system back to former Building 40A for reuse. PCE and TCE, mixed with paint, may have been released through accidental discharges or leaks in the piping system. Based on interviews with employees, occasional leaks in PCE/TCE supply lines and occasional overflow from product tanks during filling operations may have occurred.

Chrysler Corporation
Featherstone Road Center

It should be noted that Chrysler recognizes its responsibility under NR 600, WAC, to determine whether the soils exhibit hazardous characteristics. If the soils exhibit hazardous characteristics, then they must be handled as characteristic hazardous waste. The soil characterization will be completed prior to submitting the remedial disposal/treatment options analysis.

CONCLUSION

As discussed above, there are a number of potential sources of PCE, TCE, and their breakdown products detected in soil samples from the soil piles. As such, Chrysler concludes that the spilled solvents were not clearly a listed waste, therefore, the soils do not contain a listed hazardous waste and cannot be classified as hazardous by the mixture rules. The soils contain hazardous substances and, unless additional analytical data indicate the soils are hazardous by characteristic, they should be managed under the Wisconsin spills law (s. 144.76) and corresponding regulations (NR 700 series, WAC).

We request your concurrence in order to assess appropriate treatment/disposal options for the soils. I trust this information meets your needs. If you have any questions or comments, please do not hesitate to call.

Sincerely,

CHRYSLER CORPORATION

Gregory M. Rose

W943324\943324.21\943324-B

cc: Curt Chapman/Chrysler
Richard Binder/Triad Engineering

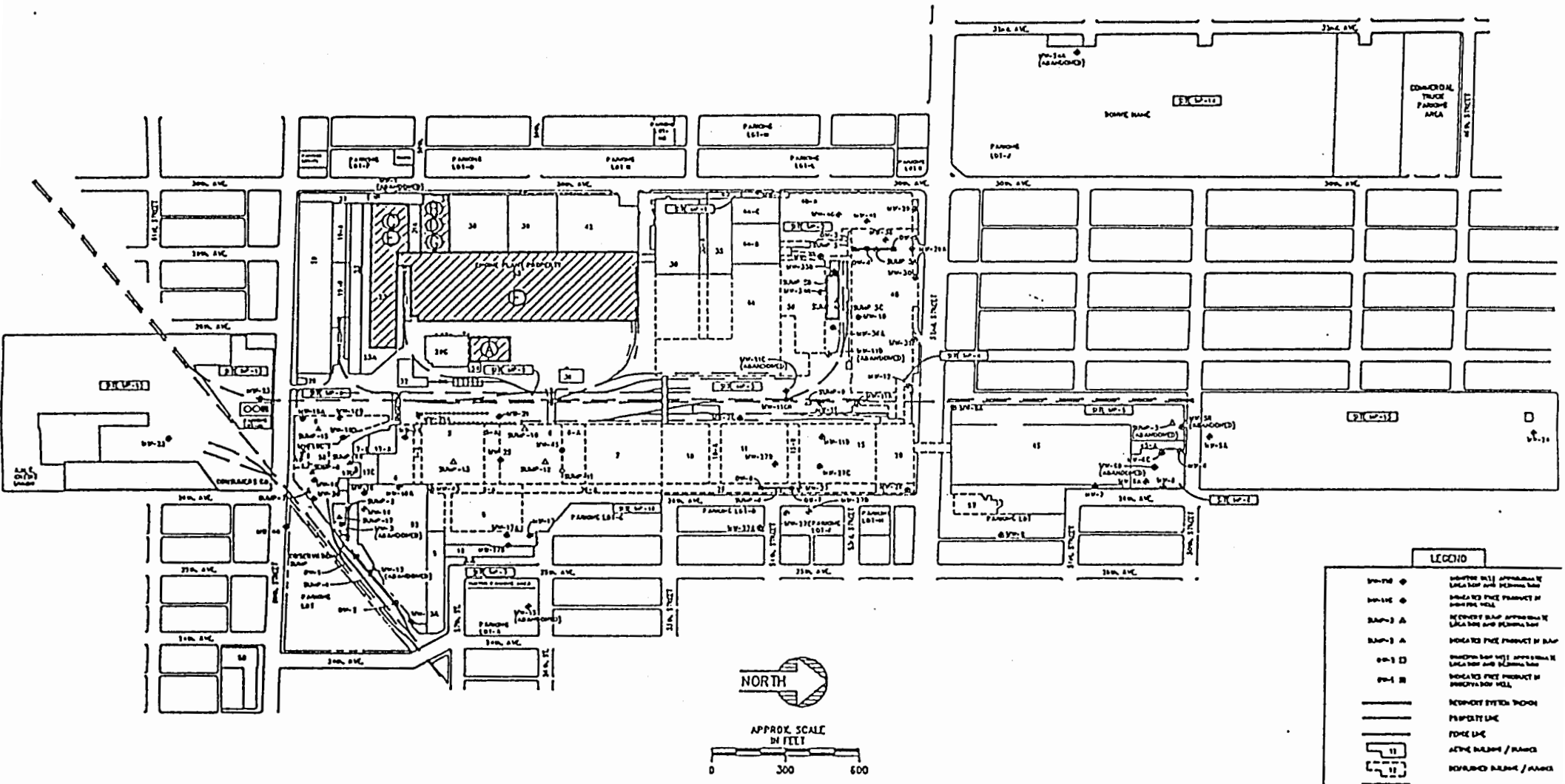

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FIGURE 1
CHRYSLER KENOSHA ENGINE AND MAIN PLANT FACILITY LAYOUT

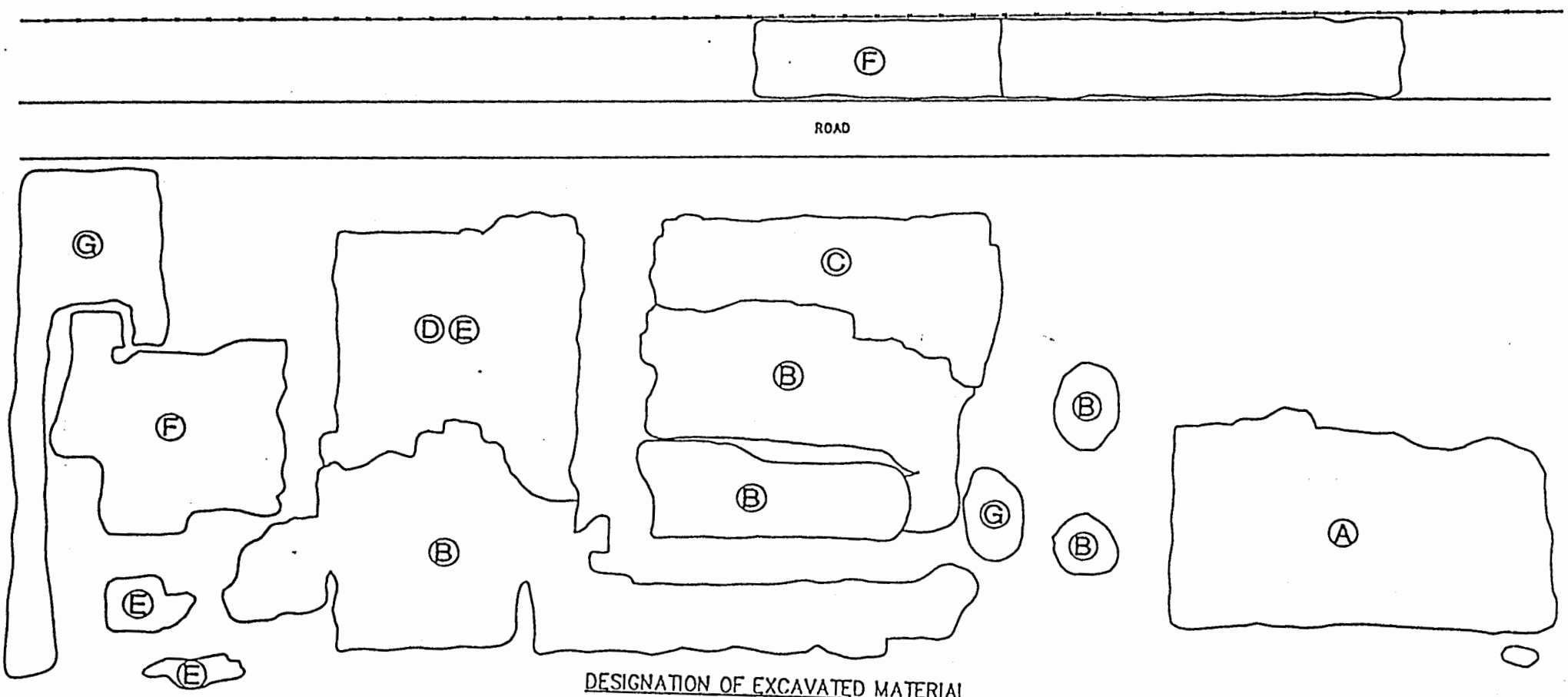

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FIGURE 2
CHRYSLER KENOSHA ENGINE AND MAIN PLANT SOIL PILE DESIGNATIONS

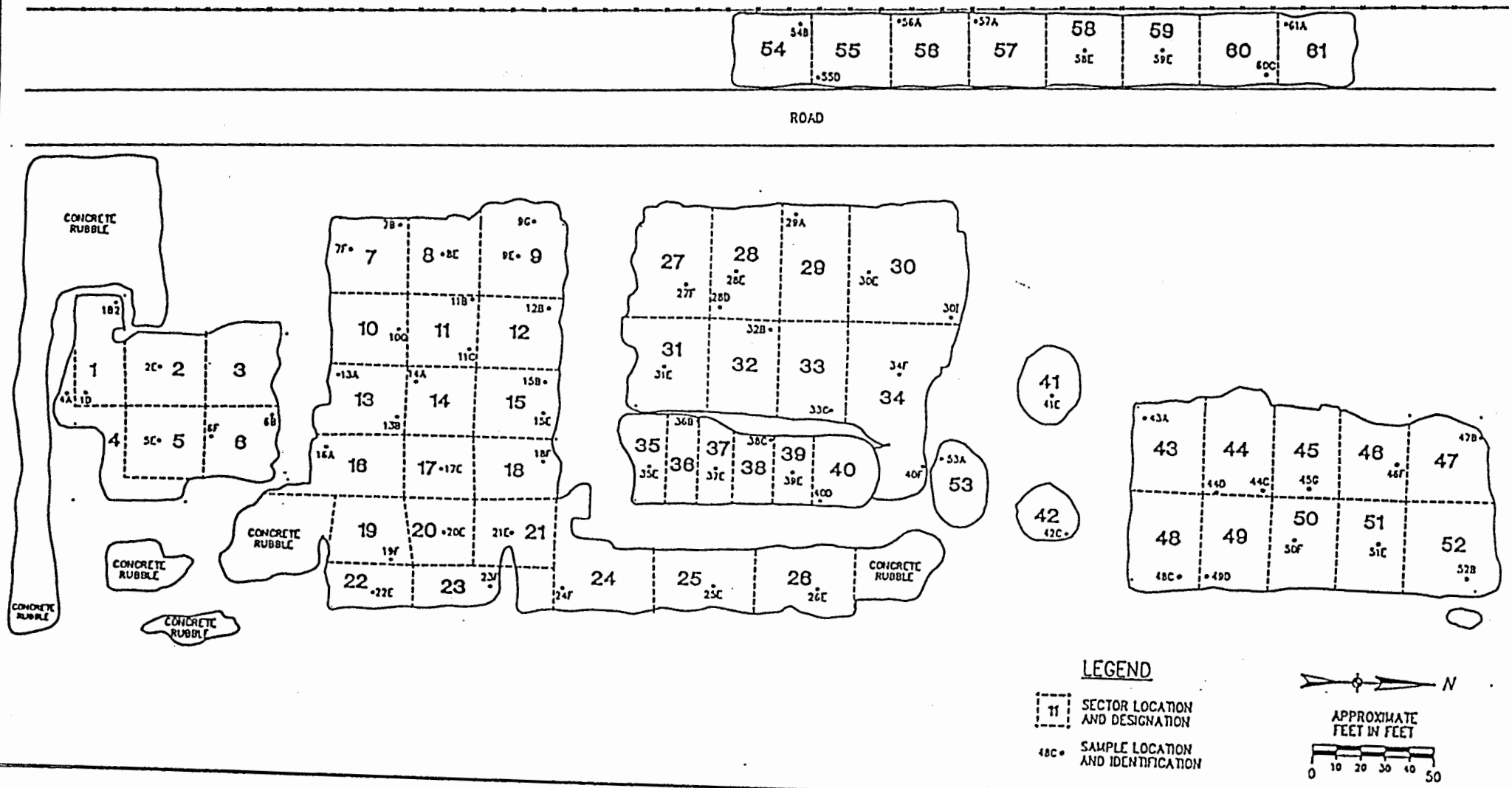

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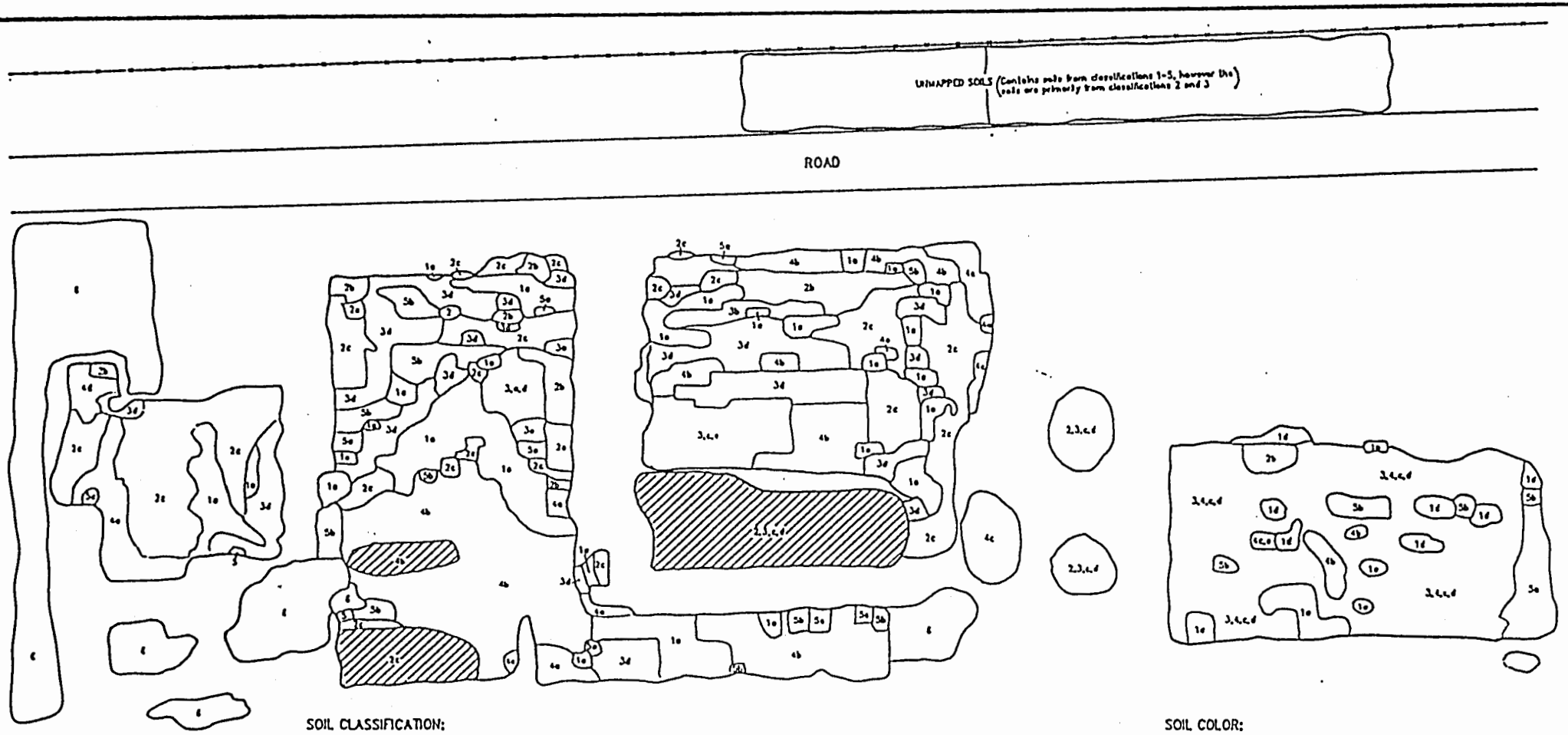
FIGURE 3
CHRYSLER KENOSHA ENGINE AND MAIN PLANT
SOIL PILE SECTORS AND SAMPLE LOCATIONS



LEGEND

AREAS APPROXIMATELY 8 TO 10 FEET HIGH, ALL OTHER AREAS ARE APPROXIMATELY 5 FEET HIGH

SOIL CLASSIFICATION:

1 = FINE SAND - SILTY, FINE GRAINED, WELL SORTED SANDS, MAY CONTAIN ANGULAR, DOLOMITIC, FINE GRAINED GRAVELS.

2 = SILTY SAND AND GRAVEL - SILTY SAND, SOME FOUNDRY SLAGS, FEW GRAVELS, FEW BAKED FOUNDRY SANDS FINE TO COARSE GRAVEL SIZE.

3 = CLAY LUMPS, SILTS AND SANDS - SOME CLAY LUMPS MIXED WITH SILTS, SANDS, TRACE TO FEW GRAVELS AND TRACE WOOD FRAGMENTS.

4 = SILTY CLAYEY SANDS - SILTY SANDS/SANDY SILTS, TRACE TO FEW CLAYS, TRACE TO FEW GRAVELS, MAY CONTAIN RUSTY NAILS, TRACE WOOD, TRACE BRICKS AND TRACE TO FEW FOUNDRY MATERIALS.

5 = SAND AND GRAVEL - SILTY SANDS MIXED WITH SOME ANGULAR, DOLOMITIC, FINE GRAINED GRAVELS.

6 = CONCRETE RUBBLE

SOIL COLOR:

a = LIGHT BROWN

b = BROWN

c = RUSTY BROWN

d = BROWNISH GREY

e = DARK BROWN/BLACK

N

APPROXIMATE FEET IN FEET

0 10 20 30 40 50

TRIAD ENGINEERING INCORPORATED

FIGURE 4
CHRYSLER KENOSHA ENGINE AND MAIN PLANT
SOIL CLASSIFICATIONS

TABLES

SOIL PILE [redacted] RIZATION
SUMMARY OF DETECTED VO[illegible]ANIC COMPOUNDS IN SOILS
CHRYSL[illegible]ORATION
KENOSHA MAIN PLANT, KENOSHA, WISCONSIN

SAMPLE I.D.	DATE COLLECTED	U.S. EPA METHOD	LAB IDENTIFICATION	SAMPLE RESULTS (in micrograms per kilogram) BENZENE	n-BUTYLBENZENE	sec-BUTYLBENZENE	tert-BUTYLBENZENE	CHLOROBENZENE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	cis-1,2-DICHLOROETHENE	trans-1,2-DICHLOROETHENE	ETHYL BENZENE	HEXACHLOROBUTADIENE	ISOPROPYLBENZENE	p-ISOPROPYLTOLUENE	METHYLENE CHLORIDE	METHYL TERT BUTYL ETHER	NAPHTHALENE	n-PROPYL BENZENE	TETRACHLOROETHENE	TOLUENE	1,2,3-TRICHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHENE	1,2,4-TRIMETHYLBENZENE	1,3,5-TRIMETHYLBENZENE	VINYL CHLORIDE	m & p-XYLENE	o-XYLENE	DRO (mg/kg)	GRO (mg/kg)
1D	3/30/95	8260A	50403020	<5	16	<5	<5	<5	<5	<5	<5	<5	<5	<5	120	<5	<5	<5	<5	<5	<5	<50	<5	<5	7.9	10	<5	<5	<5	5.3	420	35	<5	<5	<10	<5	24	<10
1D2	3/30/95	8260A	50403024	42	<5	<5	<5	<5	19	61	68	<5	<5	<5	1100*	<5	<5	<5	<5	11	<5	<50	<5	<5	6.5	7.2	<5	<5	42	<5	150	8.4	<5	<5	<10	<5	<10	<10
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SAMPLE I.D.	DATE COLLECTED	U.S. EPA METHOD	LAB IDENTIFICATION[b]	SAMPLE RESULTS (in micrograms per kilogram)																																		
				BENZENE	n-BUTYLBENZENE	sec-BUTYLBENZENE	tert-BUTYLBENZENE	CHLOROBENZENE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	cis-1,2-DICHLOROETHENE	trans-1,2-DICHLOROETHENE	ETHYL BENZENE	HEXACHLOROBUTADIENE	ISOPROPYLBENZENE	p-ISOPROPYLTOLUENE	METHYLENE CHLORIDE[c]	METHYL TERT BUTYL ETHER	NAPHTHALENE	n-PROPYL BENZENE	TETRACHLOROETHENE	TOLUENE	1,2,3-TRICHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHENE	1,2,4-TRIMETHYLBENZENE	1,3,5-TRIMETHYLBENZENE	VINYL CHLORIDE	m & p-XYLENE	o-XYLENE	DRO (mg/kg)	GRO (mg/kg)
54B	5/9/95	8260A	50510035	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	1100	14
55D	5/9/95	8260A	50510036	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	11	13
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61A	5/9/95	8260A	60510042	<6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	21	21
MeOH Blank	3/30/95	NA	50403027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10
MeOH Blank	5/9/95	8260A	50510043	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10

The analyte concentration was found to be outside of the established linear range of quantitation for this compound. The reported value is an approximation only.

) Analysis Performed by Midwest Analytical Services, Inc., (MAS), Metropolitan Center for High Technology, 2727 Second Avenue, Detroit, Michigan 48201 (WDNR Lab Id No. 999941580).

) Detected methylene chloride concentrations are not believed to be representative of actual soil samples. VOC soil samples were inadvertently packaged and shipped with DRO soil samples which had been preserved with methylene chloride. It is believed that the VOC soil samples were contaminated with methylene chloride during shipping.

NA - Not Analyzed

TABLE 2
SOIL PILE CHARACTERIZATION
SUMMARY OF DETECTED METALS IN SOIL
CHRYSLER CORPORATION
KENOSHA MAIN PLANT, KENOSHA, WISCONSIN

SAMPLE I.D.	DATE COLLECTED	LAB IDENTIFFCATION[1]	TOTAL METALS (milligrams per kilogram)							
			ARSENIC	BARIUM	CADMIUM	CHROMIUM	LEAD	MERCURY	SELENIUM	SILVER
4A	3/30/95	50403023	3.7	283	0.61	77	2260	<0.10	<0.50	<0.50
8E	4/5/95	50407051	1.1	18	<0.40	4.0	14	<0.10	<0.50	<0.50
19F	4/6/95	50410004	7.1	49	0.55	11	36	<0.10	<0.50	<0.50
35E	4/7/95	50410022	3.5	144	6.4	61	2120	<0.10	<0.50	<0.50
40F	4/7/95	50410028	2	79	<0.40	12	120	<0.10	<0.50	<0.50
53A	4/7/95	50410029	4.5	255	<0.40	13	89	<0.10	<0.50	<0.50
50F	4/10/95	50411012	4.4	198	1.5	93	3110	0.11	<0.50	<0.50
Method			6010A	6010A	6010A	6010A	7420	7471A	7741A	6010A
Method Detection Limit			0.1	1.0	0.40	2.5	0.50	0.10	0.50	0.50
NR 720 Industrial Standards[2]			1.6	NE	510	200	500	NE	NE	NE
U.S. EPA Common Background Range[3]			1-50	100-3000	0.01-0.7	1-1000	2-200	0.01-0.3	0.1-2	0.01-5
U.S. EPA Average[3]			5	430	0.6	100	10	0.03	0.3	0.05

(1) Analysis Performed by Midwest Analytical Services, Inc., (MAS), Metropolitan Center for High Technology, 2727 Second Avenue, Detroit, Michigan 48201 (WDNR Lab Id No. 999041580).

(2) Soil cleanup standards for industrial sites given in Chapter NR 720, Wisconsin Administrative Code.

(3) United States Environmental Protection Agency (U.S. EPA) Office of Solid Waste and Emergency Response, Hazardous Waste Land Treatment, SW-874 (April 1983).

NE - Not Established

TRIAD
ENGINEERING
INCORPORATED

August 17, 1995

Ms. Barbara Schmitt
Site Consultant
Pheasant Run Recycling and Disposal Facility
19414 60th Street
Bristol, WI 53104

RE: Existing Profile Extension Request
Chrysler Corporation Kenosha Engine and Main Plant Properties
Triad Engineering Project W943324.27

Dear Ms. Schmitt:

This letter was prepared by Triad Engineering Incorporated (Triad) on behalf of Chrysler Corporation (Chrysler) to request an extension to either profile MW 28052 or MW 26503 for biological treatment and disposal of additional soil generated at the Chrysler Kenosha Engine and Main Plant properties. A copy of each profile is contained in Attachment A. Profile MW 28052 currently applies to approximately 20,000 cubic yards (yds^3) of affected soil excavated from the Kenosha Engine Plant property. Profile MW 26503 was used for disposal of approximately 2,500 yds^3 of Main Plant property soil in 1993. The excavation locations associated with the profiles are shown on Figure 1.

Chrysler would like to add soil from several additional locations to one of the existing profiles described above. The additional excavation locations are shown on Figure 1 and are listed below.

- Building 53/Tank 9 (approximately 110 yds^3)
- Lot C, Lot D, and Fire Main (approximately 15,000 yds^3)
- Building 44 Basement (approximately 56,000 yds^3)
- 2.7L Engine Block Line Caisson Borings (approximately 2,800 yds^3)
- Main Plant Sump and Trench Excavations (approximately 2,000 yds^3)
- Soil from Main Plant treatability and characterization testing and soil vapor extraction (SVE) well borings (approximately 10 yds^3)

The potential source and general concentrations of constituents detected in soil samples from these locations are similar to the potential sources and detected concentration ranges currently addressed by profiles MW 28052 and MW 26503. As such, the soil is not considered a listed hazardous waste as identified in NR 605.09, Wisconsin Administrative Code (WAC). In addition, based on available laboratory analytical data, the soil does not appear to be characteristically hazardous as defined in chapter NR 605.08, WAC. Additional information regarding potential sources, excavation locations, volumes, and laboratory analytical results for the additional soil is provided in the following sections.

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Building 53/Tank 9

In November 1994, four soil borings were advanced in the vicinity of Tank 9 in Buildings 53 and 39. Approximately 10 cubic yards of soil were generated and placed in drums which were temporarily staged on site. Soil samples were collected from each boring location and analyzed for diesel range organics (DRO), polyaromatic hydrocarbons (PAHs), lead, cadmium, and volatile organic compounds (VOCs). During the week of July 17, 1995, two underground storage tanks (USTs), which formerly contained recirculated water and oil (respectively), were removed from beneath the Building 53 foundation. Approximately 100 yds^3 of soil excavated during the UST removal were stockpiled on-site. Soil samples from the UST excavation were submitted for laboratory analysis for DRO, gasoline range organics (GRO), and VOCs.

A summary table of detected constituents in Building 53/Tank 9 soil samples and laboratory documentation is contained in Attachment B. In general, DRO and low levels of petroleum VOCs were detected in the samples. Following review of the analytical data (Attachment B), the drum contents were emptied onto the Building 53/Tank 9 soil stockpile in early August. The source of constituents detected in the Building 53/Tank 9 soil samples is likely from the UST 9 overflow or accidental spillage, as the tank was in good condition when removed.

Lot C, Lot D, and Fire Main

As part of Engine Plant expansion, two new employee parking lots (C and D) and two fire main trenches were constructed at the Chrysler facility (Figure 1). New storm sewers and catch basins were constructed in each parking lot. Construction of the new storm sewer and fire main trenches generated approximately 15,000 yds^3 of soil. Excavation of the Lot C sewer and the fire main trench were initiated the week of July 3. Lot D sewer excavation was initiated the week of July 17. One soil sample was collected for approximately every 300 yds^3 excavated and submitted for VOC, GRO, and DRO analyses. Three additional samples were collected and submitted for Waste Management of Wisconsin, Inc. (WMWI) Protocol B analysis. Ms. Pamela A. Mylotta of the Wisconsin Department of Natural Resources (WDNR) has concurred with this approach to characterize the soil. Analytical data received to date and a summary table of detected constituents in soil samples are included in Attachment C.

The definite source of constituents detected in Lot C sewer excavation soil samples is unknown, but is probably consistent with the sources described in the July 5, 1995 *Classification of Excavated Soil* letter addressed to Ms. Pamela Mylotta at the WDNR (see profile MW 26503; Attachment A). The Lot C sewer excavation is located immediately north of the former UST farm in the vicinity of active groundwater recovery systems at Sumps 4 and 5 and east of the former paint mixing and distribution area in Building 40A. Soil from this area was previously disposed in 1993 under profile MW 28052.

The source of constituents detected in fire main trench soil samples is unknown, but may be due to inadvertent spills associated with unloading bulk virgin product from railroad cars or migration from other areas along the water table. The fire main excavation is located between several former railroad lines.

The Lot D sewer excavation is located on Main Plant property in the vicinity of former Buildings 10, 10A, 11, 15B, and 15. Former manufacturing activities in this area included painting operations and gasoline distribution. The exact source of VOC, DRO, and GRO constituents detected in Lot D sewer excavation soil samples is unknown, but may be due in part to migration of constituents at the water table.

Former Building 44 Basement

Expansion activities at the Chrysler site also included the excavation of the former Building 44 basement. The basement was backfilled with construction debris and fill material during 1990 Main Plant deactivation and building demolition. Materials were excavated from within the basement and replaced with engineered backfill to meet construction specifications for the new 2.7L Engine Block Line Building. Approximately 56,000 yds^3 of excavation material were generated between July 24 and August 14. It was estimated that approximately one-fourth of the material consists of concrete which will be recycled.

The backfill material was preliminarily characterized during installation of 8 sump excavations. The sumps were installed to facilitate dewatering the basement during backfill replacement. One soil sample was collected from both the unsaturated and saturated zones of each sump excavation. Soil samples were submitted for VOC, DRO, GRO, and polychlorinated biphenol (PCB) analyses (16 samples total) and the saturated soil samples (8 total) were also submitted for WMWI Protocol B analysis. A summary table of detected constituents and analytical results received to date is presented in Attachment D. Based on these results, relatively low concentrations of GRO, DRO, and VOCs were generally detected in the former Building 44 basement backfill material soil samples. No WMWI Protocol B parameters were detected at concentrations in excess of landfill acceptance limits. The potential source of the VOC, GRO, and DRO concentrations detected in Building 44 basement soil samples is most likely from migration within the water table.

Soil samples were generally collected from the backhoe bucket every 15 minutes during excavation activities and field-screened using a PID to evaluate whether removed backfill has chemical characteristics similar to the preliminary characterization samples. If significantly affected soil was observed (PID measurements in excess of 300 instrument units [i.u.]), the associated backfill was stockpiled separately and additional soil samples were collected and submitted to the project laboratory for characterization. In addition to the PID screenings, one soil sample was collected daily from the backfill material. Ms. Pamela A. Mylotta of the WDNR has concurred with this approach to characterize the soil. Additional analytical results from the Building 44 basement soil sampling will be submitted in an addendum to this letter.

New 2.7L Block Line Building Caisson Borings

The perimeter of the building will extend beyond the walls of the former Building 44 basement. As such, anticipated construction activities include the installation of 90 caissons and associated spread footings. Excavation began on July 17. Soil excavated for installation of these caissons and footings is being stockpiled and sampled at frequency of approximately one sample per every 300 yds^3. Approximately 800 yds^3 are anticipated to be generated from the caissons and approximately 2,000 yds^3 from the footings. Triad will forward the data to

Pheasant Run RDF as they become available for insertion into Attachment E. The potential source(s) of constituents detected in caisson soil samples would be consistent with those described in the July 5, 1995, Classification-of-Excavated-Soil letter addressed to Ms. Pamela A. Mylotta at the WDNR (see Profile 26503; Attachment A).

Main Plant Sump and Trench Excavations

Excavation activities were performed in the south portion of the Kenosha Main Plant property as part of the installation of groundwater recovery and treatment systems during 1994. These activities included installation of eight groundwater sumps and utility trenches. Approximately 1,500 to 2,000 yds^3 of soil remain stockpiled on the site. Two soil samples (one saturated and one unsaturated) were collected from each recovery sump location to characterize the excavated soil. Soil samples were also collected from trenches (all unsaturated) associated with additional sewer and recovery system utility installation (the Lot B sewer trench, and the East Trench, located near sumps 10 and 12, respectively). A summary table of detected constituents in sump and trench soil samples and laboratory data are included in Attachment F. GRO, DRO, and VOCs were detected in the soil samples collected from the sump and trench excavations. WMWI Protocol B analyses were completed on soil samples from the associated stockpile. The soil samples were labeled "TCE Pile." No Protocol B constituents were detected at concentrations which exceeded landfill acceptance limits.

Several potential sources for constituents detected in soil samples from Areas 1, 2, and 3 include the following. Bulk heating oil was historically stored south of 60th Street and in aboveground storage tanks (ASTs) located in a former basement of former Building 6 adjacent to Sump 8. Inadvertent overfills and damage to bulk distribution lines may have caused releases of heating oil in Areas 1 and 2. Area 3 is located at the south end of a former assembly line. Painting was historically conducted in former Buildings 6 and 6A. Prior to paint application, metal parts were degreased using various PCE and TCE products (all products were stored above grade). There are no records of spent materials being spilled in this area.

Soil from Treatability Testing and SVE Well Installation

Various borings have been installed in the southern portion of the Main Plant property as part of feasibility testing. Samples were collected from seven borings in Areas 1 and 2 and submitted for biotreatability testing in July 1994. Four bio-feasibility borings were also advanced at Area 3 in September 1994. The borings were approximately 8 inches in diameter and 12 to 18 feet deep. Biofeasibility borings were sampled for DRO, metals, and VOCs, in addition to biological parameters. A summary table of detected constituents in site soil samples and analytical data from the biofeasibility borings are included as Attachment G-1.

Three additional borings were advanced and sampled for GRO, DRO, VOCs, and metals in Area 3 in September 1994 to estimate the extent of potentially affected soil. Attachment G-2 contains the analytical data from these borings. The soil from the treatability testing and characterization sampling was temporarily stored in drums which were staged in Area 1 along the southeast perimeter fence. The drums were emptied in early August onto a separate

stockpile. At Area 3, one SVE well and 3 observation probes were installed to conduct an SVE pilot test in October 1994. The SVE well was completed in one of the biofeasibility borings. The SVE well and observation probes were located within the foundation of former Building 6A.

In May and June 1995, a full-scale SVE system containing 12 additional SVE recovery wells and 12 additional observation probes was installed in this area. Soil from installation of each SVE well and observation probe/boring was sampled and placed in drums. The well/probe/boring soil samples were analyzed for DRO, GRO, and VOCs. The data are included in Attachment G-3. The drums were temporarily staged immediately north of Area 3. Following review of the analytical data, the drum contents were stockpiled in Area 1, adjacent to other Main Plant soil. An additional soil sample was collected from the Area 3 SVE soil stockpile and submitted for WMWI Protocol B analyses. These results will be forwarded for insertion into Attachment G-3 as they become available. Potential sources of release to site soil are described in the previous section.

CONCLUSION

As discussed above, there are a number of potential sources of constituents detected in soil samples from the soil piles. As such, Chrysler concludes that the spilled compounds were not clearly listed wastes, as applicable. Therefore, the soil does not contain listed hazardous waste and cannot be classified as hazardous by the mixture rules. The soil may contain hazardous substances and, unless additional analytical data indicate the soil is hazardous by characteristic, it should be managed under the Wisconsin Spills Law (s. 144.76) and corresponding regulations (NR 700 series, WAC).

We request approval from you to include the above-mentioned soil in Profile MW 28052 or Profile MW-26503 in order to expedite expansion activities at the Chrysler Kenosha Engine Plant Facility. If you have any questions, please do not hesitate to call.

Sincerely,

TRIAD ENGINEERING INC.

Richard J. Binder, CPG, CGWP
Senior Hydrogeologist

TRIAD ENGINEERING INC.

Ross M. Creighton
Project Hydrogeologist

RJB:mao
W943324\943324.27\943324-B
cc: Pamela A. Mylotta – WDNR
Curt Chapman – Chrysler Pollution Prevention and Remediation
Jack Bugno – Chrysler Pollution Prevention and Remediation

TRIAD
ENGINEERING
INCORPORATED

September 1, 1995

Ms. Barbara Schmitt
Site Consultant
Pheasant Run Recycling and Disposal Facility
19414 60th Street
Bristol, WI 53104

Dear Ms. Schmitt:

RE: Existing Profile Extension Request
Chrysler Corporation Kenosha Engine and Main Plant Properties
Triad Engineering Project W943324.27

Enclosed are additional data for insertion into Attachments C, D, E, and G-3 of the Existing Profile Extension Request dated August 17, 1995. Data summary tables for Attachments C and D are also enclosed. You now have all the data collected from the following excavation locations:

- Building 53/Tank 9
- Lot C, Lot D, and Fire Main
- Building 44 Basement
- 2.7L Engine Block Line Caisson Borings
- Main Plant Sump and Trench Excavations
- Soil from Main Plant treatability and characterization testing and soil vapor extraction (SVE) well borings

Again, we request approval from you to include the excavated soil in Profile MW-28052 or MW-26503 in order to expedite expansion activities at the Chrysler Kenosha Engine Plant facility. If you have any additional questions, please do not hesitate to call.

Sincerely,

TRIAD ENGINEERING INC.

Richard J. Binder, CPG, CGWP
Senior Hydrogeologist

TRIAD ENGINEERING INC.

Ross M. Creighton
Project Hydrogeologist

rjb:mao\W943324\943324.27\943324-C
c: Pamela A. Mylotta – WDNR
Curt Chapman – Chrysler Pollution Prevention and Remediation
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October 4, 1995

Ms. Barbara Schmitt
Site Consultant
Pheasant Run Recycling and Disposal Facility (RDF)
19414 60th Street
Bristol, WI 53104

Dear Ms. Schmitt:

RE: Existing Profile Extension Request (No. 2)
Chrysler Corporation Kenosha Engine and Main Plant Properties
Triad Engineering Project W943324.28

This letter was prepared by Triad Engineering Incorporated (Triad) on behalf of Chrysler Corporation (Chrysler) to request a second extension to profile MW 28052 for biological treatment and disposal of additional soil generated at the Chrysler Kenosha Engine Plant property. A copy of the profile is contained in Attachment A. Attachment A also includes a letter (*Classification of Excavated Soil*, July 5, 1995) detailing the source and classification of the soil disposed under this profile. Profile MW 28052 originally applied to approximately 20,000 cubic yards (yds^3) of affected soil excavated from the Kenosha Engine Plant property. An additional approximately 70,000 yds^3 of soil, excavated from the Engine Plant and former Main Plant, were added to this profile, as requested by Triad in *Existing Profile Extension Request* letters dated August 17 and September 1, 1995. These letters are also included in Attachment A. The excavation locations associated with the profile are shown on Figure 1.

Chrysler would like to add soil from three additional locations to the existing profile described above. The additional excavation locations and estimated volumes are shown on Figure 1 and are listed below.

- Building 19B (approximately 1200 yds^3)
- Southern portion of the Modified Oil Recycling Slab (approximately 100 yds^3)
- Building 53 Compressor Room (approximately 700 yds^3)

The possible source and general concentrations of constituents detected in soil samples from these locations are similar to the possible sources and detected concentration ranges currently addressed by profile MW 28052. As such, the soil is not considered a listed hazardous waste as identified in NR 605.09, Wisconsin Administrative Code (WAC). In addition, based on available laboratory analytical data, the soil does not appear to be characteristically hazardous as defined in chapter NR 605.08, WAC. Additional information regarding possible sources, excavation locations, volumes, and laboratory analytical results for the additional soil is provided in the following sections.

Building 19B.

As part of the upgrading activities underway at the Engine Plant, hydromation facilities, including flumes and an underground process tank, are being installed in Building 19B (Figure 1). Excavation of existing concrete floor and subsurface, native and fill material (approximately 1200 yds^3) was initiated August 31, 1995. Building 19B, historically, housed an overhead crane which transported material from the former foundry located in adjacent Building 19. Building 19B was most recently used as a warehouse. Affected soil removed from beneath Building 19B appears to have been affected by constituents which migrated along the water table from other areas of the site. The affected soil appears similar in nature and origin to soil included under profile MW 28052. The possible source of constituents detected in soil samples is the same as explained in the July 5, 1995, *Classification of Excavated Soil* and August 17, 1995, *Existing Profile Extension Request* letters. Analytical data from volatile organic compound (VOC), gasoline range organic (GRO), diesel range organic (DRO), and Waste Management of Wisconsin Inc. (WMWI) Protocol B analyses are included in Attachment B.

Southern portion of the Modified Oil Recycling Slab.

Continuing renovation activities at the Modified Oil Recycling Slab necessitated modification of the southern portion of the slab. Excavation of approximately 100 yds^3 of soil was initiated August 21, 1995. In Spring 1994, the northern portion of the slab was modified to allow for cleaner and more efficient handling of materials. Soil from the 1994 modification was disposed at Pheasant Run RDF under Profile MW 28052. The possible source of constituents detected in the 1994 North Slab soil samples is explained in the *Classification of Excavated Soil* letter, dated July 5, 1995, to Ms. Barbara Schmitt of Pheasant Run RDF (Attachment A). Affected soil at both portions of the Modified Oil Recycling Slab are likely from the same source. It is appropriate, therefore, to include soil from the southern portion of the slab under the same profile. Attachment C contains the analytical results (VOC, GRO, DRO, and WMWI Protocol B) from soil excavated from the southern portion of the Modified Oil Recycling Slab.

Building 53 Compressor Room and Future Renovation Areas.

Additional soil (approximately 700 yds^3) was excavated from the southeast portion of Building 53 to facilitate construction of the new Building 53 compressor room. Excavation was initiated on August 20, 1995. Concrete floor and subsurface material were removed and five spread footings were installed. Past and present use of Building 53 includes assembly and machining operations.

Affected soil previously excavated from beneath the Building 53 foundation was included in the original Profile MW 28052. Additional soil, from soil borings advanced in Buildings 53 and 39 in 1994 and from the removal of two underground storage tanks during July 1995, was added to the profile by WMWI in September 1995 and is documented in the first *Existing Profile Extension Request* dated August 17, 1995.

Laboratory analytical results (VOC, GRO, DRO, and WMWI Protocol B) from the compressor room soil samples collected from the existing 700 yds^3 stockpile are included in Attachment D. The possible sources of constituents detected in compressor room soil samples are discussed in the July 5, 1995, *Classification of Excavated Soil* and August 17, 1995, *Existing Profile Extension Request* letters.

In addition to the 700 yds^3 of soil currently stockpiled on site, more soil is anticipated to be generated as renovation of Building 53 continues. Additional soil samples will be collected to characterize the soil as it is generated and the analytical results will be submitted to Pheasant Run RDF as they become available. Chrysler requests that the current 700 yds^3, as well as additional volumes of soil from Building 53, will be accepted for biological treatment/disposal under the same profile, pending review of analytical results.

CONCLUSION

As discussed above, possible sources of constituents detected in soil samples from these soil piles are similar or identical to the sources of constituents detected in soil previously disposed under Profile MW 28052. As such, Chrysler concludes that the spilled compounds were not clearly listed wastes, as applicable. Therefore, the soil does not contain listed hazardous waste and cannot be classified as hazardous by the mixture rules. The soil may contain hazardous substances (based on review of the attached laboratory data) and, unless additional analytical data indicate the soil is hazardous by characteristic, it should be managed under the Wisconsin Spills Law (s. 144.76) and corresponding regulations (NR 700 series, WAC).

We request approval from you to include the above-mentioned soil in Profile MW 28052 in order to expedite renovation activities at the Chrysler Kenosha Engine Plant Facility. If you have any questions, please do not hesitate to call.

Sincerely,

TRIAD ENGINEERING INC.

J Hornung for

Richard J. Binder, CPG, CGWP
Senior Hydrogeologist

TRIAD ENGINEERING INC.

Ross M. Creighton
Project Hydrogeologist

rjb:mao\w943324\943324.28\943324-a
c: Pamela A. Mylotta – WDNR
Curt Chapman – Chrysler Pollution Prevention and Remediation
Jack Bugno – Chrysler Pollution Prevention and Remediation

TRIAD
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February 2, 1996

Ms. Barbara Schmitt
Site Consultant
Pheasant Run Recycling and Disposal Facility (RDF)
19414 60th Street
Bristol, WI 53104

Dear Ms. Schmitt:

RE: Existing Profile Extension Request (No. 3)
Chrysler Corporation Kenosha Engine and Main Plant Properties
Triad Engineering Project W943324.28

This letter was prepared by Triad Engineering Incorporated (Triad) on behalf of Chrysler Corporation (Chrysler) to request a third extension to profile MW 28052 for biological treatment and disposal of additional soil generated at the Chrysler Kenosha Engine Plant property. A copy of the profile is contained in Attachment A. Attachment A also includes a letter (*Classification of Excavated Soil*, July 5, 1995) detailing the source and classification of the soil disposed under this profile. Profile MW 28052 originally applied to approximately 20,000 cubic yards (yds^3) of affected soil excavated from the Kenosha Engine Plant property. An additional approximately 72,000 yds^3 of soil, excavated from the Engine Plant and former Main Plant, were added to this profile, as requested by Triad in *Existing Profile Extension Request* letters dated August 17, September 1, and October 4, 1995. These letters are also included in Attachment A. The excavation locations associated with the profile are shown on Figure 1.

Chrysler would like to add soil from three additional locations to the existing profile described above. The additional excavation locations and estimated volumes are shown on Figure 1 and are listed below.

- Buildings 38/39 (approximately 10,000 yds^3)
- 2.7L Block Line Building (Building 65) Extension (approximately 7,000 yds^3)
- New Shipping/Receiving Building (Building 68) (approximately 8,000 yds^3)

The possible source and general concentrations of constituents detected in soil samples from these locations are similar to the possible sources and detected concentration ranges currently addressed by profile MW 28052. As such, the soil is not considered a listed hazardous waste as identified in NR 605.09, Wisconsin Administrative Code (WAC). In addition, based on available laboratory analytical data, the soil does not appear to be characteristically hazardous as defined in chapter NR 605.08, WAC. Additional information regarding possible sources, excavation locations, volumes, and laboratory analytical results for the additional soil is provided in the following sections.

Buildings 38/39.

As part of continuing upgrade activities at the Kenosha Engine Plant, new hydromation facilities and a 2.7L head assembly line will be installed in existing Buildings 38 and 39.

Activities previously conducted in Buildings 38 and 39 included hot-testing, assembly, and machining. Excavation of existing concrete floor and subsurface fill and native material from an approximate 200-by-320-foot area is anticipated to be initiated February or March 1996. Proposed excavation depths will be approximately three to four feet in more than 97% of the excavation area, and up to 20 feet where two hydromation fluid storage tanks (approximate dimensions: 15 feet wide by 35 feet long by 20 feet deep) will be installed.

Subsurface soil samples were collected from Buildings 38 and 39 in late December 1995 to preliminarily characterize subsurface soil conditions in the proposed excavation area. Twelve soil samples were submitted for volatile organic compound (VOC), gasoline range organic (GRO), and diesel range organic (DRO) analyses. In addition, three samples were submitted for WMWI Protocol B analyses. A summary of detected constituents and the analytical reports are included in Attachment B. The possible sources of constituents detected is unknown, but is probably consistent with the sources explained in the July 5, 1995, Classification of Excavated soil an subsequent profile extension request letters. Chrysler proposes that soil removed from Buildings 38/39 be directly transported to Pheasant Run RDF's bioremediation facility to avoid stockpiling and other logistical problems associated with double-handling excavated soil.

2.7L Block Line Building (Building 65) Extension.

During July and August 1995, a new 2.7L Engine Block Line Building (Building 65) was constructed over the former Building 44 basement. Building 65 also extends south and east of former Building 44. Soil generated during construction of Building 65 and the associated analytical data were included in the first *Existing Profile Extension Request* (August 17, 1995).

In December 1995, Building 65 was extended 100 feet further to the east. To facilitate expansion, additional caissons and shallow spread footings were excavated and fire main and sewer facilities were rerouted and extended further east. (Soil generated during installation of the previous fire main was included in the August 17, 1995, request no. 1.) Approximately 7,000 yds^3 of additional soil were generated during the December expansion. Soil samples were collected from the shallow spread-footing excavations and the new fire main trench and submitted for VOC, DRO, and GRO analyses. A summary table of detected organic constituents and the analytical reports are included as Attachment C. One sample was also submitted for WMWI Protocol B analysis. The protocol B data are included in a summary table presented in Attachment B. The possible source of constituents detected in the Building 65 extension soil samples is most likely from migration of constituents in groundwater as described in the first *Existing Profile Extension Request* (August 17, 1995).

New Shipping/Receiving Building (Building 68).

As part of the Kenosha Engine Plant expansion and upgrading, a new shipping/receiving building (Building 68) will be built east of Building 53 between Buildings 54 and 36. Approximately 6000 yds^3 of soil from shallow spread-footing excavations, and caisson borings were excavated from within the proposed Building 68 footprint during December

1995 and January 1996. Adjacent to the Building 68 area, trenches for fire mains, sewer services, and two railroad loading ramps were also excavated. The soil volume from these additional areas is approximately 2000 yds^3. To evaluate subsurface conditions prior to construction, soil samples were collected for laboratory analysis during two GeoProbe™ investigations. Additional soil samples were collected on December 13, 1995, and January 10, 1996, from stockpiled soil. Constituents detected in Building 68 samples are summarized on a table included in Attachment D. Analytical reports are also included in Attachment D. The definite source of constituents detected in the soil samples is unknown, but it is probably consistent with the sources described in the July 5, 1995, *Classification of Excavated Soil* letter (Attachment A). No buildings or assembly/machinery lines were ever present in the proposed Building 68 area. The area was historically used for outdoor storage.

CONCLUSION

As discussed above, possible sources of constituents detected in site soil samples from soil to be treated/disposed are similar or identical to the sources of constituents detected in soil previously disposed under Profile MW 28052. As such, Chrysler concludes that the spilled compounds were not clearly listed wastes, as applicable. Therefore, the soil does not contain listed hazardous waste and cannot be classified as hazardous and, unless additional analytical data indicate the soil is hazardous by characteristic, it should be managed under the Wisconsin Spills Law (s. 144.76) and corresponding regulations (NR 700 series, WAC).

We request approval from you to include the above-mentioned soil in Profile MW 28052 in order to expedite renovation activities at the Chrysler Kenosha Engine Plant Facility. If you have any questions, please do not hesitate to call.

Sincerely,

TRIAD ENGINEERING INC.

Ross M. Creighton
Project Manager

TRIAD ENGINEERING INC.

Richard J. Binder, CPG, CGWP
Senior Hydrogeologist

rjb:tdm\w943324\28\3324-b

c: Pamela A. Mylotta – Wisconsin Department of Natural Resources
Curt Chapman – Chrysler Pollution Prevention and Remediation
Jack Bugno – Chrysler Pollution Prevention and Remediation

TRIAD
ENGINEERING
INCORPORATED

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

March 19, 1996

Ms. Barbara Schmitt
Site Consultant
Pheasant Run Recycling & Disposal Facility (RDF)
19414 60th Street
Bristol, Wisconsin 53104

Dear Ms. Schmitt:

RE: Additional Data for Existing Profile Extension Request (No. 3)
Chrysler Corporation Kenosha Engine and Main Plant Properties
Triad Engineering Project W943324.28

This letter was prepared by Triad Engineering Incorporated (Triad) on behalf of Chrysler Corporation (Chrysler) to provide analytical data for additional soil transported to Pheasant Run RDF for biological treatment and disposal. The majority of the soil was excavated from the Building 68 area described and characterized in Existing Profile Extension Request (No. 3) (Triad, February 2, 1996). A small volume of soil was also excavated immediately north of this area while repairing a fire main trench adjacent to Building 36. The possible source and general concentrations of constituents detected in soil samples collected from this soil are consistent with the possible sources and detected concentration ranges previously addressed by profile MW28052. As such, the soil is not considered to be a listed hazardous waste as identified in NR 605.09, Wisconsin Administrative Code (WAC). Also, based on this information and analytical data for soil previously addressed by Profile MW28052, the soil does not appear to be characteristically hazardous.

The excavation locations and estimated volumes are listed below. Figures are presented in the Profile Extension Request. Other information is provided in the following sections.

- Building 36 Fire Main Excavation (Approximately 100 cubic yards).
- New Shipping/Receiving Building (Building 68) (Approximately 4,200 cubic yards).

Building 36

On February 7 and 8, 1996, a new fire main trench was excavated adjacent to Building 36, just north of Building 68. Building 36 is used to store new oil barrels. On February 8, four soil samples (two from stockpiled soil and two from within the trench) were collected and submitted for volatile organic compound (VOC), gasoline range organics (GRO), and diesel range organics (DRO). A summary of detected constituents is included in Table 1. Analytical reports are included as Attachment A.

Building 68

During late February 1996, the excavation depth for Building 68 was increased by approximately 4 to 5 feet so foundations, footings, and underground utilities could be installed beneath the frost line. The soil was added to the existing Building 68 soil stockpile. Soil data from the initial Building 68 excavation are included in Existing Profile Extension Request (No. 3; Triad, February 2, 1996). Five additional soil samples were collected on February 26 and submitted for VOC, GRO, and DRO analysis. Detected constituents are included in Table 1 and the analytical reports are included as Attachment B.

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

Sincerely,

TRIAD ENGINEERING INC.

Ross M. Creighton
Project Manager

TRIAD ENGINEERING INC.

Richard J. Binder, CPG, CGWP
Senior Hydrogeologist

c: Pamela A. Mylotta/WDNR
Curt Chapman/Chrysler Pollution Prevention & Remediation
Jack Bugno/Chrysler Pollution Prevention & Remediation
Ken Hein/WDNR

TABLE 1
ADDITIONAL BUILDING 68 AND BUILDING 36 FIRE MAIN SOIL SAMPLES
SUMMARY OF DETECTED ORGANIC COMPOUNDS
CHRYSLER CORPORATION, KENOSHA ENGINE PLANT

SAMPLE I D	DATE COLLECTED	U.S. EPA METHOD	LAB IDENTIFICATION[1]	Results (micrograms per kilograms)																								mg/kg	
				BENZENE	sec-BUTYLBENZENE	tert-BUTYLBENZENE	CHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	1,1-DICHLOROETHANE	cis-1,2-DICHLOROETENE	trans-1,2-DICHLOROETHENE	ETHYL BENZENE	ISOPROPYLBENZENE	p-ISOPROPYLTOLUENE	METHYLENE CHLORIDE	NAPHTHALENE	n-PROPYL BENZENE	TETRACHLOROETHENE	TOLUENE	1,2,4-TRICHLOROBENZENE	1,1,1-TRICHLOROETHANE	TRICHLOROETHENE	1,2,4-TRIMETHYLBENZENE	1,3,5-TRIMETHYLBENZENE	m & p-XYLENE	o-XYLENE	GRO	DRO
36W8(3-6') - 36 WEST TRENCH	2/8/96	8260A	60209009	8.2	38	<5.0	<5.0	<5.0	<5.0	<5.0	30	<5.0	140	60	55	<5.0	<5.0	120	13	190	<5.0	990J	770	520	180	350	130	78 W1,W2	49 W1, W2, WB, J
36W12(3-6') - 36 WEST TRENCH	2/8/96	8260A	60209010	<5.0	37	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	40	49	64	<5.0	9.6	78	<5.0	<5.0	<5.0	<5.0	39	330	140	22	<5.0	52 W1,W2	21 W1, W2, WB
36WP3-1 - SOIL PILE	2/8/96	8260A	60209011	<5.0	11	<5.0	<5.0	<5.0	<5.0	<5.0	150	<5.0	6.2	8.7	21	<5.0	41	17	33	5.4	<5.0	33	2200J	32	17	<10	<5.0	65 W1,W2	93 W1, W2, WB, J
36WP3-2 - SOIL PILE	2/8/96	8260A	60209012	5.3	8.8	<5.0	<5.0	<5.0	<5.0	41	280	12	17	11	13	<5.0	36	19	<5.0	17	<5.0	22	130	48	18	34	9.9	26 W1,W2	34 W1, W2, WB
F68-1	2/26/96	8260A	60228031	<5.0	<5.0	<5.0	<5.0	<5.0	6.2	<5.0	360	<5.0	6.6	<5.0	<5.0	64	6.8	<5.0	<5.0	<5.0	8.3	13	480	9.6	<5.0	37	<5.0	13.4 W1,W2,WB	33 W2, WB
F68-2	2/26/96	8260A	60228032	<5.0	<5.0	<5.0	27	6.9	69	<5.0	150	<5.0	41	<5.0	<5.0	61	5.6	<5.0	9.6	19	6.7	27	250	16	8.7	130	30	20 W1,W2,WB	100 W2, WB, J
F68-3	2/26/96	8260A	60228033	14	230	37	<5.0	<5.0	<5.0	<5.0	21	<5.0	95	110	680	75	130	140	180	38	<5.0	190	54	<5.0	870J	240	140	410 W1,W2,WB	100 W1, W2, WB, J
F68-4	2/26/96	8260A	60228034	<5.0	8.6	<5.0	13	<5.0	16	<5.0	<5.0	<5.0	8.9	<5.0	19	55	34	12	<5.0	<5.0	<5.0	<5.0	18	90	40	35	<5.0	29 W1,W2,WB	460 W1, W2, WB, J
F68-5	2/26/96	8260A	60228035	5.5	73	6.7	<5.0	<5.0	<5.0	<5.0	10	<5.0	40	33	140	77	150	63	61	13	<5.0	27	25	120	210	140	9.2	78 W1,W2,WB	350 W1, W2, WB, J

J - The analyte concentration was found to be outside of the established linear range of quantitation for this compound. The reported value is an approximation only.
WB - Baseline rise at end of retention time window.
W2 - Peaks after retention time window.
W1 - Peaks before retention time window.
(1) Analysis Performed by Midwest Analytical Services, Inc.

ATTACHMENT B

ADDITIONAL BUILDINGS 38/39
SOIL ANALYTICAL DATA

ATTA_____NT B
ADDITIONAL BUILD[redacted]B/39 SOIL SAMPLES
SUMMARY OF DETECTED ORGANIC COMPOUNDS
CHRYSLER CORPORATION, KENOSHA ENGINE PLANT
PROFILE EXT. REQUEST NO. 4

SAMPLE I.D.	DATE COLLECTED	EN CHEM LAB IDENTIFICATI	COMPUCHEM LAB IDENTIFICATION	Results (micrograms per kilograms)																									mg/kg	
				sec-BUTYLBENZENE	CHLOROBENZENE	1,4-DICHLOROBENZENE	1,1-DICHLOROETHANE	cis-1,2-DICHLOROETHENE	trans-1,2-DICHLOROETHENE	ETHYL BENZENE	ISOPROPYLBENZENE	p-ISOPROPYLTOLUENE	METHYLENE CHLORIDE	NAPHTHALENE	n-PROPYL BENZENE	TETRACHLOROETHENE	TOLUENE	1,2,3-TRICHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHENE	1,2,4-TRIMETHYLBENZENE	1,3,5-TRIMETHYLBENZENE	m & p-XYLENE	o-XYLENE	XYLENE(TOTAL)	GRO	DRO
B39, 305-B/3-5'	5/10/96	180828/180704	801841	<110	<110	<110	220	<110	<260	<110	<110	<110	660 B	<110	<110	<53	<110	<110	<110	950	<110	120	<110	<110	60 J	<110	60 J		<2.6	19
B38, 605-P/3-5'	5/10/96	180829/180705	801837	<100	<100	<100	<100	<100	<100	<100	<100	<100	610 B	<100	<100	<52	<100	<100	<100	270	<100	620	<100	<100	<100	<100	<100		3.5	830
B38, 603-K/pile	5/10/96	180830/180706	801842	<260	<260	150 J	<260	6400	330	<260	<260	<260	1500 B	<260	<260	210	<260	<260	<260	<260	<260	21000	<260	<260	<260	<260	<260		40	180
MEOH BLANK	5/10/96	180831	801843	<100	<100	<100	<100	<100	<100	<100	<100	<100	620	<100	<100	<50	<100	59 J	<100	<100	<100	<50	<100	<100	<100	<100	<100		<2.5	NA
CB382-1	5/28/96	183428	805407	<150	<150	<150	<150	810	130 J	<150	<150	<150	1100 B	<150	<150	170	<150	<150	<150	<150	85 J	13000	<150	<150	<150	<150	<150		11	61
CB382-2	5/28/96	183429	805410	<110	<110	<110	<110	130	<110	<110	<110	<110	740 Q	<110	<110	<57	<110	<110	<110	<110	<110	350	<110	<110	<110	<110	<110		6.1	5.5
CB382-3	5/28/96	183430	805411	<110	<110	<110	<110	12 J	<110	<110	<110	<110	77 JB	<110	<110	<57	<110	<110	<110	<110	<110	20 J	<110	<110	<110	<110	<110		<2.9	26
CB382-4	5/28/96	183431	805412	<110	<110	<110	<110	400	<110	<110	<110	<110	790 B	90 J	<110	<56	<110	<110	<110	<110	<110	2700	<110	<110	<110	<110	<110		<2.8	48
CB382-5	5/28/96	183432	805413	<110	<110	<110	<110	<110	<110	<110	<110	<110	780 B	<110	<110	<57	<110	<110	<110	<110	<110	2100	<110	<110	<110	<110	<110		<3.3	22
CB382-6	5/28/96	183433	805414	<110	<110	<110	<110	200	<110	<110	<110	<110	1000 B	<110	<110	<54	<110	<110	<110	<110	<110	3600	<110	<110	<110	<110	<110		4.0	64
MEOH BLANK	5/28/96	183434	805415	<100	<100	<100	<100	<100	<100	<100	<100	<100	1300	<100	<100	<50	<100	<100	<100	<100	<100	<50	<100	<100	<100	<100	<100		<2.5	NA

* The analyte concentration was found to be outside of the established linear range of quantitation for this compound. The reported value is an approximation only.

W4 - GRO sample weight outside acceptable limits.

WB - Baseline rise at end of retention time window.

W2 - Peaks after retention time window.

W1 - Peaks before retention time window.

LH - QC indicate low recovery for this test. The two laboratory control spikes had recoveries of 69% & 35%. The acceptable range for this test is 70%-115%. Continuing calibration verification recovery -97%.

(1) Analysis Performed by Midwest Analytical Services, Inc.

NA - Not Analyzed

J-estimated value

B-Analyte was found in MeOH Blank

CHRYSLER CORPORATION — Chain of Custody

No. 1581 A

Chrysler Eng Kenosha Engine Plant

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

Project Name: Buildings 38/39 soil Chavac.
Site Code:
Release Number:
Chrysler PM: Curt Chapman

Consultant PM: Triad/Ross Creighton
Address 325 E Chicago Street, Suite 400
Milwaukee WI 53207
Phone: 414-291-8840 Fax: 414-291-8841

Turnaround Time Request: 10-day

Sampler(s): Allan Kolberg

Compound List-Parameter/Method/Bottle Type/Preservative

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

Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 WMR list / 2oz clear glass / MeOH	Dry Weight / 4oz plastic / 4°C	Lab Use Only: Volatiles pH ≤2	Metals pH <2	Cyanide pH >12	Other	Remarks
605-P/B-5'	5/10/96	11:45	G	S	2	1	1					Bottle 84.3g Soil = 24.9g 25ml MeOH
305-B/B-5'	5/10/96	11:50	G	S	2	1	1					Bottle 85.6g Soil 25.0g 25ml MeOH
603-K/pile	5/10/96	11:35	G	S	2	1	1					Bottle 84.5g Soil 25.0g 25ml MeOH
MeOH Blank	5/10/96	12:00	G	O	1	1						25mls MeOH

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	
Relinquished by: Ross M Creighton	5/13/96	16:50	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:	Date:	Time:	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

COMPUCHEM
ENVIRONMENTAL
CORPORATION

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

06/JUN/96

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

Subject: Report of Data - Account Number# 500957 Order# 32296

ATTN: ROSS CREIGHTON

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

This report covers 4 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

06/JUN/96

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

ACCOUNT #: 500957

CC#	SAMPLE-ID	RECEIPT DATE
801837	605-P-3-5	5/14/96
801841	305-B-3-5	5/14/96
801842	603-K-PIL	5/14/96
801843	MEOHBLANK	5/14/96

TOTAL NUMBER OF SAMPLES = 4

SDG NARRATIVE
CASE # 32296
SDG # 00001
CONTRACT # 500957

Sample Identifications: 305-B-3-5, 603-K-PIL, 605-P-3-5, MEOHBLANK

The three (3) soil samples and one methanol blank listed above were received intact, properly refrigerated, with proper documentation, in a sealed shipping container, on May 14, 1996. The samples were scheduled for the requested analysis of the volatile fraction. These samples were analyzed following SW-846 8260 method protocol with the exceptions and/or additions described in the attached Project Profile Sheet (PPS) #499.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case 32296, SDG 00001, are included in the sample data sections. The percent moistures of these soil samples ranged from 4 to 6.

Volatiles
All of the samples were analyzed within holding time requirements. There were some chlorinated alkane and chlorinated alkene target analytes identified above reporting limits in the samples. All samples were analyzed as Medium Level Soils.

Based on the results of the GC/MS screen, 603-K-PIL was analyzed using 40 uL of the Medium Level Soil extract.

The system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated methanol blank met all surrogate recovery and internal standard response criteria. The requested target analytes methylene chloride and 1,2,3-trichlorobenzene were found in the methanol blank.

605-P-3-5 was used as the original to prepare the duplicate matrix spikes. The associated duplicate matrix spikes met all advisory accuracy and precision criteria.

The associated laboratory control sample met all 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 and in the computer-readable

data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jean M. Zimmerman
Final Technical Reviewer
May 30, 1996

CHRYSLER CORPORATION — Chain of Custody

№ 1058

Chrysler Eng / Kenosha Engine Plant

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

Project Name: Buildings 38/39 soil Characterization
Site Code:
Release Number:
Chrysler PM: Curt Chapman

Consultant PM: Triad / Ross Creighton
Address: 325 E Chicago Street, Suite 400, Milwaukee WI 53207
Phone: 414-291-8840 Fax: 414-291-8841

Turnaround Time Request: 10-day

Sampler(s): Allan Kolberg

Compound List-Parameter/Method/Bottle Type/Preservative

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

Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 WOW kit / 2-oz clear glass / MeOH	Dry weight / 4oz plastic / 4°C	Lab Use Only: Volatiles pH<2	Metals pH<2	Cyanide pH>12	Other	Remarks
605-P/B-5'	5/10/96	11:45	G	S	2	1	1					Bottle 84.3g Soil=24.9g 25ml MeOH
305-B/3-5'	5/10/96	11:50	G	S	2	1	1					Bottle 85.6g Soil 25.0g 25ml MeOH
603-K/pile	5/10/96	11:35	G	S	2	1	1					Bottle 84.5g Soil 25.0gm 25ml MeOH
MeOH Blank	5/10/96	12:00	G	O	1	1						25ml/s MeOH

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

Bottles Relinquished under Airbill No.

Relinquished by:	Date:	Time:
Ross M Creighton	5/13/96	16:50

Samples Relinquished under Airbill No.

Received by:	Date:	Time:	Custody Seal Intact?
			Yes No
			Yes No
Stephanie M Winfield	5-14-96	0900	(Yes) No

Temperature (corrected) 4 C

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

NO. 499

CompuChem Laboratories, Inc.

Fill out COMPLETELY PROJECT PROFILE SHEET REVISION# : ____

DATE : 5-3-96 Revision Date : ____

ACCOUNT NUMBER : 600957
ORDER NUMBER :
PROJECT NAME : BUILDING 44
Project Start Date : 4-25-96
Project End Date : 7-31-96

QUOTE # :
PO # : YGOP9600138

COMPANY NAME : TRIAD ENGINEERING Inc.
Mailing ADDRESS #1 : 325 East Chicago Street
COPIES : 2 Suite 400
1 bound Milwaukee, WI 53201
1 unbound Attn: Ross Creighton
Mailing ADDRESS #2 :
COPIES : ____

Address for INVOICES #1 : Chrysler Technical Center
COPIES : ____ 800 Chrysler Drive
Auburn Hills, MI 48326
Attn: Curt Chapman

Address for INVOICES #2 :
COPIES : ____

Address for SAMPLESAVERS :

PROJECT TEAM
SALES : Jean McCloskey Ext. 1633
CUST. SERV. : Ext.
PROJ MGR : Stephanie Winfield Ext. 2456

CLIENT CONTACTS
PROJ MGR : Ross Creighton
PHONE# : (414) 291-8840
FIELD/OTHER :
PHONE# : ( )
BILLING : Curt Chapman
PHONE# : (810) 576-7355

****
VERBAL TAT : ____
HARDCOPY TAT : 10 day
****

SUBCONTRACT WORK TO : N/A

ANALYZE TRIP BLANK (YES) NO
BILL FOR SAMPLESAVERS : YES (NO) ____
BILLABLE QC : YES (NO)
BILLABLE REPEATS : YES (NO)
ADDITIONAL COMMENTS :

SAMPLE DISPOSITION : normal
EXTRACT DISPOSITION : normal
DATA RETENTION (If other than 5 yrs.): 6 yrs

DISKETTE REQUIRED : (YES) NO
STYLE: ____ FORMAT A (CLP-like disk) # COPIES : ____
X CONVERTED disk (Note conversion program name on line below) # COPIES : 1
- CompuChem Spreadsheet
SPECIAL INST.: on 3½" disk

MONTHLY PROGRESS REPORT
REQUIRED : ___ Yes X No Level : ____
____ HAZWRAP ____ OTHER :
____ NEESA
HAZWRAP GENERAL ORDER #:
SPEC. INST. :

Nearest 10:

CompuChem Laboratories, Inc.
PROJECT PROFILE SHEET

NO. 499

DATE: 5-3-96
CLIENT: Chrysler / Triad
PROJECT: Building 44

REVISION#: ____
Revision Date: ____

ALL:

PENALTIES If late: ___% @ ___ days: ___% @ ___ days: ___% @ ___ days — Other:

PREMIUMS If early: ___% @ ___ days: ___% @ ___ days: ___% @ ___ days

X Internal Chain-of-Custody procedures required: ___ NJDEP X Other: Chrysler

Holding Times from: ___ VTSR (for:) from: X VTOS (for: all parameters)

CUSTOMER SERVICE: Other:

Enter in lab instructions (Max. 25 spaces):

X See PPS# 499 ___ Diskettes Required

___ Use for QC( ) ___ F Blank/T Blank

Other:

___ Weekly QUIZ report required ___ Holding Time priority

RECEIVING: Other:

___ Screen VOA / RAD / ___ samples — need 2 labels per sample

___ Return client cooler(s) to this address:

___ Truncate IDs as follows: ____

Create SDGs: X Weekly ___ Bi-Weekly ___ Other:

___ Potentially radioactive samples

X Schedule unique SDG for Trip/Field/etc. Blanks

PP&C: Other:

___ Blank Spikes Required As LCS — VOA follow new Wisconsin MeOH pres. method

___ Possible high / low concentration samples — use plastic container to do dry weight

___ Total/Dissolved Metals — choose QC

pesticide fraction is PCB only - use 4551 for spike

LABORATORY: Other:

___ Possible high / low concentration samples — report attached list for VOA

X Analyze/Report blank spike As LCS — GC/MS put BUILDING 44 in Misc field

___ All notices require the following in header: — see Bob Meierer for Wisconsin method

please report J values - do not report TICs

X Analyze/Report special analytes (see attached) — pesticide report PCBs only

___ Metals: Report/Run ONLY ____

REPORT PREPARATION: Other:

___ Must mail via — use Chrysler Form 1 for GC/MS

X Special compound list required (see attached)

X Do NOT report TICs — report Level 1: narrative, external COC, Form 1s

TECHNICAL REVIEW: Other:

___ Submit ALL Narratives and Notices to the Report Preparation Manager

___ All Notices require the following header:

ACCOUNTING: Other:

Invoice: ___ Weekly ___ Monthly — Chrysler invoicing

___ Other: ___ Duplicate required

LUST and Petroleum Analytical and QA Guidance
July 1993 Revision

VOC Compounds List

(– NOT MAC

VOC	Enforcement Standard (ppb)	Preventative Action Limit (ppb)
benzene	(5) –	.067
bromobenzene	-	-
bromodichloromethane	179 soil	36
n-butylbenzene	-	-
sec-butylbenzene	-	-
tert-butylbenzene	-	-
carbon tetrachloride	(5) –5	.5
chlorobenzene	-	-
chlorodibromomethane	215	43
chloroethane	400	80
chloroform	(6)	.6
chloromethane	-	-
2-chlorotoluene	-	-
4-chlorotoluene	-	-
1,2-dibromo-3-chloropropane	.05	.005
1,2-dibromoethane (EDB)	.01	.001
1,2-dichlorobenzene	1250	125
1,3-dichlorobenzene	1250	125
1,4-dichlorobenzene	75	15
dichlorodifluoromethane	-	-
1,1-dichloroethane	850	85
1,2-dichloroethane	(5) –5	.05
1,1-dichloroethene	(7) –5	.024
cis-1,2-dichloroethene	100	10
trans-1,2-dichloroethene	100	20
1,2-dichloropropane	(5)	.5
1,3-dichloropropane	-	-
2,2-dichloropropane	-	-
di-isopropyl ether	-	-
ethylbenzene	1360	272
hexachlorobutadiene	-	-
isopropylbenzene	-	-
p-isopropyltoluene	-	-
methylene chloride	150	15
methyl-tert-butyl ether	60	12
naphthalene	40	8
n-propylbenzene	-	-
1,1,2,2-tetrachloroethane	-	-
tetrachloroethene	(1) –5	.1
toluene	343	68.6
1,2,3-trichlorobenzene	-	-
1,2,4-trichlorobenzene	-	-
1,1,1-trichloroethane	200	40
1,1,2-trichloroethene	.6	.06
trichloroethene	5	.18
trichlorofluoromethane	-	-
1,2,4-trimethylbenzene	-	-
1,3,5-trimethylbenzene	-	-
vinyl chloride	.2	.0015
o-xylene	620[1]	124[1]
m-xylene	620[1]	124[1]
p-xylene	620[1]	124[1]

1. Report isomer concentrations if analysis can distinguish them; otherwise report "total xylenes". PAL and ES are for total xylenes.

CompuChem Environmental Corporation

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U: This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J: This flag indicates an estimated value. This flag is used

1. When estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL but greater than zero. For example, if the sample quantitation limit is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N: This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC such as chlorinated hydrocarbon, the N flag is not used.

P: This flag is used for a pesticide/Aroclor target analyte, and other GC or HPLC analytes, when there is greater than 25% difference for detected concentrations between the two GC or HPLC columns. The lower of the two values is reported on Form I and flagged with a P.

C: This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X qualifier.)

cont. DATA REPORTING QUALIFIERS

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract. NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL and the U flag. NOTE 2: Separate Form Is are used for reporting the orginal analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A : This flag indicates that a TIC is a suspected aldol-condensation product.

X : Other specific flags may be required to properly define the results. If used, the flags will be fully described. An "X" qualifier is used first. If more than one flag is required, Y and Z are used as needed. If more than five qualifiers are required for a sample result, the X flag is used to represent a combination of several flags. For example, the X flag might combine the A, B and D flags for some samples. The laboratory-defined flags are limited to X, Y and Z.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

305-B-3-5

Project: BUILDING 44 Date Sampled: 05/10/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 801841

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN001841B55.D

Level: (low/med) MED Date Received: 05/14/96

% Moisture: not dec. 6 Date Analyzed: 05/29/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	660	B
75-35-4	1,1-Dichloroethene	53		U
75-34-3	1,1-Dichloroethane	110	220	
67-66-3	Chloroform	53		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110	950	
56-23-5	Carbon Tetrachloride	53		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	53	120	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	53		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	53		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110	60	J
108-38-3	m,p-Xylene	110	60	J
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	53		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

305-B-3-5

Project: BUILDING 44 Date Sampled: 05/10/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 801841

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN001841B55.D

Level: (low/med) MED Date Received: 05/14/96

% Moisture: not dec. 6 Date Analyzed: 05/29/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

603-K-PIL

Project: BUILDING 44 Date Sampled: 05/10/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 801842

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CR001842B55.D

Level: (low/med) MED Date Received: 05/14/96

% Moisture: not dec. 4 Date Analyzed: 05/29/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 40.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	260		U
75-01-4	Vinyl Chloride	260		U
75-00-3	Chloroethane	260		U
75-09-2	Methylene Chloride	260	1500	B
75-35-4	1,1-Dichloroethene	130		U
75-34-3	1,1-Dichloroethane	260		U
67-66-3	Chloroform	130		U
107-06-2	1,2-Dichloroethane	260		U
71-55-6	1,1,1-Trichloroethane	260		U
56-23-5	Carbon Tetrachloride	130		U
75-27-4	Bromodichloromethane	260		U
10061-01-5	cis-1,3-Dichloropropene	260		U
79-01-6	Trichloroethene	130	21000	
124-48-1	Dibromochloromethane	260		U
79-00-5	1,1,2-Trichloroethane	260		U
71-43-2	Benzene	130		U
10061-02-6	trans-1,3-Dichloropropene	260		U
75-25-2	Bromoform	260		U
127-18-4	Tetrachloroethene	130	210	
79-34-5	1,1,2,2-Tetrachloroethane	260		U
108-88-3	Toluene	260		U
108-90-7	Chlorobenzene	260		U
100-41-4	Ethylbenzene	260		U
100-42-5	Styrene	260		U
1330-20-7	Xylene (total)	260		U
108-38-3	m,p-Xylene	260		U
95-47-6	o-Xylene	260		U
156-59-2	cis-1,2-Dichloroethene	260	6400	
156-60-5	trans-1,2-Dichloroethene	260	330	
74-95-3	Dibromomethane	260		U
106-93-4	1,2-Dibromoethane	130		U
630-20-6	1,1,1,2-Tetrachloroethane	260		U
96-18-4	1,2,3-Trichloropropane	260		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

603-K-PIL

Project: BUILDING 44 Date Sampled: 05/10/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 801842

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CR001842B55.D

Level: (low/med) MED Date Received: 05/14/96

% Moisture: not dec. 4 Date Analyzed: 05/29/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 40.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	260		U
75-69-4	Trichlorofluoromethane	260		U
594-20-7	2,2-Dichloropropane	260		U
563-58-6	1,1-dichloropropene	260		U
98-82-8	Isopropyl Benzene	260		U
108-86-1	Bromobenzene	260		U
95-49-8	2-Chlorotoluene	260		U
106-43-4	4-Chlorotoluene	260		U
108-67-8	1,3,5-Trimethyl Benzene	260		U
98-06-6	tert-Butyl Benzene	260		U
95-63-6	1,2,4-Trimethyl Benzene	260		U
135-98-8	sec-Butyl Benzene	260		U
541-73-1	1,3-Dichlorobenzene	260		U
74-97-5	Bromochloromethane	260		U
106-46-7	1,4-Dichlorobenzene	260	150	J
99-87-6	p-Isopropyl Toluene	260		U
95-50-1	1,2-Dichlorobenzene	260		U
104-51-8	n-Butyl Benzene	260		U
120-82-1	1,2,4-Trichlorobenzene	260		U
87-68-3	Hexachlorobutadiene	260		U
91-20-3	Naphthalene	260		U
78-87-5	1,2-Dichloropropane	260		U
142-28-9	1,3-Dichloropropane	260		U
103-65-1	n-Propyl Benzene	260		U
74-87-3	Chloromethane	260		U
87-61-6	1,2,3-Trichlorobenzene	260		U
75-71-8	Dichlorodifluoromethane	260		U
1634-04-4	Methyl-tert-butyl ether	260		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

605-P-3-5

Project: BUILDING 44 Date Sampled: 05/10/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 801837

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN001837B55.D

Level: (low/med) MED Date Received: 05/14/96

% Moisture: not dec. 4 Date Analyzed: 05/29/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	610	B
75-35-4	1,1-Dichloroethene	52		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	52		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100	270	
56-23-5	Carbon Tetrachloride	52		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	52	620	
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	52		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	52		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	52		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

605-P-3-5

Project: BUILDING 44 Date Sampled: 05/10/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 801837

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN001837B55.D

Level: (low/med) MED Date Received: 05/14/96

% Moisture: not dec. 4 Date Analyzed: 05/29/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100		U
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100		U
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MEOHBLANK

Project: BUILDING 44 Date Sampled: 05/10/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 801843

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN001843B55.D

Level: (low/med) MED Date Received: 05/14/96

% Moisture: not dec. Date Analyzed: 05/29/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	620	
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	50		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	50		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	50		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	50		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	50		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MEOHBLANK

Project: BUILDING 44 Date Sampled: 05/10/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 801843

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN001843B55.D

Level: (low/med) MED Date Received: 05/14/96

% Moisture: not dec. Date Analyzed: 05/29/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100		U
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100	59	J
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

Company Name: Triad Engineering

Branch or Location: Milw.

Project Contact: Ross Creighton

Telephone: 414-291-8840

Project Number: W2963873-EP4

Project Name: Chrysler Bldg 38/39 Add. Soil Chara.

Project Location: Kenosha WI

Sampled By (Print): Alan Kolberg

Regulatory Program *(circle)*: UST RCRA CLP SDWA NPDES/WPDES CAA NR_____ Other_____

NR720 Confirmation Analysis Required?

(En Chem will confirm unless otherwise instructed.)

EN CHEM INC.

1241 Bellevue St., Suite 9, Green Bay, WI 54302, 414-469-2436 • 1-800-736-2436, FAX 414-469-8827

2231 Catlin Ave., Suite 420, Superior, WI 54880, 715-392-5844 • 1-800-837-8238, FAX 715-392-5843

CHAIN OF CUSTODY

Page 1 of 1

Mail Report To: Ross Creighton

Company: Triad Engineering

Address: 325 E Chicago Street, Ste 400, Milw. WI. 53201

Invoice To: Same

Company:

Address:

P.O. No.: Quote No.:

Field ID	Sample Description	Collection Date	Collection Time	Field Screen	Matrix	Filt'd Y/N	Preserv*	Analysis Requested	Good Cond.	Total Bottles	Comments	Laboratory Number
305-B 3-5'	Bldg. 39 - Chrysler	5/10/96	11:50	.7	Soil	F	4°C	GRO - WDNR mod Dry Weight	X	2 1-32oz jar	Tar - 85.6g Soil - 24.7g 25ml MeOH	180828
605-P 3-5'	Bldg. 38 - Chrysler	5/10/96	11:45	.9	Soil	F	4°C	GRO - WDNR mod Dry Weight		2	Tar - 86.1g Soil 25.0 25ml MeOH	180829
603-K 3-5'	Bldg. 38 - Chrysler	5/10/96	11:35	87	Soil	F	4°C	GRO - WDNR mod. Dry weight		2	Tar - 84.5 Soil - 24.9 25ml MeOH	180830
MeOH Blank		5/10/96	12:00	—	MeOH		4°C			1-20z/m		180831

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code

A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:
Ross M. Creighton	5/13/96 16:55	
Relinquished By:	Date/Time:	Received By:
Relinquished By:	Date/Time:	Received By (En Chem): 5-14-96 1125

En Chem Project No. 9605275

Sample Receipt Temp. *(Must be rec'd at 4°C)* RT

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER BLDG #W963873-EP4
En Chem Proj# : 9605275
Date Reported : 05/17/1996

Report to: TRIAD

Thank you for using En Chem! Samples were analyzed according to strict EPA or Wisconsin DNR methodology. Any comments or problems associated with the receipt of or analysis are reported below:

Sample no. 180828: Low level peaks present in the GRO analysis.

Sample no. 180829: Chromatogram has a typical gasoline pattern. Some peaks were outside of GRO window.

Sample no. 180830: GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.

Sample no. 180831: GRO sample was transferred to a tared jar to obtain a sample weight.

EN CHEM INC.

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER BLDG #W963873-EP4
Your Sample ID: 305-B/3-5'
Sample Desc. : BLDG.39-CHRYSLER
Sample Matrix : SOIL Date Collected: 05/10/1996
En Chem Proj# : 9605275 Date Received : 05/14/1996
En Chem Lab # : 180828 Date Reported : 05/17/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	96	percent				SM2540G	05/15/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.6		05/15/1996	WDNR MOD GRO	05/16/1996	EGS
	Soil spike	92	% RECOV	50					
	Soil spike duplicate	103	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER BLDG #W963873-EP4
Your Sample ID: 605-P/3-5'
Sample Desc. : BLDG.38-CHRYSLER
Sample Matrix : SOIL Date Collected: 05/10/1996
En Chem Proj# : 9605275 Date Received : 05/14/1996
En Chem Lab # : 180829 Date Reported : 05/16/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzec By
TOTSOLID	Total Solids	97	percent				SM2540G	05/15/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	3.5	mg/kg	2.8		05/15/1996	WDNR MOD GRO	05/15/1996	EGS
	Soil spike	92	% RECOV	50					
	Soil spike duplicate	102	% RECOV	50					

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These results have been reviewed and their authenticity verified by:

M. Sulka

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER BLDG #W963873-EP4
Your Sample ID: 603-K/PILE
Sample Desc. : BLDG.38-CHRYSLER
Sample Matrix : SOIL Date Collected: 05/10/1996
En Chem Proj# : 9605275 Date Received : 05/14/1996
En Chem Lab # : 180830 Date Reported : 05/16/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	96	percent				SM2540G	05/15/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	40	mg/kg	2.7		05/15/1996	WDNR MOD GRO	05/15/1996	EGS
	Soil spike	92	% RECOV	50					
	Soil spike duplicate	102	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulla

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER BLDG #W963873-EP4
Your Sample ID: MEOH BLANK
Sample Desc. :
Sample Matrix : METHANOL Date Collected: 05/10/1996
En Chem Proj# : 9605275 Date Received : 05/14/1996
En Chem Lab # : 180831 Date Reported : 05/16/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO	Gasoline Range Organics(GRO)-Water	ND	ug/l	2500		05/15/1996	WDNR MOD GRO	05/15/1996	EGS
	Blank spike	92	% RECOV	50					
	Blank spike duplicate	102	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

Company Name: TRIAD Engineering
Branch or Location:
Project Contact: Ross CREIGHTON
Telephone: (414) 291-8840
Project Number: 963890.1A
Project Name: CHRYSLER
Project Location:
Sampled By (Print): ALAN Kolberg
Regulatory Program *(circle)*: UST RCRA CLP SDWA
NPDES/WPDES CAA NR_____ Other_____

EN CHEM INC.

Due 5/14/96

1241 Bellevue St., Suite 9
Green Bay, WI 54302
414-469-2436 • 1-800-736-2436
FAX 414-469-8827

2231 Catlin Ave., Suite 420
Superior, WI 54880
715-392-5844 • 1-800-837-8238
FAX 715-392-5843

CHAIN OF CUSTODY

NR720 Confirmation Analysis Required?
(En Chem will confirm unless otherwise instructed.)

Page _____ RAV

Mail Report To: Ross CREIGHTON
Company: TRIAD Engineering
Address: 325 E Chicago St
Milw WI 53202
Invoice To: SAME
Company:
Address:
P.O. No.: 963890.1A Quote No.:

SHADED AREA FOR LABORATORY USE ONLY

Field ID	Sample Description	Collection Date	Collection Time	Field Screen	Matrix	Filt'd Y/N	Preserv*	Analysis Requested	Good Cond.	Total Bottles	Comments	Laboratory Number
												180703 ↓
305B	Bldg-39	5-10-96	1150	.7	Soil		F	GRO-WORK MODIFIED DRO-WORK MOD. +Sm/g	No	1-20z 1-120z-M	NO DRY WT	180704
605-P	Bldg 38	5-10-96	1145	.9	Soil		F	GRO-WORK MODIFIED DRO-WORK MODIFIED+Sm/g	Dry	↓	↓	180705
603-K	Bldg 38	5-10-96	1135	87	Soil		F	GRO-WORK MODIFIED DRO-WORK MOD. +Sm/g	Dry	↓	↓	180706
				GROs	Resubmitted on 5/13/96							
								RUSH water				
								SAMPLES PIT-65				

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	En Chem Project No.
Alan Kolberg	5-10-96 1730		9605239
Relinquished By:	Date/Time:	Received By:	Sample Receipt Temp. *(Must be rec'd at 4°C)*
			RO
Relinquished By:	Date/Time: 5-11-96 1010	Received By (En Chem): Gloria Dutcher	

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER PRJ#963890.A
Your Sample ID: 305B
Sample Desc. : BLDG 39
Sample Matrix : SOIL Date Collected: 05/10/1996
En Chem Proj# : 9605239 Date Received : 05/11/1996
En Chem Lab # : 180704 Date Reported : 05/15/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	96	percent				SM2540G	05/15/1996	PHS
DRO-S	Diesel Range Organics(DRO)-Soil	19	mg/kg	4.1		05/11/1996	WDNR MOD DRO	05/15/1996	PHS
	Soil spike	83	% RECOV	50					
	Soil spike duplicate	78	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sallee

Printed on Recycled Paper

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER PRJ#963890.A
Your Sample ID: 605-P
Sample Desc. : BLDG 38
Sample Matrix : SOIL Date Collected: 05/10/1996
En Chem Proj# : 9605239 Date Received : 05/11/1996
En Chem Lab # : 180705 Date Reported : 05/16/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	96	percent				SM2540G	05/15/1996	PHS
DRO-S	Diesel Range Organics(DRO)-Soil	830	mg/kg	29		05/11/1996	WDNR MOD DRO	05/16/1996	PHS
	Soil spike	83	% RECOV	50					
	Soil spike duplicate	78	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER PRJ#963890.A
Your Sample ID: 603-K
Sample Desc. : BLDG 38
Sample Matrix : SOIL Date Collected: 05/10/1996
En Chem Proj# : 9605239 Date Received : 05/11/1996
En Chem Lab # : 180706 Date Reported : 05/16/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	94	percent				SM2540G	05/15/1996	PHS
DRO-S	Diesel Range Organics(DRO)-Soil	180	mg/kg	6.5		05/11/1996	WDNR MOD DRO	05/16/1996	PHS
	Soil spike	83	% RECOV	50					
	Soil spike duplicate	78	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

COMPUCHEM
ENVIRONMENTAL
CORPORATION

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

18/JUN/96

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

Subject: Report of Data - Account Number# 500957 Order# 32296

ATTN: ROSS CREIGHTON

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

This report covers 7 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

18/JUN/96

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

ACCOUNT #: 500957

CC#	SAMPLE-ID	RECEIPT DATE
805407	CB382-1	5/30/96
805410	CB382-2	5/30/96
805411	CB382-3	5/30/96
805412	CB382-4	5/30/96
805413	CB382-5	5/30/96
805414	CB382-6	5/30/96
805415	MEOHBLANK	5/30/96

TOTAL NUMBER OF SAMPLES = 7

COMPUCHEM
ENVIRONMENTAL
CORPORATION

SDG NARRATIVE

Case # 32296
SDG # 00005
Protocol SW-846

Sample Identifications: CB382-1, CB382-2, CB382-3, CB382-4, CB382-5, CB382-6, MEOHBLANK

The seven samples listed above were received intact, properly refrigerated, with proper documentation, in a sealed shipping container, on May 30, 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) # 499.

All pertinent Quality Assurance notices are included in the narrative section or the sample data sections, and all pertinent Laboratory notices for Case # 32296, SDG # 00005 are included in the sample data sections.

VOLATILES:
Analysis holding time requirements were met for all of these samples. The percent moistures of the solid samples ranged from 7 to 13%.

There were a number of chlorinated hydrocarbon volatile analytes identified at reportable levels in all the samples except CB382-3. Tentatively Identified Compounds (TIC's) were not reported for these samples.

Due to the level of organic material present, the extract of CB382-1 was analyzed at a dilution.

All of the system monitoring compounds met recovery criteria in the analyses of these samples. 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.

CB382-1 was used as the original to prepare the duplicate matrix spikes. With three 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 Difference (RPD) of trichloroethene was flagged as an outlier in the comparison of the duplicate matrix spikes.

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
Technical Reviewer
June 17, 1996

NO. 499

CompuChem Laboratories, Inc.

Fill out COMPLETELY PROJECT PROFILE SHEET REVISION# : ____

DATE : 5-3-96 Revision Date : ____

ACCOUNT NUMBER : 500957
ORDER NUMBER :
PROJECT NAME : BUILDING 44
Project Start Date : 4-25-96
Project End Date : 7-31-96

QUOTE # : ____
PO # : VGOP9600138

COMPANY NAME : TRIAD ENGINEERING Inc.
Mailing ADDRESS #1 : 325 East Chicago Street
COPIES : 2 Suite 400
1 bound Milwaukee, WI 53201
1 unbound Attn: Ross Creighton
Mailing ADDRESS #2 :
COPIES : ____

Address for INVOICES #1 : Chrysler Technical Center
COPIES : ____ 800 Chrysler Drive
Auburn Hills, MI 48326
Attn: Curt Chapman

Address for INVOICES #2 :
COPIES : ____

Address for SAMPLESAVERS :

PROJECT TEAM

SALES : Jean McCloskey Ext. 1633
CUST. SERV. : Ext.
PROJ MGR : Stephanie Winfield Ext. 2456

CLIENT CONTACTS

PROJ MGR : Ross Creighton
PHONE# : (414) 291-8840
FIELD/OTHER :
PHONE# : ( )
BILLING : Curt Chapman
PHONE# : (810) 576-7355

****

VERBAL TAT : ____

HARDCOPY TAT : 10 day

****

SUBCONTRACT WORK TO : N/A

ANALYZE TRIP BLANK (YES) NO
BILL FOR SAMPLESAVERS : YES (NO) ____
BILLABLE QC : YES (NO)
BILLABLE REPEATS : YES (NO)

SAMPLE DISPOSITION : normal
EXTRACT DISPOSITION : normal
DATA RETENTION (If other than 5 yrs.): 6 yrs

ADDITIONAL COMMENTS : ____

DISKETTE REQUIRED : (YES) NO
STYLE : ____ FORMAT A (CLP-like disk) # COPIES : ____
X CONVERTED disk (Note conversion program name on line below) # COPIES : 1
- CompuChem Spreadsheet
SPECIAL INST.: on 3½" disk

MONTHLY PROGRESS REPORT
REQUIRED : ___ Yes X No Level : ____
____ HAZWRAP ____ OTHER :
____ NEESA
HAZWRAP GENERAL ORDER #:
SPEC. INST. : ____

CompuChem Laboratories, Inc. NO. 499
PROJECT PROFILE SHEET

DATE: 5-3-96
CLIENT: Chrysler/Triad
PROJECT: Building 44
REVISION#: ____
Revision Date: ____

PENALTIES if late: ___% @ ___days: ___% @ ___days: ___% @ ___days | Other:
PREMIUMS if early: ___% @ ___days: ___% @ ___days: ___% @ ___days

X Internal Chain-of-Custody procedures required: ___NJDEP X Other Chrysler	Holding Times from: ___VTSR (for:) from: X VTOS (for: all parameters)
CUSTOMER SERVICE:	Other:
Enter in lab instructions (Max. 25 spaces):	
X See PPS# 499 ___ Diskettes Required	
___Use for QC( ) ___ F Blank/T Blank	
Other:	
___Weekly QUIZ report required	___ Holding Time priority
RECEIVING: Other:	
___Screen VOA / RAD / ___samples	need 2 labels per sample
___Return client cooler(s) to this address:	
	Truncate IDs as follows: ___
	Create SDGs: X Weekly ___Bi-Weekly ___Other:
___Potentially radioactive samples	X Schedule unique SDG for Trip/Field/etc. Blanks
PP&C: Other:	
Blank Spikes Required AS LCS	VOA follow new Wisconsin MeOH pres. method
___Possible high / low concentration samples	use plastic container to do dry weight
___Total/Dissolved Metals	choose QC
	pesticide fraction is PCB only - use 4551 for spike
LABORATORY: Other:	
___Possible high / low concentration samples	report attached list for VOA
X Analyze/Report blank spike AS LCS	GC/MS ont BUILDING 44 in Misc field
___All notices require the following in header:	see Bob Meierer for Wisconsin method
	please report J values - do not report TICs
X Analyze/Report special analytes (see attached)	pesticide report PCBs only
___Metals: Report/Run ONLY ___	
REPORT PREPARATION: Other:	
___Must mail via ___	use Chrysler Form 1 for GC/MS
X Special compound list required (see attached)	
X Do NOT report TICs	report Level 1: narrative
	external COC
	Form 1s
TECHNICAL REVIEW: Other:	
___Submit ALL Narratives and Notices to the Report Preparation Manager	
___All Notices require the following header:	
ACCOUNTING: Other:	
Invoice: ___Weekly ___Monthly	Chrysler invoicing
___Other: ___Duplicate required	

LUST and Petroleum Analytical and QA Guidance
July 1993 Revision

VOC Compounds List

VOC	Enforcement Standard (ppb)	Preventative Action Limit (ppb)
benzene	5	.067
bromobenzene	-	-
bromodichloromethane	179	36
n-butylbenzene	-	-
sec-butylbenzene	-	-
tert-butylbenzene	-	-
carbon tetrachloride	5	.5
chlorobenzene	-	-
chlorodibromomethane	215	43
chloroethane	400	80
chloroform	6	.6
chloromethane	-	-
2-chlorotoluene	-	-
4-chlorotoluene	-	-
1,2-dibromo-3-chloropropane	.05	.005
1,2-dibromoethane (EDB)	.01	.001
1,2-dichlorobenzene	1250	125
1,3-dichlorobenzene	1250	125
1,4-dichlorobenzene	75	15
dichlorodifluoromethane	-	-
1,1-dichloroethane	850	85
1,2-dichloroethane	5	.05
1,1-dichloroethene	7	.024
cis-1,2-dichloroethene	100	10
trans-1,2-dichloroethene	100	20
1,2-dichloropropane	5	.5
1,3-dichloropropane	-	-
2,2-dichloropropane	-	-
di-isopropyl ether	-	-
ethylbenzene	1360	272
hexachlorobutadiene	-	-
isopropylbenzene	-	-
p-isopropyltoluene	-	-
methylene chloride	150	15
methyl-tert-butyl ether	60	12
naphthalene	40	8
n-propylbenzene	-	-
1,1,2,2-tetrachloroethane	-	-
tetrachloroethene	1	.1
toluene	343	68.6
1,2,3-trichlorobenzene	-	-
1,2,4-trichlorobenzene	-	-
1,1,1-trichloroethane	200	40
1,1,2-trichloroethane	.6	.06
trichloroethene	5	.18
trichlorofluoromethane	-	-
1,2,4-trimethylbenzene	-	-
1,3,5-trimethylbenzene	-	-
vinyl chloride	.2	.0015
o-xylene	620[1]	124[1]
m-xylene	620[1]	124[1]
p-xylene	620[1]	124[1]

1. Report isomer concentrations if analysis can distinguish them; otherwise report "total xylenes". PAL and ES are for total xylenes.

805407

CHRYSLER CORPORATION

Chain of Custody

№ 10232 A

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

Project Name: CHRYSLER - KENOSHA MAIN
Site Code: 963890.EP4
Release Number:
Chrysler PM: CURT CHAPMAN

Consultant PM: ROSS CREIGHTON
Address: 325 E. CHICAGO street, Milw, WI 53202
Phone: (414) 291-8846 Fax: (414) 291-8841

Turnaround Time Request: NORMAL

Sampler(s): ARH

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	VOC (8260)	Dry weight								Volatiles pH < 2 (Lab Use Only)	Metals pH < 2 (Lab Use Only)	Cyanide pH > 12 (Lab Use Only)	Other ___ (Lab Use Only)	Remarks
CB382-1 805407	5-28-96	1433	G	S	2	X	X												25.0 gram sample
CB382-2 805410	5-28-96	1449	G	S	2	X	X												25.1 grams sample
CB382-3 805411	5-28-96	1504	G	S	2	X	X												25.0 gram sample
CB382-4 805412	5-28-96	1522	G	S	2	X	X												25.0 gram sample
CB382-5 805413	5-28-96	1538	G	S	2	X	X												25.0 gram sample
CB382-6 805414	5-28-96	1553	G	S	2	X	X												25.0 gram sample
Methanol Blank	5-28-96	1615																	
																			VOC all samples plus Hoto 20 mls of methanol

Data Package Deliverables: (circle)	Bottles Reliquished under Airbill No.			Samples Relinquished under Airbill No.			Temperature (corrected) 4 C
(Chrysler Level 1 — circled)	Relinquished by: Alan Holberg	Date: 5-28-96	Time: 1800	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Chrysler Level 2 Chrysler Level 3	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
CLP Deliverables Other (specify):	Relinquished by:	Date:	Time:	Received for Laboratory by: Stephanie Whitfield	Date: 5-30-96	Time: 11:00	Custody Seal Intact? (Yes — circled) 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

Need bottle ... called ... Check w/ Randy ...

Page 1 of 1

11:25am 6/18/96 6

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
CB382-1

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805407

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CR005407A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 9 Date Analyzed: 06/13/96

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

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 75.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	150		U
75-01-4	Vinyl Chloride	150		U
75-00-3	Chloroethane	150		U
75-09-2	Methylene Chloride	150	1100	B
75-35-4	1,1-Dichloroethene	73		U
75-34-3	1,1-Dichloroethane	150		U
67-66-3	Chloroform	73		U
107-06-2	1,2-Dichloroethane	150		U
71-55-6	1,1,1-Trichloroethane	150		U
56-23-5	Carbon Tetrachloride	73		U
75-27-4	Bromodichloromethane	150		U
10061-01-5	cis-1,3-Dichloropropene	150		U
79-01-6	Trichloroethene	73	13000	
124-48-1	Dibromochloromethane	150		U
79-00-5	1,1,2-Trichloroethane	150	85	J
71-43-2	Benzene	73		U
10061-02-6	trans-1,3-Dichloropropene	150		U
75-25-2	Bromoform	150		U
127-18-4	Tetrachloroethene	73	170	
79-34-5	1,1,2,2-Tetrachloroethane	150		U
108-88-3	Toluene	150		U
108-90-7	Chlorobenzene	150		U
100-41-4	Ethylbenzene	150		U
100-42-5	Styrene	150		U
1330-20-7	Xylene (total)	150		U
108-38-3	m,p-Xylene	150		U
95-47-6	o-Xylene	150		U
156-59-2	cis-1,2-Dichloroethene	150	810	
156-60-5	trans-1,2-Dichloroethene	150	130	J
74-95-3	Dibromomethane	150		U
106-93-4	1,2-Dibromoethane	73		U
630-20-6	1,1,1,2-Tetrachloroethane	150		U
96-18-4	1,2,3-Trichloropropane	150		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-1

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805407

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CR005407A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 9 Date Analyzed: 06/13/96

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

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 75.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	150		U
75-69-4	Trichlorofluoromethane	150		U
594-20-7	2,2-Dichloropropane	150		U
563-58-6	1,1-dichloropropene	150		U
98-82-8	Isopropyl Benzene	150		U
108-86-1	Bromobenzene	150		U
95-49-8	2-Chlorotoluene	150		U
106-43-4	4-Chlorotoluene	150		U
108-67-8	1,3,5-Trimethyl Benzene	150		U
98-06-6	tert-Butyl Benzene	150		U
95-63-6	1,2,4-Trimethyl Benzene	150		U
135-98-8	sec-Butyl Benzene	150		U
541-73-1	1,3-Dichlorobenzene	150		U
74-97-5	Bromochloromethane	150		U
106-46-7	1,4-Dichlorobenzene	150		U
99-87-6	p-Isopropyl Toluene	150		U
95-50-1	1,2-Dichlorobenzene	150		U
104-51-8	n-Butyl Benzene	150		U
120-82-1	1,2,4-Trichlorobenzene	150		U
87-68-3	Hexachlorobutadiene	150		U
91-20-3	Naphthalene	150		U
78-87-5	1,2-Dichloropropane	150		U
142-28-9	1,3-Dichloropropane	150		U
103-65-1	n-Propyl Benzene	150		U
74-87-3	Chloromethane	150		U
87-61-6	1,2,3-Trichlorobenzene	150		U
75-71-8	Dichlorodifluoromethane	150		U
1634-04-4	Methyl-tert-butyl ether	150		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-2

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805410

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005410A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	740	B
75-35-4	1,1-Dichloroethene	57		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	57		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	57		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	57	350	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	57		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	57		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110	130	
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	57		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-2

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805410

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005410A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
CB382-3

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805411

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN005411A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	77	JB
75-35-4	1,1-Dichloroethene	57		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	57		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	57		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	57	20	J
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	57		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	57		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110	12	J
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	57		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-3

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805411

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN005411A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-4

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805412

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005412A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 11 Date Analyzed: 06/13/96

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

Soil Extract Volume: 26000(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	790	B
75-35-4	1,1-Dichloroethene	56		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	56		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	56		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	56	2700	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	56		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	56		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110	400	
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	56		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-4

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805412

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005412A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 11 Date Analyzed: 06/13/96

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

Soil Extract Volume: 26000(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	90	J
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
CB382-5

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805413

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005413A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 26000(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	780	B
75-35-4	1,1-Dichloroethene	57		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	57		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	57		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	57	2100	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	57		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	57		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	57		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-5

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805413

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005413A57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 26000(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-6

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805414

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CR005414B57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 7 Date Analyzed: 06/13/96

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

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	1000	B
75-35-4	1,1-Dichloroethene	54		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	54		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	54		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	54	3600	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	54		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	54		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110	200	
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	54		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CB382-6

Project: BUILDING 44 Date Sampled: 05/28/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805414

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CR005414B57.D

Level: (low/med) MED Date Received: 05/30/96

% Moisture: not dec. 7 Date Analyzed: 06/13/96

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

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
MEOHBLANK

Project: BUILDING 44 Date Sampled: _____

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805415

Sample wt/vol: 4.0 (g/mL) G Lab File ID: CN005415C57.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/13/96

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

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	1300	
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	50		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	50		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	50		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	50		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	50		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
MEOHBLANK

Project: BUILDING 44 Date Sampled: _____

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00005

Matrix: (soil/water) SOIL Lab Sample ID: 805415

Sample wt/vol: 4.0 (g/mL) G Lab File ID: CN005415C57.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/13/96

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

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100		U
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100		U
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

Company Name: CHRYSLER - KENOSHA main

Branch or Location:

Project Contact: ROSS CREIGHTON

Telephone: (414) 291-8840

Project Number: 963890.EP4

Project Name:

Project Location:

Sampled By (Print): ALAN Kolberg

Regulatory Program *(circle)*: UST RCRA CLP SDWA

NPDES/WPDES CAA NR_____ Other_____

EN CHEM INC.

1241 Bellevue St., Suite 9
Green Bay, WI 54302
414-469-2436 • 1-800-736-2436
FAX 414-469-8827

2231 Catlin Ave., Suite 420
Superior, WI 54880
715-392-5844 • 1-800-837-8238
FAX 715-392-5843

CHAIN OF CUSTODY

NR720 Confirmation Analysis Required?

(En Chem will confirm unless otherwise instructed.)

Page 1 of 1

Mail Report To: ROSS CREIGHTON

Company: TRIAD Engineering

Address: 325 E CHICAGO ST
MILW., WI 53202

Invoice To: SAME

Company:

Address:

P.O. No.: 963890.EP4 Quote No.:

Field ID	Sample Description	Collection Date	Collection Time	Field Screen	Matrix	Filt'd Y/N	Preserv*	Analysis Requested	Good Cond.	Total Bottles	Comments	Laboratory Number
CB382-1	DRY-weight GRO-25 grams DRO-25 grams	5-28-96	1433		S	N	GRO-P DRO-A DRY-A	GRO (w/DEK MODIFIED) DRO (w/DEK MODIFIED +5mins) DRY weight	X	1-5-2 1-2oz 3-2oz	M=11	183428
CB382-2	DRY-weight GRO-25.0 grams DRO-25.3 grams	5-28-96	1449		S	N	GRO-P DRO-A DRY-A	GRO (w/DEK MODIFIED) DRO (w/DEK MODIFIED +5mins) DRY weight				183429
CB382-3	DRY-weight GRO-25.0 grams DRO-25.0 grams	5-28-96	1504		S	N	GRO-P DRO-A DRY-A	GRO (w/DEK MODIFIED) DRO (w/DEK MODIFIED +5mins) DRY weight				183430
CB382-4	DRY-weight GRO-25.1 grams DRO-25.1 grams	5-28-96	1522		S	N	GRO-P DRO-A DRY-A	GRO (w/DEK MODIFIED) DRO (w/DEK MODIFIED +5mins) DRY weight				183431
CB382-5	DRY-weight GRO-25.0 grams DRO-25.1 grams	5-28-96	1538		S	N	GRO-P DRO-A DRY-A	GRO (w/DEK MODIFIED) DRO (w/DEK MODIFIED +5mins) DRY weight				183432
CB382-6	DRY-weight GRO-25.0 grams DRO-25.0 grams	5-28-96	1553		S	N	GRO-P DRO-A DRY-A	GRO (w/DEK MODIFIED) DRO (w/DEK MODIFIED +5mins) DRY weight				183433
	methanol Blank	5-28-96	1615						X	1-40ml		183434
								ALL GRO SAMPLES				
								CONTAIN 20mls of				
								methanol				

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code

A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:
[signature]	5-28-96 1755	[signature] 5/30/96 10:11C
[signature]	5/30/96 1700	[signature]
[signature]	[illegible]	[signature]

En Chem Project No.: 9605782

Sample Receipt Temp. *(Must be rec'd at 4°C)*: ROI

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #96380.EP4
En Chem Proj# : 9605782
Date Reported : 06/05/1996

Report to: TRIAD

Thank you for using En Chem! Samples were analyzed according to strict EPA or Wisconsin DNR methodology. Any comments or problems associated with the receipt of or analysis are reported below:

Sample no. 183428: GRO chromatogram shows two early eluting unknown peaks. GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.
Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 183429: GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas. GRO chromatogram shows two early eluting unknown peaks.

Sample no. 183430: Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 183431: Fuel hump late in and beyond DRO window, with some baseline rise.
GRO chromatogram had low level late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas. GRO chromatogram shows two early eluting unknown peaks.

Sample no. 183432: Fuel hump late in and beyond DRO window, with some baseline rise.
GRO chromatogram shows one early eluting unknown peak.

Sample no. 183433: Fuel hump late in and beyond DRO window, with some baseline rise. Diesel range peaks present.
GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.
GRO chromatogram shows two early eluting unknown peaks.

EN CHEM INC.

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #96380.EP4
Your Sample ID: CB382-1
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/28/1996
En Chem Proj# : 9605782 Date Received : 05/30/1996
En Chem Lab # : 183428 Date Reported : 06/05/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	88	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	11	mg/kg	2.8		05/31/1996	WDNR MOD GRO	06/04/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	61	mg/kg	4.5		05/31/1996	WDNR MOD DRO	06/01/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

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EN CHEM INC.

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #96380.EP4
Your Sample ID: CB382-2
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/28/1996
En Chem Proj# : 9605782 Date Received : 05/30/1996
En Chem Lab # : 183429 Date Reported : 06/05/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	86	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	6.1	mg/kg	2.9		05/31/1996	WDNR MOD GRO	06/04/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	5.5	mg/kg	4.5		05/31/1996	WDNR MOD DRO	06/01/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #96380.EP4
Your Sample ID: CB382-3
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/28/1996
En Chem Proj# : 9605782 Date Received : 05/30/1996
En Chem Lab # : 183430 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	87	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.9		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	26	mg/kg	4.5		05/31/1996	WDNR MOD DRO	06/01/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

Printed on Recycled Paper

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #96380.EP4
Your Sample ID: CB382-4
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/28/1996
En Chem Proj# : 9605782 Date Received : 05/30/1996
En Chem Lab # : 183431 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	90	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.8		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	48	mg/kg	4.3		05/31/1996	WDNR MOD DRO	06/01/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

Printed on Recycled Paper

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #96380.EP4
Your Sample ID: CB382-5
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/28/1996
En Chem Proj# : 9605782 Date Received : 05/30/1996
En Chem Lab # : 183432 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	76	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	3.3		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	22	mg/kg	5.1		05/31/1996	WDNR MOD DRO	06/01/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

Mark Mey

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #96380.EP4
Your Sample ID: CB382-6
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/28/1996
En Chem Proj# : 9605782 Date Received : 05/30/1996
En Chem Lab # : 183433 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	92	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	4.0	mg/kg	2.7		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	64	mg/kg	4.3		05/31/1996	WDNR MOD DRO	06/01/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

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These results have been reviewed and their authenticity verified by:

Printed on Recycled Paper

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID:
Sample Desc. : METHANOL BLANK
Sample Matrix : METHANOL Date Collected: 05/28/1996
En Chem Proj# : 9605782 Date Received : 05/30/1996
En Chem Lab # : 183434 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzec By
GRO	Gasoline Range Organics(GRO)-Water	ND	ug/l	2500		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Blank spike	97	% RECOV	50					
	Blank spike duplicate	99	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

Printed on Recycled Paper

ATTACHMENT C

BUILDING 65 HYDROMATION TANK, FLUME, AND TRUCK LOADING DOCK SOIL ANALYTICAL DATA

ATTA[redacted]ENT C
BUILDING [redacted] L SAMPLES
SUMMARY OF DETEC[redacted]RGANIC COMPOUNDS
CHRYSLER CORPORATION, KENOSHA ENGINE PLANT
PROFILE EXT. REQUEST NO. 4

				Results (micrograms per kilograms)																											mg/kg	
SAMPLE I.D.	DATE COLLECTED	LAB IDENTIFICATION[1]	EN CHEM IDENDIFICATION	sec-BUTYLBENZENE	tert-BUTYL BENZENE	CHLOROBENZENE	1,2-DICHLOROBENZENE	1,4-DICHLOROBENZENE	1,1-DICHLOROETHANE	cis-1,2-DICHLOROEHTENE	trans-1,2-DICHLOROETHENE	ETHYL BENZENE	HEXACHLOROBUTADIENE	ISOPROPYLBENZENE	p-ISOPROPYLTOLUENE	METHYLENE CHLORIDE	NAPHTHALENE	n-PROPYL BENZENE	TETRACHLOROETHENE	TOLUENE	1,2,3-TRICHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,1,1-TRICHLOROETHANE	TRICHLOROETHENE	1,2,4-TRIMETHYLBENZENE	1,3,5-TRIMETHYLBENZENE	m & p-XYLENE	o-XYLENE	XYLENE(TOTAL)	GRO	DRO
65LR1-1 PILE 1	3/21/96	60325001	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	75	<25	<25	<25	<25	<25	<25	29	26	<25	<50	<25	<25	<10 WB,W2	27 W1,W2
65LR1-3 PILE 1	3/21/96	60325002	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	75	<25	<25	<25	<25	<25	<25	<25	31	<25	<50	<25	<25	<10 WB,W2	17 W1,W2
65LR1-5 PILE 1	3/21/96	60325003	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	98	<25	<25	<25	<25	<25	<25	<25	29	<25	<50	<25	<25	<10 WB,W2	22 W1
65LR2-1 PILE 2	3/21/96	60325004	NA	79	<25	<25	<25	<25	<25	<25	<25	76	<25	28	77	<25	450	83	<25	140	<25	<25	<25	<25	850	270	340	150	<25	95 WB,W2	170 W1,W2,WB,J
65LR2-2 PILE 2	3/21/96	60325005	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	130	<25	<25	<25	<25	<25	<25	<25	120	35	<50	78	<25	14 WB,W2	20 W1,W2
65LR2-4 PILE 2	3/21/96	60325006	NA	<25	<25	45	<25	110	49	330	<25	92	<25	<25	94	<25	200	69	820	330	54	65	290	820	200	79	270	100	<25	39 W1,W2,WB	58 W1,W2,WB,J
MEOH BLANK	3/21/96	60325029	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50	<25	<25	<10	NA
HYD65-01	5/29/96	805939	183435	200	270	<110	<110	<110	<110	<110	<110	450	<110	220	290	800[B]	2100[B]	440	<57	75[J]	<110	<110	<110	<110	430	150	82[J]	<110	77[J]	290	170
HYD65-02	5/29/96	805940	183436	<110	<110	<110	<110	<110	<110	<110	<110	190	<110	<110	<110	770[B]	5900[B]	61[J]	<56	380	<110	<110	<110	120	360	230	470	190	630	26	3500
HYD65-03	5/29/96	805945	183437	<120	<120	<120	<120	<120	<120	620	<120	<120	<120	<120	<120	850[B]	220[B]	<120	160	98[J]	<120	<120	<120	1700	86[J]	63[J]	<120	100[J]	97[J]	6.7	480
HYD65-04	5/29/96	805950	183438	<110	<110	<110	<110	<110	<110	200	<110	<110	<110	<110	<110	750[B]	130[B]	<110	<56	<110	<110	<110	<110	2500	<110	<110	<110	<110	<110	<2.8	28
HYD65-05	5/29/96	805956	183439	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	720[B]	110[B]	<110	<54	<110	<110	<110	<110	470	<110	<110	<110	<110	<110	3.1	160
HYD65-06	5/29/96	805957	183440	<110	<110	<110	<110	<110	<110	500	<110	<110	150	<110	<110	740[B]	150	<110	<56	<110	97[J]	62[J]	<110	2900	90[J]	63[J]	65[J]	<110	61[J]	3.6	87
MEOH BLANK	5/29/96	805964	183441	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	1400	130	<100	<50	<100	140	<100	<100	<50	<100	<100	<100	<100	<100	<2.5	NA
NOR65-1	5/29/96	805958	183442	<110	<110	<110	<110	<110	<110	<110	<110	<110	96[J]	<110	<110	700[B]	210	<110	<54	62[J]	120	76[J]	<110	96	<110	<110	<110	65[J]	61[J]	<2.7	4.9
NOR65-2	5/29/96	805959	183443	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	790[B]	82[J]	<110	<57	<110	73[J]	<110	<110	<57	<110	<110	<110	<110	<110	<2.8	6.9
NOR65-3	5/29/96	805960	183444	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	720[B]	<120	<120	<58	<120	<120	<120	<120	<58	<120	<120	<120	<120	<120	<2.8	7.5
NOR65-4	5/29/96	805961	183445	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	660[B]	<110	<110	<55	<110	<110	<110	<110	<55	<110	<110	<110	<110	<110	240	930
NOR65-5	5/29/96	805962	183446	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	730[B]	<110	<110	<57	<110	<110	<110	<110	<57	<110	<110	<110	<110	<110	38	23
NOR65-6	5/29/96	805963	183447	<110	<110	<110	69[J]	<110	<110	2500	170	<110	<110	66[J]	<110	730[B]	<110	<110	<57	110	<110	<110	<110	750	<110	<110	<110	<110	<110	47	520
CFN65-01	5/29/96	805927	183448	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	860[B]	<110	<110	390	<110	<110	<110	<110	<55	<110	<110	<110	<110	<110	4.4	48.0
CFN65-02	5/29/96	805931	183449	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	740[B]	<110	<110	<54	<110	<110	<110	<110	<54	<110	<110	<110	<110	<110	<2.7	5.5
MEOH BLANK	5/29/96	NA	183450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.5	NA

* The analyte concentration was found to be outside of the established linear range of quantitation for this compound. The reported value is an approximation only.

W4 - GRO sample weight outside acceptable limits.

WB - Baseline rise at end of retention time window.

W2 - Peaks after retention time window.

W1 - Peaks before retention time window.

LH - QC indicate low recovery for this test. The two laboratory control spikes had recoveries of 69% & 35%. The acceptable range for this test is 70%-115%. Continuing calibration verification recovery -97%.

(1) Analyses before 4/96 performed by Midwest Analytical Services, Inc. Analyses after 4/96 performed by CompuChem.

NA - Not Analyzed

J-Estimated Value

B-Analyte found in MeOh Blank

W943324.26/REQUEST#3/6/27/96 ...XLS

COMPUCHEM
ENVIRONMENTAL
CORPORATION

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

18/JUN/96

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

Subject: Report of Data - Account Number# 500957 Order# 32296

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,

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

18/JUN/96

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

ACCOUNT #: 500957

CC#	SAMPLE-ID	RECEIPT DATE
805927	CFN6S-01	6/04/96
805931	CFN6S-02	6/04/96
805939	HYD-6S-01	6/04/96
805940	HYD-6S-02	6/04/96
805945	HYD-6S-03	6/04/96
805950	HYD-6S-04	6/04/96
805956	HYD-6S-05	6/04/96
805957	HYD-6S-06	6/04/96
805958	NOR6S-01	6/04/96
805959	NOR6S-02	6/04/96
805960	NOR6S-03	6/04/96
805961	NOR6S-04	6/04/96
805962	NOR6S-05	6/04/96
805963	NOR6S-06	6/04/96
805964	METHBLANK	6/04/96

TOTAL NUMBER OF SAMPLES = 15

6S was incorrectly read & entered
Proper Sample I.D. should be 6S not 6L

COMPUCHEM
ENVIRONMENTAL
CORPORATION

SDG NARRATIVE

Case # 32296
SDG # 00012
Protocol SW-846

Sample Identifications: CFN6S-01, CFN6S-02, HYD-6S-01, HYD-6S-02, HYD-6S-03, HYD-6S-04, HYD-6S-05, HYD-6S-06, METHBLANK, NOR6S-01, NOR6S-02, NOR6S-03, NOR6S-04, NOR6S-05, NOR6S-06,

The fifteen samples listed above were received intact, properly refrigerated, with proper documentation, in a sealed shipping container, on June 4, 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) # 499.

All pertinent Quality Assurance notices are included in the narrative section or the sample data sections, and all pertinent Laboratory notices for Case # 32296, SDG # 00012 are included in the sample data sections.

VOLATILES:
Analysis holding time requirements were met for all of these samples. The percent moistures of the solid samples ranged from 7 to 20%.

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

All of the system monitoring compounds met recovery criteria in the analyses of these samples. 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.

CFN6S-01 was used as the original to prepare the duplicate matrix spikes. The associated duplicate matrix spikes met all accuracy and precision criteria. The associated Laboratory Control Samples (LCS's) met all 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
Technical Reviewer
June 17, 1996

NO. 499

CompuChem Laboratories, Inc.

Fill out COMPLETELY PROJECT PROFILE SHEET REVISION# : ____

DATE : 5-3-96 Revision Date : ____

ACCOUNT NUMBER : 500957
ORDER NUMBER :
PROJECT NAME : BUILDING 44
Project Start Date : 4-25-96
Project End Date : 7-31-96

QUOTE # :
PO # : YGOP9600138

COMPANY NAME : TRIAD ENGINEERING Inc.
Mailing ADDRESS #1 : 325 East Chicago Street
COPIES : 2 Suite 400
1 bound Milwaukee, WI 53201
1 unbound Attn: Ross Creighton
Mailing ADDRESS #2 :
COPIES : ____

Address for INVOICES #1 : Chrysler Technical Center
COPIES : ____ 800 Chrysler Drive
Auburn Hills, MI 48326
Attn: Curt Chapman

Address for INVOICES #2 :
COPIES : ____

Address for SAMPLESAVERS :

PROJECT TEAM

SALES : Jean McCloskey Ext. 1633
CUST. SERV. : Ext.
PROJ MGR : Stephanie Winfield Ext. 2456

CLIENT CONTACTS

PROJ MGR : Ross Creighton
PHONE# : (414) 291-8840
FIELD/OTHER :
PHONE# : ( )
BILLING : Curt Chapman
PHONE# : (810) 576-7355

****

VERBAL TAT : ____

HARDCOPY TAT : 10 day

****

SUBCONTRACT WORK TO : N/A

ANALYZE TRIP BLANK (YES) NO

BILL FOR SAMPLESAVERS : YES (NO) $ ____

BILLABLE QC : YES (NO)

BILLABLE REPEATS : YES (NO)

SAMPLE DISPOSITION : normal
EXTRACT DISPOSITION : normal
DATA RETENTION (If other than 5 yrs.): 6 YRS

ADDITIONAL COMMENTS :

DISKETTE REQUIRED : (YES) NO

STYLE : ____ FORMAT A (CLP-like disk) # COPIES : ____

X CONVERTED disk (Note conversion program name on line below) # COPIES : 1

CompuChem Spreadsheet

SPECIAL INST.: on 3½" disk

MONTHLY PROGRESS REPORT REQUIRED : ___ Yes X No Level : ____

____ HAZWRAP ____ OTHER :
____ NEESA

HAZWRAP GENERAL ORDER #:

SPEC. INST. :

CompuChem Laboratories, Inc.
PROJECT PROFILE SHEET

NO. 499

DATE: 5-3-96
CLIENT: Chrysler / Triad
PROJECT: Building 44

REVISION#: ____
Revision Date: ____

___ PENALTIES if late: ___% @ ___ days: ___% @ ___ days: ___% @ ___ days	Other:
___ PREMIUMS if early: ___% @ ___ days: ___% @ ___ days: ___% @ ___ days	
X Internal Chain-of-Custody procedures required: ___ NJDEP X Other Chrysler	Holding Times from: ___ \TSR (for:)
	from: X \TOS (for: all parameters)
CUSTOMER SERVICE:	Other:
Enter in lab instructions (Max. 25 spaces):	
X See PPS# 499 ___ Diskettes Required	
___ Use for QC( ) ___ F Blank/T Blank	
Other:	
___ Weekly QUIZ report required	___ Holding Time priority
RECEIVING: Other:	
___ Screen VOA / RAD / ___ samples	need 2 labels per sample
___ Return client cooler(s) to this address:	
	___ Truncate IDs as follows:
	Create SDGs: X Weekly ___ Bi-Weekly ___ Other:
___ Potentially radioactive samples	X Schedule unique SDG for Trip/Field/etc. Blanks
PP&C: Other:	
Blank Spikes Required AS LCS	VOA follow new Wisconsin MeOH pres. method
___ Possible high / low concentration samples	use plastic container to do dry weight
___ Total/Dissolved Metals	choose QC
	pesticide fraction is PCB only - use 4551 for spike
LABORATORY: Other:	
___ Possible high / low concentration samples	report attached list for VOA
X Analyze/Report blank spike AS LCS	GC/MS put BUILDING 44 in Misc field
___ All notices require the following in header:	see Bob Meierer for Wisconsin method
	please report J values - do not report TICs
X Analyze/Report special analytes (see attached)	pesticide report PCBs only
___ Metals: Report/Run ONLY	
REPORT PREPARATION:	Other:
___ Must mail via	use Chrysler Form 1 for GC/MS
X Special compound list required (see attached)	
X Do NOT report TICs	report Level 1: narrative
	external COC
	Form 1s
TECHNICAL REVIEW: Other:	
___ Submit ALL Narratives and Notices to the Report Preparation Manager	
___ All Notices require the following header:	
ACCOUNTING: Other:	
Invoice: ___ Weekly ___ Monthly	Chrysler invoicing
___ Other: ___ Duplicate required	

LUST and Petroleum Analytical and QA Guidance
July 1993 Revision

VOC Compounds List

VOC	Enforcement Standard (ppb)	Preventative Action Limit (ppb)
benzene	5	.067
bromobenzene	-	-
bromodichloromethane	179	36
n-butylbenzene	-	-
sec-butylbenzene	-	-
tert-butylbenzene	-	-
carbon tetrachloride	5	.5
chlorobenzene	-	-
chlorodibromomethane	215	43
chloroethane	400	80
chloroform	6	.6
chloromethane	-	-
2-chlorotoluene	-	-
4-chlorotoluene	-	-
1,2-dibromo-3-chloropropane	.05	.005
1,2-dibromoethane (EDB)	.01	.001
1,2-dichlorobenzene	1250	125
1,3-dichlorobenzene	1250	125
1,4-dichlorobenzene	75	15
dichlorodifluoromethane	-	-
1,1-dichloroethane	850	85
1,2-dichloroethane	5	.05
1,1-dichloroethene	7	.024
cis-1,2-dichloroethene	100	10
trans-1,2-dichloroethene	100	20
1,2-dichloropropane	5	.5
1,3-dichloropropane	-	-
2,2-dichloropropane	-	-
di-isopropyl ether	-	-
ethylbenzene	1360	272
hexachlorobutadiene	-	-
isopropylbenzene	-	-
p-isopropyltoluene	-	-
methylene chloride	150	15
methyl-tert-butyl ether	60	12
naphthalene	40	8
n-propylbenzene	-	-
1,1,2,2-tetrachloroethane	-	-
tetrachloroethene	1	.1
toluene	343	68.6
1,2,3-trichlorobenzene	-	-
1,2,4-trichlorobenzene	-	-
1,1,1-trichloroethane	200	40
1,1,2-trichloroethane	.6	.06
trichloroethene	5	.18
trichlorofluoromethane	-	-
1,2,4-trimethylbenzene	-	-
1,3,5-trimethylbenzene	-	-
vinyl chloride	.2	.0015
o-xylene	620[1]	124[1]
m-xylene	620[1]	124[1]
p-xylene	620[1]	124[1]

1. Report isomer concentrations if analysis can distinguish them; otherwise report "total xylenes". PAL and ES are for total xylenes.

CHRYSLER CORPORATION — Chain of Custody

№ 10234 A

CompuChem Environmental Corporation 3306 Chapel Hill/Nelson Highway P.O.Box 14998 Research Triangle Park, NC 27709-4998 Phone Number: 1-800-833-5097 Fax Number: (919) 406-1686	Project Name: CHRYSLER - KELOSHA Site Code: Release Number: Chrysler PM: CURT CHARMAN	Consultant PM: ROSS CREIGHTON Address 325 E. CHICAGO ST. Milwaukee, WI 53202 Phone: (414) 291-8840 Fax: (414) 291-8841

Turnaround Time Request: normal

Sampler(s): ARK, KRB

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 CCN	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260	DRY weight	Lab Use Only: Volatiles pH <2	Metals pH <2	Cyanide pH > 12	Other	Remarks
HYD65-01 805959	5-29-96	1415	G	S	2	✓	✓					25.0 gram sample
HYD65-02 805940	5-29-96	1425	G	S	2	✓	✓					25.1 gram sample
HYD65-03 805945	5-29-96	1435	G	S	2	✓	✓					25.2 gram sample
HYD65-04 805950	5-29-96	1445	G	S	2	✓	✓					25.0 gram sample
HYD65-05 805956	5-29-96	1455	G	S	2	✓	✓					25.0 gram sample
HYD65-06 806951	5-29-96	1505	G	S	2	✓	✓					25 gram sample
methanol Blank												
												All VOC samples contain 20 mls of methanol

Please report each chain seperately

Data Package Deliverables: (circle)	Bottles Relinquished under Airbill No.			Samples Relinquished under Airbill No.			Temperature (corrected) 6 C
Chrysler Level 1	Relinquished by: Alm Pally	Date: 5-29-96	Time: 1738	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Chrysler Level 2	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Chrysler Level 3							
CLP Deliverables	Relinquished by:	Date:	Time:	Received for Laboratory by: Melissa D. Smith	Date: 6/4/96	Time: 11:15	Custody Seal Intact? (Yes) No
Other (specify):							

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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11:09am 6/18/96

CHRYSLER CORPORATION — Chain of Custody

Nº 10233 A

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

Project Name: CHRYSLER KENOSHA
Site Code:
Release Number:
Chrysler PM: CURT CHAPMAN

Consultant PM: ROSS CREIGHTON
Address 325 E CHICAGO STREET
Milwaukee, WI 53202
Phone: (414) 291-8840 Fax: (414) 291-8841

Turnaround Time Request: NORMAL

Sampler(s): Allen Kolberg
Keith Brightman

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 CON	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC (8260)	DRY WEIGHT	Lab Use Only: Volatiles pH <2	Metals pH <2	Cyanide pH > 12	Other	Remarks
NOR65-1 805958	5-29-96	1130	G	S	2	X	X					25.7 gram sample
NOR65-2 805959	5-29-96	1140	G	S	2	X	X					24.9 gram sample
NOR65-3 805960	5-29-96	1155	G	S	2	X	X					25.0 grams
NOR65-4 805961	5-29-96	1205	G	S	2	X	X					25.9 grams
NOR65-5 805962	5-29-96	1215	G	S	2	X	X					25.0 grams
NOR65-6 805963	5-29-96	1225	G	S	2	X	X					24.9 grams
CFN65-01 805927	5-29-96	1515	G	S	2	X	X					25.0 grams
CFN65-02 805931	5-29-96	1525	G	S	2	X	X					25.2 grams
METHANOL BLANK												Please report each chem 5 seperately.
all VOC samples contain 20 mls of methanol												

Data Package Deliverables: (circle)	Bottles Relinquished under Airbill No.			Samples Relinquished under Airbill No.			Temperature (corrected) 6 °C
Chrysler Level 1	Relinquished by: Allen Kolberg	Date: 5-29-96	Time: 1738	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Chrysler Level 2	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Chrysler Level 3							
CLP Deliverables	Relinquished by:	Date:	Time:	Received for Laboratory by: Marissa A. Sault	Date: 5/30/96	Time: 11:10	Custody Seal Intact? (Yes) No
Other (specify):							

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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11:09am 6/18/96

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
CFN6S-01

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805927

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005927A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 9 Date Analyzed: 06/12/96

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

Soil Extract Volume: 26000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	860	B
75-35-4	1,1-Dichloroethene	55		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	55		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	55		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	55		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	55		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	55	390	
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	55		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CFN6S-01

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805927

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005927A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 9 Date Analyzed: 06/12/96

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

Soil Extract Volume: 26000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
CFN6S-02

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805931

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005931A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 7 Date Analyzed: 06/12/96

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

Soil Extract Volume: 26000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	740	B
75-35-4	1,1-Dichloroethene	54		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	54		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	54		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	54		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	54		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	54		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	54		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
CFN6S-02

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805931

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005931A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 7 Date Analyzed: 06/12/96

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

Soil Extract Volume: 26000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
HYD-6S-01

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805939

Sample wt/vol: 30.0 (g/mL) G Lab File ID: CN005939A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 12 Date Analyzed: 06/12/96

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

Soil Extract Volume: 30000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	800	B
75-35-4	1,1-Dichloroethene	57		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	57		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	57		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	57		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	57		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	57		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110	75	J
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110	450	
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110	77	J
108-38-3	m,p-Xylene	110	82	J
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	57		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-01

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805939

Sample wt/vol: 30.0 (g/mL) G Lab File ID: CN005939A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 12 Date Analyzed: 06/12/96

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

Soil Extract Volume: 30000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110	220	
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110	150	
98-06-6	tert-Butyl Benzene	110	270	
95-63-6	1,2,4-Trimethyl Benzene	110	430	
135-98-8	sec-Butyl Benzene	110	200	
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110	290	
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	2100	B
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110	440	
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-02

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805940

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CN005940A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 10 Date Analyzed: 06/12/96

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

Soil Extract Volume: 28000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	770	B
75-35-4	1,1-Dichloroethene	56		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	56		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	56		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	56	120	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	56		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	56		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110	380	
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110	190	
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110	630	
108-38-3	m,p-Xylene	110	470	
95-47-6	o-Xylene	110	190	
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	56		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-02

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805940

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CN005940A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 10 Date Analyzed: 06/12/96

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

Soil Extract Volume: 28000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110	230	
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110	360	
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	5900	B
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110	61	J
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-03

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805945

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005945A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 20 Date Analyzed: 06/12/96

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

Soil Extract Volume: 26000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	120		U
75-01-4	Vinyl Chloride	120		U
75-00-3	Chloroethane	120		U
75-09-2	Methylene Chloride	120	850	B
75-35-4	1,1-Dichloroethene	62		U
75-34-3	1,1-Dichloroethane	120		U
67-66-3	Chloroform	62		U
107-06-2	1,2-Dichloroethane	120		U
71-55-6	1,1,1-Trichloroethane	120		U
56-23-5	Carbon Tetrachloride	62		U
75-27-4	Bromodichloromethane	120		U
10061-01-5	cis-1,3-Dichloropropene	120		U
79-01-6	Trichloroethene	62	1700	
124-48-1	Dibromochloromethane	120		U
79-00-5	1,1,2-Trichloroethane	120		U
71-43-2	Benzene	62		U
10061-02-6	trans-1,3-Dichloropropene	120		U
75-25-2	Bromoform	120		U
127-18-4	Tetrachloroethene	62	160	
79-34-5	1,1,2,2-Tetrachloroethane	120		U
108-88-3	Toluene	120	98	J
108-90-7	Chlorobenzene	120		U
100-41-4	Ethylbenzene	120		U
100-42-5	Styrene	120		U
1330-20-7	Xylene (total)	120	97	J
108-38-3	m,p-Xylene	120	100	J
95-47-6	o-Xylene	120		U
156-59-2	cis-1,2-Dichloroethene	120	620	
156-60-5	trans-1,2-Dichloroethene	120		U
74-95-3	Dibromomethane	120		U
106-93-4	1,2-Dibromoethane	62		U
630-20-6	1,1,1,2-Tetrachloroethane	120		U
96-18-4	1,2,3-Trichloropropane	120		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-03

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805945

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN005945A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 20 Date Analyzed: 06/12/96

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

Soil Extract Volume: 26000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	120		U
75-69-4	Trichlorofluoromethane	120		U
594-20-7	2,2-Dichloropropane	120		U
563-58-6	1,1-dichloropropene	120		U
98-82-8	Isopropyl Benzene	120		U
108-86-1	Bromobenzene	120		U
95-49-8	2-Chlorotoluene	120		U
106-43-4	4-Chlorotoluene	120		U
108-67-8	1,3,5-Trimethyl Benzene	120	63	J
98-06-6	tert-Butyl Benzene	120		U
95-63-6	1,2,4-Trimethyl Benzene	120	86	J
135-98-8	sec-Butyl Benzene	120		U
541-73-1	1,3-Dichlorobenzene	120		U
74-97-5	Bromochloromethane	120		U
106-46-7	1,4-Dichlorobenzene	120		U
99-87-6	p-Isopropyl Toluene	120		U
95-50-1	1,2-Dichlorobenzene	120		U
104-51-8	n-Butyl Benzene	120		U
120-82-1	1,2,4-Trichlorobenzene	120		U
87-68-3	Hexachlorobutadiene	120		U
91-20-3	Naphthalene	120	220	B
78-87-5	1,2-Dichloropropane	120		U
142-28-9	1,3-Dichloropropane	120		U
103-65-1	n-Propyl Benzene	120		U
74-87-3	Chloromethane	120		U
87-61-6	1,2,3-Trichlorobenzene	120		U
75-71-8	Dichlorodifluoromethane	120		U
1634-04-4	Methyl-tert-butyl ether	120		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-04

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805950

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN005950A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 10 Date Analyzed: 06/12/96

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	750	B
75-35-4	1,1-Dichloroethene	56		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	56		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	56		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	56	2500	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	56		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	56		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110	200	
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	56		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-04

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805950

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN005950A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 10 Date Analyzed: 06/12/96

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	130	B
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-05

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805956

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN005956A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 7 Date Analyzed: 06/12/96

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	720	B
75-35-4	1,1-Dichloroethene	54		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	54		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	54		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	54	470	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	54		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	54		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	54		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-05

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805956

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN005956A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 7 Date Analyzed: 06/12/96

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	110	B
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-06

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805957

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CR005957C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 11 Date Analyzed: 06/13/96

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

Soil Extract Volume: 28000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	740	B
75-35-4	1,1-Dichloroethene	56		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	56		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	56		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	56	2900	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	56		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	56		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110	61	J
108-38-3	m,p-Xylene	110	65	J
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110	500	
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	56		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HYD-6S-06

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805957

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CR005957C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 11 Date Analyzed: 06/13/96

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

Soil Extract Volume: 28000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110	63	J
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110	90	J
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110	62	J
87-68-3	Hexachlorobutadiene	110	58	J
91-20-3	Naphthalene	110	150	
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110	97	J
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

METHBLANK

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805964

Sample wt/vol: 4.0 (g/mL) G Lab File ID: CR005964A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. _____ Date Analyzed: 06/12/96

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	1400	
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	50		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	50		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	50		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	50		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	50		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

METHBLANK

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805964

Sample wt/vol: 4.0 (g/mL) G Lab File ID: CR005964A57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. _____ Date Analyzed: 06/12/96

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100	130	
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100	140	
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
NOR6S-01

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805958

Sample wt/vol: 30.0 (g/mL) G Lab File ID: CN005958C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 8 Date Analyzed: 06/13/96

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

Soil Extract Volume: 30000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	700	B
75-35-4	1,1-Dichloroethene	54		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	54		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	54		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	54	96	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	54		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	54		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110	62	J
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110	61	J
108-38-3	m,p-Xylene	110	65	J
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	54		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
NOR6S-01

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805958

Sample wt/vol: 30.0 (g/mL) G Lab File ID: CN005958C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 8 Date Analyzed: 06/13/96

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

Soil Extract Volume: 30000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110	76	J
87-68-3	Hexachlorobutadiene	110	96	J
91-20-3	Naphthalene	110	210	
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110	120	
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

NOR6S-02

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805959

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN005959C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 27000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	790	B
75-35-4	1,1-Dichloroethene	57		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	57		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	57		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	57		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	57		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	57		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	57		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
NOR6S-02

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805959

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN005959C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 27000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	82	J
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110	73	J
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
NOR6S-03

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805960

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CN005960C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 14 Date Analyzed: 06/13/96

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

Soil Extract Volume: 28000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	120		U
75-01-4	Vinyl Chloride	120		U
75-00-3	Chloroethane	120		U
75-09-2	Methylene Chloride	120	720	B
75-35-4	1,1-Dichloroethene	58		U
75-34-3	1,1-Dichloroethane	120		U
67-66-3	Chloroform	58		U
107-06-2	1,2-Dichloroethane	120		U
71-55-6	1,1,1-Trichloroethane	120		U
56-23-5	Carbon Tetrachloride	58		U
75-27-4	Bromodichloromethane	120		U
10061-01-5	cis-1,3-Dichloropropene	120		U
79-01-6	Trichloroethene	58		U
124-48-1	Dibromochloromethane	120		U
79-00-5	1,1,2-Trichloroethane	120		U
71-43-2	Benzene	58		U
10061-02-6	trans-1,3-Dichloropropene	120		U
75-25-2	Bromoform	120		U
127-18-4	Tetrachloroethene	58		U
79-34-5	1,1,2,2-Tetrachloroethane	120		U
108-88-3	Toluene	120		U
108-90-7	Chlorobenzene	120		U
100-41-4	Ethylbenzene	120		U
100-42-5	Styrene	120		U
1330-20-7	Xylene (total)	120		U
108-38-3	m,p-Xylene	120		U
95-47-6	o-Xylene	120		U
156-59-2	cis-1,2-Dichloroethene	120		U
156-60-5	trans-1,2-Dichloroethene	120		U
74-95-3	Dibromomethane	120		U
106-93-4	1,2-Dibromoethane	58		U
630-20-6	1,1,1,2-Tetrachloroethane	120		U
96-18-4	1,2,3-Trichloropropane	120		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

NOR6S-03

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805960

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CN005960C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 14 Date Analyzed: 06/13/96

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

Soil Extract Volume: 28000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	120		U
75-69-4	Trichlorofluoromethane	120		U
594-20-7	2,2-Dichloropropane	120		U
563-58-6	1,1-dichloropropene	120		U
98-82-8	Isopropyl Benzene	120		U
108-86-1	Bromobenzene	120		U
95-49-8	2-Chlorotoluene	120		U
106-43-4	4-Chlorotoluene	120		U
108-67-8	1,3,5-Trimethyl Benzene	120		U
98-06-6	tert-Butyl Benzene	120		U
95-63-6	1,2,4-Trimethyl Benzene	120		U
135-98-8	sec-Butyl Benzene	120		U
541-73-1	1,3-Dichlorobenzene	120		U
74-97-5	Bromochloromethane	120		U
106-46-7	1,4-Dichlorobenzene	120		U
99-87-6	p-Isopropyl Toluene	120		U
95-50-1	1,2-Dichlorobenzene	120		U
104-51-8	n-Butyl Benzene	120		U
120-82-1	1,2,4-Trichlorobenzene	120		U
87-68-3	Hexachlorobutadiene	120		U
91-20-3	Naphthalene	120		U
78-87-5	1,2-Dichloropropane	120		U
142-28-9	1,3-Dichloropropane	120		U
103-65-1	n-Propyl Benzene	120		U
74-87-3	Chloromethane	120		U
87-61-6	1,2,3-Trichlorobenzene	120		U
75-71-8	Dichlorodifluoromethane	120		U
1634-04-4	Methyl-tert-butyl ether	120		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
NOR6S-04

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805961

Sample wt/vol: 22.0 (g/mL) G Lab File ID: CN005961C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 9 Date Analyzed: 06/13/96

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

Soil Extract Volume: 22000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	660	B
75-35-4	1,1-Dichloroethene	55		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	55		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	55		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	55		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	55		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	55		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	55		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

NOR6S-04

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805961

Sample wt/vol: 22.0 (g/mL) G Lab File ID: CN005961C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 9 Date Analyzed: 06/13/96

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

Soil Extract Volume: 22000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

NOR6S-05

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805962

Sample wt/vol: 29.0 (g/mL) G Lab File ID: CN005962C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 29000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	730	B
75-35-4	1,1-Dichloroethene	57		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	57		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	57		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	57		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	57		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	57		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	57		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
NOR6S-05

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805962

Sample wt/vol: 29.0 (g/mL) G Lab File ID: CN005962C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 13 Date Analyzed: 06/13/96

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

Soil Extract Volume: 29000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

NOR6S-06

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805963

Sample wt/vol: 30.0 (g/mL) G Lab File ID: CN005963C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 12 Date Analyzed: 06/13/96

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

Soil Extract Volume: 30000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	730	B
75-35-4	1,1-Dichloroethene	57		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	57		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	57		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	57	750	
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	57		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	57		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110	110	
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110	2500	
156-60-5	trans-1,2-Dichloroethene	110	170	
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	57		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

NOR6S-06

Project: BUILDING 44 Date Sampled: 05/29/96

Lab Code: COMPU Case No.: 32296 SAS No.: SDG No.: 00012

Matrix: (soil/water) SOIL Lab Sample ID: 805963

Sample wt/vol: 30.0 (g/mL) G Lab File ID: CN005963C57.D

Level: (low/med) MED Date Received: 06/04/96

% Moisture: not dec. 12 Date Analyzed: 06/13/96

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

Soil Extract Volume: 30000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110	66	J
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110	69	J
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

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State of North Dakota Certification #R-085

P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

Date : 05-Apr-96

Client : ROSS CREIGHTON
TRIAD ENGINEERING, INC.

Mas# : 60325001-006

Sample I.D. : 65 LR1-1 PILE 1, 65 LR1-3 PILE 1, 65 LR1-5 PILE 1, 65 LR2-1 PILE 2, 65 LR2-2 PILE 2, 65 LR2-4 PILE 2

The above mentioned project has been completed in accordance with the quality control and quality assurance criteria specified by the American Association of Laboratory Accreditation/SW 846/MDNR/WDNR and EPA references from 40 CFR part 136 guidelines.

For your convenience the following legend applies to all the following data sheets.

1. *Reports shall not be reproduced, except in full, without written approval of Midwest Analytical Services, Inc.*
2. *N/D=Not detected above Estimated Quantitation Limit, N/A=Not applicable*
3. *Results relate only to the items tested.*
4. *mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)*
   µg/l, µg/kg, µg/kg(dry weight) equal ppb(parts per billion)

If you have any questions regarding this project please feel free to contact me at 1-800-801-4MAS or 1-313-964-3680.

Thanking You,

Sincerely,

Krystyna Czyzo

Krystyna Czyzo
Lab. Quality Manager

Midwest Analytical Services, Inc.

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IN: DLB

TEST REPORT

MAS #:60325001

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 05-Apr-96

JOB #: W963873.EP1

SAMPLE IDENTIFICATION: 65 LR1-1 PILE 1 03/21/96 10:26
PHYSICAL DESCRIPTION: SOLID

FILE:WDNR/VOCS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		---	EH	3/30/96	
	BENZENE	N/D		25				
	BROMOBENZENE	N/D		25				
	BROMODICHLOROMETHANE.	N/D		25				
	n-BUTYLBENZENE	N/D		25				
	sec-BUTYLBENZENE	N/D		25				
	tert-BUTYLBENZENE.	N/D		25				
	CARBON TETRACHLORIDE	N/D		25				
	CHLOROBENZENE	N/D		25				
	CHLOROETHANE	N/D		25				
	CHLOROFORM	N/D		25				
	CHLOROMETHANE	N/D		25				
	2-CHLOROTOLUENE	N/D		25				
	4-CHLOROTOLUENE	N/D		25				
	1,2-DIBROMO-3-CHLOROPROPANE	N/D		25				
	1,2-DIBROMOETHANE	N/D		25				
	DIBROMOCHLOROMETHANE.	N/D		25				
	1,2-DICHLOROBENZENE	N/D		25				
	1,3-DICHLOROBENZENE	N/D		25				
	1,4-DICHLOROBENZENE	N/D		25				
	DICHLORODIFLUOROMETHANE	N/D		25				
	1,1-DICHLOROETHANE	N/D		25				
	1,2-DICHLOROETHANE	N/D		25				
	1,1-DICHLOROETHENE	N/D		25				
	cis-1,2-DICHLOROETHENE	N/D		25				
	trans-1,2-DICHLOROETHENE	N/D		25				
	1,2-DICHLOROPROPANE	N/D		25				
	1,3-DICHLOROPROPANE	N/D		25				
	2,2-DICHLOROPROPANE	N/D		25				
	DIISOPROPYL ETHER	N/D		250				
	ETHYL BENZENE	N/D		25				
	HEXACHLOROBUTADIENE	N/D		25				
	ISOPROPYLBENZENE	N/D		25				
	p-ISOPROPYLTOLUENE	N/D		25				
	METHYLENE CHLORIDE	N/D		250				
	METHYL TERT BUTYL ETHER	N/D		250				
	NAPHTHALENE	75		25				
	n-PROPYL BENZENE	N/D		25				

Krystyna Czyzo
Lab. Quality Manager

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IN: DLB

TEST REPORT

MAS #:60325001

(continued)

SAMPLE IDENTIFICATION: 65 LR1-1 PILE I 03/21/96 10:26
PHYSICAL DESCRIPTION: SOLID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		---	EH	3/30/96	
	1,1,2,2-TETRACHLOROETHANE	N/D		25				
	TETRACHLOROETHENE	N/D		25				
	TOLUENE	N/D		25				
	1,2,3-TRICHLOROBENZENE	N/D		25				
	1,2,4-TRICHLOROBENZENE	N/D		25				
	1,1,1-TRICHLOROETHANE	N/D		25				
	1,1,2-TRICHLOROETHANE	N/D		25				
	TRICHLOROETHENE	29		25				
	TRICHLOROFLUOROMETHANE	N/D		25				
	1,2,4-TRIMETHYLBENZENE	26		25				
	1,3,5-TRIMETHYLBENZENE	N/D		25				
	VINYL CHLORIDE	N/D		25				
	m & p-XYLENES	N/D		50				
	o-XYLENE	N/D		25				

FILE: WDNR\DROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
DRO BY WISCONSIN LUST MODIFIED	DIESEL RANGE ORGANICS	27	mg/kg DRY WEIGHT	10	----	DB	4/01/96	W1, W2

W1 Peaks before retention time window.
W2 Peaks after retention time window.

FILE: WDNR\GROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
GRO BY WISCONSIN LUST MODIFIED	GASOLINE RANGE ORGANICS	N/D	mg/kg DRY WEIGHT	10	----	DB	3/28/96	WB, W2

WB Baseline rise at end of retention time window.
W2 Peaks after retention time window.

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P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

IN: DLB

TEST REPORT

MAS #:60325002

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 05-Apr-96

JOB #: W963873.EP1

SAMPLE IDENTIFICATION: 65 LR1-3 PILE 1 03/21/96 10:43
PHYSICAL DESCRIPTION: SOLID

FILE:WDNR/VOCS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		—	EH	3/30/96	
	BENZENE	N/D		25				
	BROMOBENZENE	N/D		25				
	BROMODICHLOROMETHANE .	N/D		25				
	n-BUTYLBENZENE	N/D		25				
	sec-BUTYLBENZENE	N/D		25				
	tert-BUTYLBENZENE .	N/D		25				
	CARBON TETRACHLORIDE	N/D		25				
	CHLOROBENZENE	N/D		25				
	CHLOROETHANE	N/D		25				
	CHLOROFORM	N/D		25				
	CHLOROMETHANE	N/D		25				
	2-CHLOROTOLUENE	N/D		25				
	4-CHLOROTOLUENE	N/D		25				
	1,2-DIBROMO-3-CHLOROPROPANE	N/D		25				
	1,2-DIBROMOETHANE	N/D		25				
	DIBROMOCHLOROMETHANE .	N/D		25				
	1,2-DICHLOROBENZENE	N/D		25				
	1,3-DICHLOROBENZENE	N/D		25				
	1,4-DICHLOROBENZENE	N/D		25				
	DICHLORODIFLUOROMETHANE	N/D		25				
	1,1-DICHLOROETHANE	N/D		25				
	1,2-DICHLOROETHANE	N/D		25				
	1,1-DICHLOROETHENE	N/D		25				
	cis-1,2-DICHLOROETHENE	N/D		25				
	trans-1,2-DICHLOROETHENE	N/D		25				
	1,2-DICHLOROPROPANE	N/D		25				
	1,3-DICHLOROPROPANE	N/D		25				
	2,2-DICHLOROPROPANE	N/D		25				
	DIISOPROPYL ETHER	N/D		250				
	ETHYL BENZENE	N/D		25				
	HEXACHLOROBUTADIENE	N/D		25				
	ISOPROPYLBENZENE	N/D		25				
	p-ISOPROPYLTOLUENE	N/D		25				
	METHYLENE CHLORIDE	N/D		250				
	METHYL TERT BUTYL ETHER	N/D		250				
	NAPHTHALENE	75		25				
	n-PROPYL BENZENE	N/D		25				

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Lab. Quality Manager

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State of North Dakota Certification #R-085

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IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 0 2

(continued)

SAMPLE IDENTIFICATION: 65 LR1-3 PILE 1 03/21/96 10:43
PHYSICAL DESCRIPTION: SOLID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		---	EH	3/30/96	
	1,1,2,2-TETRACHLOROETHANE	N/D		25				
	TETRACHLOROETHENE	N/D		25				
	TOLUENE	N/D		25				
	1,2,3-TRICHLOROBENZENE	N/D		25				
	1,2,4-TRICHLOROBENZENE	N/D		25				
	1,1,1-TRICHLOROETHANE	N/D		25				
	1,1,2-TRICHLOROETHANE	N/D		25				
	TRICHLOROETHENE	N/D		25				
	TRICHLOROFLUOROMETHANE	N/D		25				
	1,2,4-TRIMETHYLBENZENE	31		25				
	1,3,5-TRIMETHYLBENZENE	N/D		25				
	VINYL CHLORIDE	N/D		25				
	m & p-XYLENES	N/D		50				
	o-XYLENE	N/D		25				

FILE: WDNR\DROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
DRO BY WISCONSIN LUST MODIFIED	DIESEL RANGE ORGANICS	17	mg/kg DRY WEIGHT	10	----	DB	4/01/96	W1, W2

W1 Peaks before retention time window.
W2 Peaks after retention time window.

FILE: WDNR\GROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
GRO BY WISCONSIN LUST MODIFIED	GASOLINE RANGE ORGANICS	N/D	mg/kg DRY WEIGHT	10	----	DB	3/28/96	WB, W2

WB Baseline rise at end of retention time window.
W2 Peaks after retention time window.

Krystyna Czyzo
Lab. Quality Manager

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State of North Dakota Certification #R-085

P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 0 3

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 05-Apr-96

JOB #: W963873.EP1

SAMPLE IDENTIFICATION: 65 LR1-5 PILE 1 03/21/96 10:55
PHYSICAL DESCRIPTION: SOLID

FILE:WDNR/VOCS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		----	EH	3/29/96	
	BENZENE	N/D		25				
	BROMOBENZENE	N/D		25				
	BROMODICHLOROMETHANE .	N/D		25				
	n-BUTYLBENZENE	N/D		25				
	sec-BUTYLBENZENE	N/D		25				
	tert-BUTYLBENZENE .	N/D		25				
	CARBON TETRACHLORIDE	N/D		25				
	CHLOROBENZENE	N/D		25				
	CHLOROETHANE	N/D		25				
	CHLOROFORM	N/D		25				
	CHLOROMETHANE	N/D		25				
	2-CHLOROTOLUENE	N/D		25				
	4-CHLOROTOLUENE	N/D		25				
	1,2-DIBROMO-3-CHLOROPROPANE	N/D		25				
	1,2-DIBROMOETHANE	N/D		25				
	DIBROMOCHLOROMETHANE .	N/D		25				
	1,2-DICHLOROBENZENE	N/D		25				
	1,3-DICHLOROBENZENE	N/D		25				
	1,4-DICHLOROBENZENE	N/D		25				
	DICHLORODIFLUOROMETHANE	N/D		25				
	1,1-DICHLOROETHANE	N/D		25				
	1,2-DICHLOROETHANE	N/D		25				
	1,1-DICHLOROETHENE	N/D		25				
	cis-1,2-DICHLOROETHENE	N/D		25				
	trans-1,2-DICHLOROETHENE	N/D		25				
	1,2-DICHLOROPROPANE	N/D		25				
	1,3-DICHLOROPROPANE	N/D		25				
	2,2-DICHLOROPROPANE	N/D		25				
	DIISOPROPYL ETHER	N/D		250				
	ETHYL BENZENE	N/D		25				
	HEXACHLOROBUTADIENE	N/D		25				
	ISOPROPYLBENZENE	N/D		25				
	p-ISOPROPYLTOLUENE	N/D		25				
	METHYLENE CHLORIDE	N/D		250				
	METHYL TERT BUTYL ETHER	N/D		250				
	NAPHTHALENE	98		25				
	n-PROPYL BENZENE	N/D		25				

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Lab. Quality Manager

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"Where industry comes for answers"

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State of North Dakota Certification #R-085

P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 0 3

(continued)

SAMPLE IDENTIFICATION: 65 LR1-5 PILE 1 03/21/96 10:55
PHYSICAL DESCRIPTION: SOLID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		---	EH	3/29/96	
	1,1,2,2-TETRACHLOROETHANE	N/D		25				
	TETRACHLOROETHENE	N/D		25				
	TOLUENE	N/D		25				
	1,2,3-TRICHLOROBENZENE	N/D		25				
	1,2,4-TRICHLOROBENZENE	N/D		25				
	1,1,1-TRICHLOROETHANE	N/D		25				
	1,1,2-TRICHLOROETHANE	N/D		25				
	TRICHLOROETHENE	N/D		25				
	TRICHLOROFLUOROMETHANE	N/D		25				
	1,2,4-TRIMETHYLBENZENE	29		25				
	1,3,5-TRIMETHYLBENZENE	N/D		25				
	VINYL CHLORIDE	N/D		25				
	m & p-XYLENES	N/D		50				
	o-XYLENE	N/D		25				

FILE: WDNR\DROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
DRO BY WISCONSIN LUST MODIFIED	DIESEL RANGE ORGANICS	22	mg/kg DRY WEIGHT	10	----	DB	4/01/96	W1

W1 Peaks before retention time window.

FILE: WDNR\GROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
GRO BY WISCONSIN LUST MODIFIED	GASOLINE RANGE ORGANICS	N/D	mg/kg DRY WEIGHT	10	----	DB	3/28/96	WB, W2

WB Baseline rise at end of retention time window.
W2 Peaks after retention time window.

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IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 0 4

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 05-Apr-96

JOB #: W963873.EP1

SAMPLE IDENTIFICATION: 65 LR2-1 PILE 2 03/21/96 11:00
PHYSICAL DESCRIPTION: SOLID

FILE:WDNR/VOCS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		----	EH	3/29/96	
	BENZENE	N/D		25				
	BROMOBENZENE	N/D		25				
	BROMODICHLOROMETHANE .	N/D		25				
	n-BUTYLBENZENE	N/D		25				
	sec-BUTYLBENZENE	79		25				
	tert-BUTYLBENZENE .	N/D		25				
	CARBON TETRACHLORIDE	N/D		25				
	CHLOROBENZENE	N/D		25				
	CHLOROETHANE	N/D		25				
	CHLOROFORM	N/D		25				
	CHLOROMETHANE	N/D		25				
	2-CHLOROTOLUENE	N/D		25				
	4-CHLOROTOLUENE	N/D		25				
	1,2-DIBROMO-3-CHLOROPROPANE	N/D		25				
	1,2-DIBROMOETHANE	N/D		25				
	DIBROMOCHLOROMETHANE .	N/D		25				
	1,2-DICHLOROBENZENE	N/D		25				
	1,3-DICHLOROBENZENE	N/D		25				
	1,4-DICHLOROBENZENE	N/D		25				
	DICHLORODIFLUOROMETHANE	N/D		25				
	1,1-DICHLOROETHANE	N/D		25				
	1,2-DICHLOROETHANE	N/D		25				
	1,1-DICHLOROETHENE	N/D		25				
	cis-1,2-DICHLOROETHENE	N/D		25				
	trans-1,2-DICHLOROETHENE	N/D		25				
	1,2-DICHLOROPROPANE	N/D		25				
	1,3-DICHLOROPROPANE	N/D		25				
	2,2-DICHLOROPROPANE	N/D		25				
	DIISOPROPYL ETHER	N/D		250				
	ETHYL BENZENE	76		25				
	HEXACHLOROBUTADIENE	N/D		25				
	ISOPROPYLBENZENE	28		25				
	p-ISOPROPYLTOLUENE	77		25				
	METHYLENE CHLORIDE	N/D		250				
	METHYL TERT BUTYL ETHER	N/D		250				
	NAPHTHALENE	450		25				
	n-PROPYL BENZENE	83		25				

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TEST REPORT

MAS #:6 0 3 2 5 0 0 4

(continued)

SAMPLE IDENTIFICATION: 65 LR2-1 PILE 2 03/21/96 11:00
PHYSICAL DESCRIPTION: SOLID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		---	EH	3/29/96	
	1,1,2,2-TETRACHLOROETHANE	N/D		25				
	TETRACHLOROETHENE	N/D		25				
	TOLUENE	140		25				
	1,2,3-TRICHLOROBENZENE	N/D		25				
	1,2,4-TRICHLOROBENZENE	N/D		25				
	1,1,1-TRICHLOROETHANE	N/D		25				
	1,1,2-TRICHLOROETHANE	N/D		25				
	TRICHLOROETHENE	N/D		25				
	TRICHLOROFLUOROMETHANE	N/D		25				
	1,2,4-TRIMETHYLBENZENE	850		25				
	1,3,5-TRIMETHYLBENZENE	270		25				
	VINYL CHLORIDE	N/D		25				
	m & p-XYLENES	340		50				
	o-XYLENE	150		25				

FILE: WDNR\DROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
DRO BY WISCONSIN LUST MODIFIED	DIESEL RANGE ORGANICS	170	mg/kg DRY WEIGHT	10	----	DB	4/01/96	W1, W2, WB, J

W1 Peaks before retention time window.
W2 Peaks after retention time window.
WB Baseline rise at end of retention time window.
J Estimated value or value not accurate i.e. analyte concentration found to be outside the established linear range of quantitation.

FILE: WDNR\GROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
GRO BY WISCONSIN LUST MODIFIED	GASOLINE RANGE ORGANICS	95	mg/kg DRY WEIGHT	10	----	DB	3/28/96	WB, W2

WB Baseline rise at end of retention time window.
W2 Peaks after retention time window.

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F: (313) 964-2339

IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 0 5

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 05-Apr-96

JOB #: W963873.EP1

SAMPLE IDENTIFICATION: 65 LR2-2 PILE 2 03/21/96 11:06
PHYSICAL DESCRIPTION: SOLID

FILE:WDNR/VOCS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		----	EH	3/29/96	
	BENZENE	N/D		25				
	BROMOBENZENE	N/D		25				
	BROMODICHLOROMETHANE .	N/D		25				
	n-BUTYLBENZENE	N/D		25				
	sec-BUTYLBENZENE	N/D		25				
	tert-BUTYLBENZENE .	N/D		25				
	CARBON TETRACHLORIDE	N/D		25				
	CHLOROBENZENE	N/D		25				
	CHLOROETHANE	N/D		25				
	CHLOROFORM	N/D		25				
	CHLOROMETHANE	N/D		25				
	2-CHLOROTOLUENE	N/D		25				
	4-CHLOROTOLUENE	N/D		25				
	1,2-DIBROMO-3-CHLOROPROPANE	N/D		25				
	1,2-DIBROMOETHANE	N/D		25				
	DIBROMOCHLOROMETHANE .	N/D		25				
	1,2-DICHLOROBENZENE	N/D		25				
	1,3-DICHLOROBENZENE	N/D		25				
	1,4-DICHLOROBENZENE	N/D		25				
	DICHLORODIFLUOROMETHANE	N/D		25				
	1,1-DICHLOROETHANE	N/D		25				
	1,2-DICHLOROETHANE	N/D		25				
	1,1-DICHLOROETHENE	N/D		25				
	cis-1,2-DICHLOROETHENE	N/D		25				
	trans-1,2-DICHLOROETHENE	N/D		25				
	1,2-DICHLOROPROPANE	N/D		25				
	1,3-DICHLOROPROPANE	N/D		25				
	2,2-DICHLOROPROPANE	N/D		25				
	DIISOPROPYL ETHER	N/D		250				
	ETHYL BENZENE	N/D		25				
	HEXACHLOROBUTADIENE	N/D		25				
	ISOPROPYLBENZENE	N/D		25				
	p-ISOPROPYLTOLUENE	N/D		25				
	METHYLENE CHLORIDE	N/D		25				
	METHYL TERT BUTYL ETHER	N/D		250				
	NAPHTHALENE	130		25				
	n-PROPYL BENZENE	N/D		25				

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IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 0 5

(continued)

SAMPLE IDENTIFICATION: 65 LR2-2 PILE 2 03/21/96 11:06
PHYSICAL DESCRIPTION: SOLID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		---	EH	3/29/96	
	1,1,2,2-TETRACHLOROETHANE	N/D		25				
	TETRACHLOROETHENE	N/D		25				
	TOLUENE	N/D		25				
	1,2,3-TRICHLOROBENZENE	N/D		25				
	1,2,4-TRICHLOROBENZENE	N/D		25				
	1,1,1-TRICHLOROETHANE	N/D		25				
	1,1,2-TRICHLOROETHANE	N/D		25				
	TRICHLOROETHENE	N/D		25				
	TRICHLOROFLUOROMETHANE	N/D		25				
	1,2,4-TRIMETHYLBENZENE	120		25				
	1,3,5-TRIMETHYLBENZENE	35		25				
	VINYL CHLORIDE	N/D		25				
	m & p-XYLENES	78		50				
	o-XYLENE	N/D		25				

FILE: WDNR\DROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
DRO BY WISCONSIN LUST MODIFIED	DIESEL RANGE ORGANICS	20	mg/kg DRY WEIGHT	10	----	DB	4/01/96	W1, W2

W1 Peaks before retention time window.
W2 Peaks after retention time window.

FILE: WDNR\GROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
GRO BY WISCONSIN LUST MODIFIED	GASOLINE RANGE ORGANICS	14	mg/kg DRY WEIGHT	10	----	DB	3/28/96	WB, W2

WB Baseline rise at end of retention time window.
W2 Peaks after retention time window.

Krystyna Czyzo

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P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 0 6

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 05-Apr-96

JOB #: W963873.EP1

SAMPLE IDENTIFICATION: 65 LR2-4 PILE 2 03/21/96 11:17
PHYSICAL DESCRIPTION: SOLID

FILE:WDNR/VOCS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		----	EH	3/29/96	
	BENZENE	N/D		25				
	BROMOBENZENE	N/D		25				
	BROMODICHLOROMETHANE .	N/D		25				
	n-BUTYLBENZENE	N/D		25				
	sec-BUTYLBENZENE	N/D		25				
	tert-BUTYLBENZENE .	N/D		25				
	CARBON TETRACHLORIDE	N/D		25				
	CHLOROBENZENE	45		25				
	CHLOROETHANE	N/D		25				
	CHLOROFORM	N/D		25				
	CHLOROMETHANE	N/D		25				
	2-CHLOROTOLUENE	N/D		25				
	4-CHLOROTOLUENE	N/D		25				
	1,2-DIBROMO-3-CHLOROPROPANE	N/D		25				
	1,2-DIBROMOETHANE	N/D		25				
	DIBROMOCHLOROMETHANE .	N/D		25				
	1,2-DICHLOROBENZENE	N/D		25				
	1,3-DICHLOROBENZENE	N/D		25				
	1,4-DICHLOROBENZENE	110		25				
	DICHLORODIFLUOROMETHANE	N/D		25				
	1,1-DICHLOROETHANE	49		25				
	1,2-DICHLOROETHANE	N/D		25				
	1,1-DICHLOROETHENE	N/D		25				
	cis-1,2-DICHLOROETHENE	330		25				
	trans-1,2-DICHLOROETHENE	N/D		25				
	1,2-DICHLOROPROPANE	N/D		25				
	1,3-DICHLOROPROPANE	N/D		25				
	2,2-DICHLOROPROPANE	N/D		25				
	DIISOPROPYL ETHER	N/D		250				
	ETHYL BENZENE	92		25				
	HEXACHLOROBUTADIENE	N/D		25				
	ISOPROPYLBENZENE	N/D		25				
	p-ISOPROPYLTOLUENE	94		25				
	METHYLENE CHLORIDE	N/D		250				
	METHYL TERT BUTYL ETHER	N/D		250				
	NAPHTHALENE	200		25				
	n-PROPYL BENZENE	69		25				

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IN: DLB
PAGE 2 OF 2

TEST REPORT

MAS #:6 0 3 2 5 0 0 6

(continued)

SAMPLE IDENTIFICATION: 65 LR2-4 PILE 2 03/21/96 11:17
PHYSICAL DESCRIPTION: SOLID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/kg DRY WEIGHT		---	EH	3/29/96	
	1,1,2,2-TETRACHLOROETHANE	N/D		25				
	TETRACHLOROETHENE	820		25				
	TOLUENE	330		25				
	1,2,3-TRICHLOROBENZENE	54		25				
	1,2,4-TRICHLOROBENZENE	65		25				
	1,1,1-TRICHLOROETHANE	290		25				
	1,1,2-TRICHLOROETHANE	N/D		25				
	TRICHLOROETHENE	820		25				
	TRICHLOROFLUOROMETHANE	N/D		25				
	1,2,4-TRIMETHYLBENZENE	200		25				
	1,3,5-TRIMETHYLBENZENE	79		25				
	VINYL CHLORIDE	N/D		25				
	m & p-XYLENES	270		50				
	o-XYLENE	100		25				

FILE: WDNR\DROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
DRO BY WISCONSIN LUST MODIFIED	DIESEL RANGE ORGANICS	58	mg/kg DRY WEIGHT	10	----	DB	4/01/96	W1,W2 WB,J

W1 Peaks before retention time window.
W2 Peaks after retention time window.
WB Baseline rise at end of retention time window.
J Estimated value or value not accurate i.e. analyte concentration found to be outside the established linear range of quantitation.

FILE: WDNR\GROS

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
GRO BY WISCONSIN LUST MODIFIED	GASOLINE RANGE ORGANICS	39	mg/kg DRY WEIGHT	10	----	DB	3/28/96	W1, W2, WB

W1 Peaks before retention time window.
W2 Peaks after retention time window.
WB Baseline rise at end of retention time window.

Krystyna Czyzo
Lab. Quality Manager

MIDWEST ANALYTICAL SERVICES, INC.
METROPOLITAN CENTER FOR HIGH TECHNOLOGY
2727 SECOND AVENUE DETROIT, MI 48201

CHAIN OF CUSTODY RECORD & SAMPLE ANALYSIS REQUEST

PHONE #: 800-4MAS (313) 994-3680
FAX #: (313) 964-2339

CLIENT: CHRYSLER | SAMPLE COLLECTOR: ARK
P.O.#: | RELEASE OR REFERENCE: Ross CREIGHTON
JOB #: ~~943324~~ W963873.EPI | F/N | TEL #: 291-8840
PROJECT:
RESULTS TO THE ATTENTION OF: Ross CREIGHTON | NEED FAXED: YES: ☐ NO: ☐

PAGE 1 OF 1
NORMAL ✓
RUSH

DETECTION LIMITS (DL)

G-GLASS
P-PLASTIC Brown (X)

ITEM #	SAMPLE IDENTIFICATION	LOCATION	DATE/TIME SAMPLED	SAMPLE *ORIGIN	SAMPLE MATRIX	ANALYSIS METHOD 1,00 DL	ANALYSIS METHOD WORK (826) DL	ANALYSIS METHOD GRO DL	ANALYSIS METHOD DURMOD DL	ANALYSIS METHOD WDURMOD DL	ANALYSIS METHOD DRY WGT DL	ANALYSIS METHOD #	CONTAINERS SIZE	CONTAINERS TYPE	PRESERVATIVE	LAB USE ONLY MAS # & PHYS. DESC.
1	65LR1-1	Pile 1	3-21-96 10:26	7	Soil	✓	✓	✓	✓			5	2oz	Glass	LOC CRO MeOH	60325001
2	65LR1-3	Pile 1	" 10:43	"	"	✓	✓	✓	✓			5	2oz	Glass	LOC CRO MeOH	-2
3	65LR1-5	Pile 1	" 10:55	"	"	✓	✓	✓	✓			5	2oz	Glass	LOC CRO MeOH	3
4	65LR2-1	Pile 2	" 11:00	"	"	✓	✓	✓	✓			5	2oz	Glass	LOC CRO MeOH	4
5	65LR2-2	Pile 2	" 11:06	"	"	✓	✓	✓	✓			5	2oz	Glass	LOC CRO MeOH	5
6	65-LR2-4	Pile 2	" 11:17	"	"	✓	✓	✓	✓			5	2oz	Glass	LOC CRO MeOH	6
													40ml	Glass		

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME
	3-21-96 1830		3/22/96
	3/22/96		
FED EX	3/23/96 11A	RECEIVED FOR LAB BY: N. Brock	3/23/96 11A

* SAMPLE ORIGIN
1. DRINKING WATER
2. N.P.D.E.S.
3. WASTE WATER - CITY: _____
4. STORM WATER
5. TCLP WASTE
6. MDNR
7. WDNR
8. INTERNAL USE
9. RESEARCH
10. AIR
11. OTHER: _____

LAB USE ONLY:
STATUS OF THE SAMPLE RECEIVED:
TRANSPORT TEMPERATURE ON ICE
SEALED ☐ NOT SEALED ☐
RECEIVED BY:
MAIL ☐ DROP OFF ☐

FIELD CHARGES:
FIELD HOURS ☐
SET UP ☐
ISCO CHARGE ☐
PICK UP: ____ OF ____
C ☐ NC ☐

COMMENTS _____

WHITE - MIDWEST COPY | YELLOW - DUPLICATE COPY | PINK - CLIENT COPY

MIDWEST [redacted] LYTICAL SERVICES, INC.
METROPOLITAN CENTER FOR HIGH TECHNOLOGY
2727 SECOND AVENUE DETROIT, MI 48201

CHAIN [redacted] CUSTODY RECORD & SAMPLE ANALYSIS REQUEST

PHONE #: [redacted] 801-4MAS (313) 994-3680
FAX #: (313) 964-2339

CLIENT: CROSSLINK
SAMPLE COLLECTOR: MIKE
P.O.#:
RELEASE OR REFERENCE: ROSS CREIGHTON
JOB #: [redacted] W963373.EPI F/N
TEL #: 241-4646
PROJECT:
RESULTS TO THE ATTENTION OF: ROSS CREIGHTON
NEED FAXED: YES ☐ NO ☐

DETECTION LIMITS (DL)

PAGE 1 OF 1
NORMAL ✓
RUSH

G-GLASS
P-PLASTIC

ITEM #	SAMPLE IDENTIFICATION	LOCATION	DATE/TIME SAMPLED	SAMPLE ORIGIN	SAMPLE MATRIX	ANALYSIS METHOD	DL	ANALYSIS METHOD	DL	ANALYSIS METHOD	DL	ANALYSIS METHOD	DL	ANALYSIS METHOD	DL	#	CONTAINERS SIZE	CONTAINERS TYPE	PRESERVATIVE	LAB USE ONLY MAS # & PHYS. DESC.
1	65LR1-1	Pile 1	5-21-96 10:46	W	SOIL	✓		✓		✓		✓				5	2oz	G	HNO3	
2	65LR1-3	Pile 1	" 10:43	"	"	✓		✓		✓		✓				5	2oz	G	HNO3	
3	65LR1-5	Pile 1	" 10:55	"	"	✓		✓		✓		✓				5	2oz	G	HNO3	
4	65LR2-1	Pile 2	" 11:00	"	"	✓		✓		✓		✓				5	2oz	G	HNO3	
5	65LR2-2	Pile 2	" 11:00	"	"	✓		✓		✓		✓				5	2oz	G	HNO3	
6	65-LR2-4	Pile 2	" 11:17	"	"	✓		✓		✓		✓				5	2oz	G	HNO3	
																	40ml	G		

RELINQUISHED BY: (SIGNATURE) — DATE/TIME: 5-21-96 1230 — RECEIVED BY: (SIGNATURE) — DATE/TIME: 5-21-96

RECEIVED FOR LAB BY:

* SAMPLE ORIGIN
1. DRINKING WATER
2. N.P.D.E.S.
3. WASTE WATER - CITY:
4. STORM WATER
5. TCLP WASTE
6. MDNR
7. WDNR
8. INTERNAL USE
9. RESEARCH
10. AIR
11. OTHER:

LAB USE ONLY:
STATUS OF THE SAMPLE RECEIVED:
TRANSPORT TEMPERATURE
SEALED ☐ NOT SEALED ☐
RECEIVED BY:
MAIL ☐ DROP OFF ☐

FIELD CHARGES:
FIELD HOURS ☐
SET UP ☐
ISCO CHARGE ☐
PICK UP: ___ OF ___
C ☐ NC ☐

COMMENTS

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Midwest Analytical Services, Inc.

"Where industry comes for answers"

Metropolitan Center for High Technology
2727 Second Avenue
Detroit, Michigan 48201

A2LA Accredited Certification # 0381-01
State of Wisconsin Certification #999941580
State of New Jersey Certification #62733
State of North Dakota Certification #R-085

P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

Date :15-Apr-96

Client : ROSS CREIGHTON
TRIAD ENGINEERING, INC.

Mas# : 60325029

Sample I.D. : METHANOL TRIP BLANK 3/21/96

The above mentioned project has been completed in accordance with the quality control and quality assurance criteria specified by the American Association of Laboratory Accreditation/SW 846/MDNR/WDNR and EPA references from 40 CFR part 136 guidelines.

For your convenience the following legend applies to all the following data sheets.
1. Reports shall not be reproduced, except in full, without written approval of Midwest Analytical Services, Inc.
2. N/D=Not detected above Estimated Quantitation Limit, N/A=Not applicable
3. Results relate only to the items tested.
4. mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)
µg/l, µg/kg, µg/kg(dry weight) equal ppb(parts per billion)

If you have any questions regarding this project please feel free to contact me at 1-800-801-4MAS or 1-313-964-3680.

Thanking You,

Sincerely,

Krystyna Czyzo

Krystyna Czyzo
Lab. Quality Manager

Midwest Analytical Services, Inc.

"Where industry comes for answers"

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2727 Second Avenue
Detroit, Michigan 48201

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State of New Jersey Certification #62733
State of North Dakota Certification #R-085

P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 2 9

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 03-Apr-96

JOB #: W963873.EP1

SAMPLE IDENTIFICATION: METHANOL TRIP BLANK 3/21/96
PHYSICAL DESCRIPTION: LIQUID

FILE:WDNR/VOCW

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/l		-----	EH	3/29/96	
	BENZENE	N/D		25				
	BROMOBENZENE	N/D		25				
	BROMODICHLOROMETHANE .	N/D		25				
	n-BUTYLBENZENE	N/D		25				
	sec-BUTYLBENZENE	N/D		25				
	tert-BUTYLBENZENE .	N/D		25				
	CARBON TETRACHLORIDE	N/D		25				
	CHLOROBENZENE	N/D		25				
	CHLOROETHANE	N/D		25				
	CHLOROFORM	N/D		25				
	CHLOROMETHANE	N/D		25				
	2-CHLOROTOLUENE	N/D		25				
	4-CHLOROTOLUENE	N/D		25				
	1,2-DIBROMO-3-CHLOROPROPANE	N/D		25				
	1,2-DIBROMOETHANE	N/D		25				
	DIBROMOCHLOROMETHANE .	N/D		25				
	1,2-DICHLOROBENZENE	N/D		25				
	1,3-DICHLOROBENZENE	N/D		25				
	1,4-DICHLOROBENZENE	N/D		25				
	DICHLORODIFLUOROMETHANE	N/D		25				
	1,1-DICHLOROETHANE	N/D		25				
	1,2-DICHLOROETHANE	N/D		25				
	1,1-DICHLOROETHENE	N/D		25				
	cis-1,2-DICHLOROETHENE	N/D		25				
	trans-1,2-DICHLOROETHENE	N/D		25				
	1,2-DICHLOROPROPANE	N/D		25				
	1,3-DICHLOROPROPANE	N/D		25				
	2,2-DICHLOROPROPANE	N/D		25				
	DIISOPROPYL ETHER	N/D		250				
	ETHYL BENZENE	N/D		25				
	HEXACHLOROBUTADIENE	N/D		25				
	ISOPROPYLBENZENE	N/D		25				
	p-ISOPROPYLTOLUENE	N/D		25				
	METHYLENE CHLORIDE	N/D		250				
	METHYL TERT BUTYL ETHER	N/D		250				
	NAPHTHALENE	N/D		25				
	n-PROPYL BENZENE	N/D		25				

Krystyna Czyzo
Lab. Quality Manager

Midwest Analytical Services, Inc.

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P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

IN: DLB

TEST REPORT

MAS #:6 0 3 2 5 0 2 9

(continued)

SAMPLE IDENTIFICATION: METHANOL TRIP BLANK 3/21/96
PHYSICAL DESCRIPTION: LIQUID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 8260A	VOLATILE ORGANIC COMPOUNDS		µg/l		—	EH	3/29/96	
	1,1,2,2-TETRACHLOROETHANE	N/D		25				
	TETRACHLOROETHENE	N/D		25				
	TOLUENE	N/D		25				
	1,2,3-TRICHLOROBENZENE	N/D		25				
	1,2,4-TRICHLOROBENZENE	N/D		25				
	1,1,1-TRICHLOROETHANE	N/D		25				
	1,1,2-TRICHLOROETHANE	N/D		25				
	TRICHLOROETHENE	N/D		25				
	TRICHLOROFLUOROMETHANE	N/D		25				
	1,2,4-TRIMETHYLBENZENE	N/D		25				
	1,3,5-TRIMETHYLBENZENE	N/D		25				
	VINYL CHLORIDE	N/D		25				
	m & p-XYLENES	N/D		50				
	o-XYLENE	N/D		25				

FILE: WDNR\GROW

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANT. LIMIT	REG. LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
GRO BY WISCONSIN LUST MODIFIED	GASOLINE RANGE ORGANICS	N/D	mg/l	10	----	DB	3/28/96	

Krystyna Czyzo
Lab. Quality Manager

Company Name: CHRYSLER KENOSHA

Branch or Location:

Project Contact:

Telephone:

Project Number: 963890.EP4

Project Name:

Project Location:

Sampled By (Print): Alan Kolberg Keith Brightman

Regulatory Program *(circle)*: UST RCRA CLP SDWA

NPDES/WPDES CAA NR_____ Other_____

EN CHEM INC.

☑ 1241 Bellevue St., Suite 9
Green Bay, WI 54302
414-469-2436 • 1-800-736-2436
FAX 414-469-8827

☐ 2231 Catlin Ave., Suite 420
Superior, WI 54880
715-392-5844 • 1-800-837-8238
FAX 715-392-5843

CHAIN OF CUSTODY

NR720 Confirmation Analysis Required?

(En Chem will confirm unless otherwise instructed.)

Page 1 of 1

Mail Report To: Ross Creighton

Company: TRIAD Engineering

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

Invoice To:

Company:

Address:

P.O. No.: 963890.EP4 Quote No.:

Field ID	Sample Description	Collection Date	Collection Time	Field Screen	Matrix	Filt'd Y/N	Preserv*	Analysis Requested	Good Cond.	Total Bottles	Comments	Laboratory Number
	SHADED AREA FOR LABORATORY USE ONLY											
HYDGS-01	DRY WEIGHT 24.9g GRO - ~~25.0g~~ DRO - ~~25.0g~~ 25.1g	5-29-96	1415	801	Soil	N	GRO-F DRO-A DW-A	GRO(w DNR modified) DRO(w DNR modified + 5min) DRY weight	X	1-5oz 1-2oz	MeOH	183435
HYDGS-02	DRY WEIGHT GRO - 25.0g DRO - 25.0g	5-29-96	1425	21.2	Soil	N	GRO-F DRO-A DW-A	GRO(w DNR modified) DRO(w DNR modified +5 mins) DRY WEIGHT				183436
HYDGS-03	DRY WEIGHT GRO - 24.9g DRO - 25.0g	5-29-96	1435	0.0	Soil	N	GRO-F DRO-A DW-A	GRO (w DNR modified) DRO (w DNR modified +5min) DRY WEIGHT				183437
HYDGS-04	DRY WEIGHT GRO - 24.9g DRO - 25.0g	5-29-96	1445	0.0	Soil	N	GRO-F DRO-A DW-A	GRO (w DNR modified) DRO (w DNR modified +5mins) DRY WEIGHT				183438
HYDGS-05	DRY WEIGHT GRO 25.1g DRO 24.9g	5-29-96	1455	6.2	Soil	N	GRO-F DRO-A DW-A	GRO(w DNR modified) DRO(w DNR modified) DRY WEIGHT				183439
HYDGS-06	DRY WEIGHT GRO - 25.0g DRO - 24.9g	5-29-96	1505	0.0	Soil	N	GRO-F DRO-A DW-A	GRO(w DNR modified) DRO(w DNR modified +5mins) DRY WEIGHT				183440
	Methanol Blank								↓	1-40ml		183441
								Please report each CHAIN seperately				
								All GRO samples contain 20mls of Methanol				

*Preservation Code

A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume methanol added and mark the appropr samples.

Relinquished By:	Date/Time:	Received By:	En Chem Project No.
Ellen Reilly	5-29-96 1724	[illegible] 5/30/96 11:00	9605783
[illegible]	5/31/96 10:00	[illegible]	Sample Receipt Temp. (Must be rec'd at 4°C)
[illegible]	Date/T [illegible] 17:00	Received By (En Chem): [illegible]	R.O.

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
En Chem Proj# : 9605783
Date Reported : 06/05/1996

Report to: TRIAD

Thank you for using En Chem! Samples were analyzed according to strict EPA or Wisconsin DNR methodology. Any comments or problems associated with the receipt of or analysis are reported below:

Sample no. 183435: GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.
Front peaks outside of DRO window, indicating lighter fuels are present. Peaks late in DRO window and beyond DRO window; along with some baseline rise. Diesel range peaks present.

Sample no. 183436: Peaks late in DRO window and beyond DRO window; along with some baseline rise.
GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.

Sample no. 183437: Fuel hump late in and beyond DRO window, with some baseline rise.
GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.

Sample no. 183438: Fuel hump late in and beyond DRO window, with some baseline rise.
GRO chromatogram shows one early eluting unknown peak.

Sample no. 183439: GRO chromatogram had low level late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or weathered gas.
Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 183440: Fuel hump late in and beyond DRO window, with some baseline rise.
GRO chromatogram shows two early eluting unknown peaks. Low level late eluting peaks were also present.

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Green Bay, WI 54302
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800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: HYD65-01
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605783 Date Received : 05/30/1996
En Chem Lab # : 183435 Date Reported : 06/05/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	89	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	290	mg/kg	11		05/31/1996	WDNR MOD GRO	06/04/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	170	mg/kg	8.6		05/31/1996	WDNR MOD DRO	06/02/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

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Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: HYD65-02
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605783 Date Received : 05/30/1996
En Chem Lab # : 183436 Date Reported : 06/05/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	92	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	26	mg/kg	2.7		05/31/1996	WDNR MOD GRO	06/04/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	3500	mg/kg	210		05/31/1996	WDNR MOD DRO	06/01/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

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Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: HYD65-03
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605783 Date Received : 05/30/1996
En Chem Lab # : 183437 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	82	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	6.7	mg/kg	3.0		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	480	mg/kg	16		05/31/1996	WDNR MOD DRO	06/02/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: HYD65-04
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605783 Date Received : 05/30/1996
En Chem Lab # : 183438 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	90	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.8		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	28	mg/kg	4.5		05/31/1996	WDNR MOD DRO	06/01/1996	PHS
	Soil spike	86	% RECOV	50					
	Soil spike duplicate	93	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: HYD65-05
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605783 Date Received : 05/30/1996
En Chem Lab # : 183439 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	92	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	3.1	mg/kg	2.7		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	160	mg/kg	4.3		05/31/1996	WDNR MOD DRO	06/02/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

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. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: HYD65-06
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605783 Date Received : 05/30/1996
En Chem Lab # : 183440 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	90	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	3.6	mg/kg	2.8		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	87	mg/kg	4.3		05/31/1996	WDNR MOD DRO	06/02/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

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414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID:
Sample Desc. : METHANOL BLANK
Sample Matrix : METHANOL Date Collected: 05/29/1996
En Chem Proj# : 9605783 Date Received : 05/30/1996
En Chem Lab # : 183441 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO	Gasoline Range Organics(GRO)-Water	ND	ug/l	2500		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Blank spike	97	% RECOV	50					
	Blank spike duplicate	99	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

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Company Name: CHRYSLER - Kenosha

Branch or Location:

Project Contact:

Telephone:

Project Number: 963840.EP4

Project Name:

Project Location:

Sampled By (Print): Alan Kolberg Keith Brighton

Regulatory Program *(circle)*: UST RCRA CLP SDWA

NPDES/WPDES CAA NR_____ Other_____

EN CHEM INC.

1241 Bellevue St., Suite 9
Green Bay, WI 54302
414-469-2436 • 1-800-736-2436
FAX 414-469-8827

2231 Catlin Ave., Suite 420
Superior, WI 54880
715-392-5844 • 1-800-837-8238
FAX 715-392-5843

CHAIN OF CUSTODY

NR720 Confirmation Analysis Required?

(En Chem will confirm unless otherwise instructed.)

Page _____

Mail Report To: Ross Creighton

Company: TRIAD Engineering

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

Invoice To:

Company:

Address:

P.O. No.: 963890.EP4 Quote No.:

Field ID	Sample Description	Collection Date	Collection Time	Field Screen	Matrix	Filt'd Y/N	Preserv*	Analysis Requested	SHADED AREA FOR LABORATORY USE ONLY: Good Cond.	Total Bottles	Comments	Laboratory Number
NORGS-1	DRY weight DRO - 25.8g GRO - 25.5g	5/29/96	1130		S	N	GRO-F DRO-A DW-A	GRO (WDNR MODIFIED) DRO (WDNR MODIFIED +5 mins) DRY WEIGHT	X	1-5oz 1-2oz 1-2oz-MeOH		183442
NORGS-2	DRY weight DRO - 25.2g GRO - 24.8g	5/29/96	1140		S	N	GRO-F DRO-A DW-A	GRO (WDNR MODIFIED) DRO (WDNR MODIFIED +5 mins) DRY WEIGHT				183443
NORGS-3	DRY weight DRO - 25.0g GRO - 25.1g	5/29/96	1155		S	N	GRO-F DRO-A DW-A	GRO (WDNR MODIFIED) DRO (WDNR MODIFIED +5 mins) DRY WEIGHT				183444
NORGS-4	DRY weight DRO - 24.9g GRO - 25.1g	5/29/96	1205		S	N	GRO-F DRO-A DW-A	GRO (WDNR MODIFIED) DRO (WDNR MODIFIED +5 mins) DRY WEIGHT				183445
NORGS-5	DRY weight DRO - 25.0g GRO - 25.1g	5/29/96	1215		S	N	GRO-F DRO-A DW-A	GRO (WDNR MODIFIED) DRO (WDNR MODIFIED +5 mins) DRY WEIGHT				183446
NORGS-6	DRY weight DRO - 25.1 GRO - 25.0g	5/29/96	1225		S	N	GRO-F DRO-A DW-A	GRO (WDNR MODIFIED) DRO (WDNR MODIFIED +5 mins) DRY WEIGHT				183447
CFNGS-01	DRY weight DRO - 25.0g GRO - 25.0g	5/24/96	1515		S	N	GRO-F DRO-A DW-A	GRO (WDNR MODIFIED +5 mins) DRO (WDNR MODIFIED +5 mins) DRY WEIGHT				183448
CFNGS-02	DRY weight DRO - 25.7g GRO - 25.1g	5/24/96	1525		S	N	GRO-F DRO-A DW-A	GRO (WDNR MODIFIED +5 mins) DRO (WDNR MODIFIED +5 mins) DRY WEIGHT				183449
	methanol Blank								X	1-40ml	GRO ALL 15 samples	183450 COC Num
								Please report each chair seperately		20 mls of methanol		

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	En Chem Project No.
John Reilly	5-30-96 11:00	W. John Burke	9605784
W. John Burke	5/30/96 12:00	Isaac Lewis	Sample Receipt Temp. *(Must be rec'd at 4°C)*
[illegible]	5/31/96 17:00	[illegible]	ROI

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Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
En Chem Proj# : 9605784
Date Reported : 06/04/1996

Report to: TRIAD

Thank you for using En Chem! Samples were analyzed according to strict EPA or Wisconsin DNR methodology. Any comments or problems associated with the receipt of or analysis are reported below:

Sample no. 183442: GRO chromatogram had low level late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.

Sample no. 183445: Fuel hump late in and beyond DRO window, with some baseline rise. Mainly diesel range peaks present.
GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.

Sample no. 183446: GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.
Front peaks outside of DRO window, indicating lighter fuels are present. Fuel hump late in and beyond DRO window, with some baseline rise. Diesel range peaks present.

Sample no. 183447: GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.
Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 183448: Soil to Methanol ratio not a 1:1 ratio for GRO analysis(13.9g/20ml). It appears that some of the methanol may have leaked out of the container. A methanol leak would create an apparent low sample weight.
Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 183449: Fuel hump late in and beyond DRO window, with some baseline rise.

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Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: NDR65-1
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183442 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	92	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.7		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	4.9	mg/kg	4.2		05/31/1996	WDNR MOD DRO	05/31/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

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Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: NDR65-2
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183443 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	90	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.8		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	6.9	mg/kg	4.3		05/31/1996	WDNR MOD DRO	05/31/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

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FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: NDR65-3
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183444 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	88	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.8		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	7.5	mg/kg	4.4		05/31/1996	WDNR MOD DRO	05/31/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

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Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: NDR65-4
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183445 Date Reported : 06/05/1996

Report to: TRIAD
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MILWAUKEE, WI 53202

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Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	90	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	240	mg/kg	11		05/31/1996	WDNR MOD GRO	06/04/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	930	mg/kg	31		05/31/1996	WDNR MOD DRO	06/02/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

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Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: NDR65-5
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183446 Date Reported : 06/05/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

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Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	90	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	38	mg/kg	2.8		05/31/1996	WDNR MOD GRO	06/04/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	23	mg/kg	4.2		05/31/1996	WDNR MOD DRO	05/31/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

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Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: NDR65-6
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183447 Date Reported : 06/04/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

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Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	87	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	47	mg/kg	2.9		05/31/1996	WDNR MOD GRO	06/03/1996	PMS
	Soil spike	97	% RECOV	50					
	Soil spike duplicate	99	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	520	mg/kg	18		05/31/1996	WDNR MOD DRO	06/02/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

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Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: CFN65-01
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183448 Date Reported : 06/05/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

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Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	94	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	4.4	mg/kg	3.8		06/03/1996	WDNR MOD GRO	06/04/1996	BSJ
	Soil spike	107	% RECOV	50					
	Soil spike duplicate	110	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	48	mg/kg	4.2		05/31/1996	WDNR MOD DRO	06/02/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

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Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID: CFN65-02
Sample Desc. :
Sample Matrix : SOIL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183449 Date Reported : 06/05/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	94	percent				SM2540G	06/03/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.7		06/03/1996	WDNR MOD GRO	06/04/1996	BSJ
	Soil spike	107	% RECOV	50					
	Soil spike duplicate	110	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	5.5	mg/kg	4.2		05/31/1996	WDNR MOD DRO	05/31/1996	PHS
	Soil spike	72	% RECOV	50					
	Soil spike duplicate	74	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

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800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : CHRYSLER KENOSHA #963890.EP4
Your Sample ID:
Sample Desc. : METHANOL BLANK
Sample Matrix : METHANOL Date Collected: 05/29/1996
En Chem Proj# : 9605784 Date Received : 05/30/1996
En Chem Lab # : 183450 Date Reported : 06/05/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO	Gasoline Range Organics(GRO)-Water	ND	ug/l	2500		06/03/1996	WDNR MOD GRO	06/04/1996	BSJ
	Blank spike	107	% RECOV	50					
	Blank spike duplicate	110	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

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ATTACHMENT D

BUILDING 43-B AND 44-C
SOIL ANALYTICAL DATA

ATTACHMENT D
BUILDING [illegible] SOIL SAMPLES
SUMMARY OF DETECTED [illegible] ORGANIC COMPOUNDS IN SOIL
CHRYSLER CORPORATION, KENOSHA ENGINE PLANT
PROFILE EXT. REQUEST NO. 4

SAMPLE I.D.	DATE COLLECTED	COMPU CHEM LAB ID	EN CHEM LAB ID	Results (micrograms per kilograms)																															mg/kg	
				BENZENE	n-BUTYLBENZENE	sec-BUTYLBENZENE	tert-BUTYLBENZENE	CHLOROBENZENE	CHLOROMETHANE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	cis-1,2-DICHLOROETHENE	trans-1,2-DICHLOROETHENE	ETHYL BENZENE	HEXACHLOROBUTADIENE	ISOPROPYLBENZENE	p-ISOPROPYLTOLUENE	METHYLENE CHLORIDE	NAPHTHALENE	n-PROPYL BENZENE	TETRACHLOROETHENE	TOLUENE	1,2,3-TRICHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHENE	1,2,4-TRIMETHYLBENZENE	1,3,5-TRIMETHYLBENZENE	XYLENE (TOTAL)	m & p-XYLENE	o-XYLENE	GRO	DRO
GP44-401A/2-4'	4/25/96	799184	178908	<52	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	290B	120B	<100	<52	<100	54JB	<100	<100	<100	<52	<100	<100	<100	<100	<100	5.0	12.0
GP44-403A/4-6'	4/25/96	799186	178909	<59	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	320B	100JB	<120	<59	<120	<120	<120	<120	<120	<59	<120	<120	<120	<120	<120	<2.9	<4.6
GP44-406A/2-4'	4/25/96	799185	178910	<54	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	300B	<110	<110	<54	<110	<110	<110	<110	<110	<54	<110	<110	<110	<110	<110	<2.7	38.0
GP44-MEOH BLANK	4/25/96	NA	178911	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.5	NA
GP44-407A/4-6'	4/25/96	799194	178912	<57	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	330B	<110	<110	<57	<110	<110	<110	<110	<110	<57	<110	<110	<110	<110	<110	<2.9	5.9
GP44-406C/4-6'	4/25/95	799189	178913	<76	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150	410B	100JB	<150	<76	<150	<150	<150	<150	<150	<76	<150	<150	<150	<150	<150	<2.9	<4.6
GP44-404C/2-4'	4/25/96	799183	178914	<51	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	84J	<100	<100	310B	320B	<100	<51	<100	190B	62JB	<100	<100	<51	<100	<100	<100	<100	<100	<2.6	<3.8
GP44-402C/4-6'	4/25/96	799196	178915	<79	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	410B	<160	<160	<79	<160	<160	<160	<160	<160	<79	<160	<160	<160	<160	<160	<3.4	<5.3
GP44-407C/2-4'	4/25/96	799193	178916	<53	<110	<110	<110	<110	<110	<110	<110	<110	74J	<110	<110	<110	<110	<110	<110	<110	330B	91J	<110	<53	<110	<110	<110	<110	<110	<53	<110	<110	<110	<110	<110	<2.6	24.0
GP44-409C/2-4'	4/25/96	799190	178917	<53	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	300B	180B	56J	<53	<110	<110	<110	<110	<110	<53	80JB	<110	<110	<110	<110	<2.7	210.0
GP44-409A/2-4'	4/26/96	799192	179050	<52	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	340B	410	<100	<52	<100	<100	<100	<100	<100	1300	<100	<100	<100	<100	<100	<2.6	120.0
GP44-406B/2-4'	4/26/96	799195	179051	<54	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	280B	<110	<110	<54	<110	<110	<110	<110	<110	<54	<110	<110	<110	<110	<110	<2.7	100.0
GP44-409B/4-6'	4/26/96	799187	179052	<56	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	300B	130B	<110	<56	<110	<110	<110	<110	<110	<56	<110	<110	<110	<110	<110	<2.8	180.0
GP44-404B/2-4'	4/26/96	799188	179053	<52	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	290B	99JB	<100	<52	<100	<100	<100	<100	<100	<52	<100	<100	<100	<100	<100	<2.5	8.0
GP44-402B/2-4'	4/26/96	799180	179054	<52	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	270B	<100	<100	<52	<100	<100	<100	<100	<100	<52	<100	<100	<100	<100	<100	3.9	22.0
MEOH BLANK	4/26/96	799197	179055	<50	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	390	170	<100	<50	<100	96J	72J	<100	<100	<50	72J	66J	100	110	<100	<2.5	NA
GP44-407B/4-6'	4/26/96	799191	179056	<54	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	300B	<110	<110	<54	<110	<110	<110	<110	<110	<54	<110	<110	<110	<110	<110	<2.9	100.0

COMPUCHEM performed the Voc analysis.
EN CHEM performed the DRO and GRO analysis.
NA-analysis not performed.
J-estimated value.
B-analyte is found in the associated blank as well as the sample.

ATTA[redacted]NT D
BUILDING 4[redacted]L SAMPLES
SUMMARY OF PROTOCOL B DATA
CHRYSLER CORPORATION, KENOSHA ENGINE PLANT
PROFILE EXT. REQUEST NO. 4

SAMPLE I.D.	DATE COLLECTED	LAB IDENTIFICATION[1]	RESULTS												
			pH	APP. SPECIFIC GRAVITY	TOTAL SOLIDS	PAINT FILTER TEST	IGNITABILITY	CHLORIDE	REACTIVE SULFIDE	REACTIVE CYANIDE	TCLP PHENOL	PCBS	TCLP METALS	TCLP VOLATILES	TCLP SEMI-VOLATILES
		UNITS	units	-	%	%	°F	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/l	mg/l	mg/l
GP44-406C	4/25/96	60430024	8.40	2.1	92	0	>200	<1.0	<10	<1.0	<0.1	<1.0	ND	ND	ND
GP44-404B	4/25/96	60430025	8.75	1.8	86	0	>200	<1.0	<10	<1.0	<0.1	<1.0	ND	ND	ND

(1) Analysis Performed by Midwest Analytical Services, Inc.

CHRYSLER CORPORATION — Chain of Custody

№ 049 A

Chrysler - Kenosha Engine Plant

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

Project Name: Building 44 - Prelim. Soil & GW Characterization
Site Code: SC024
Release Number: 9600138
Chrysler PM: Curtis Chapman

Consultant PM: Trinel / Ross Creighton
Address: 325 E Chicago Street, Milwaukee WI. 53201
Phone: 414-291-8840 Fax: 414-291-8841

00004

Turnaround Time Request: Normal - 10 day

Sampler(s): Ross Creighton, Kurt Waldhenter

Compound List-Parameter/Method/Bottle Type/Preservative

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

Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs/8260-WI/8oz wide mouth/MeOH, 4°C	Dry Weight/ 15oz plastic/4°C	Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other	Remarks
GP44-401A/2-4'	4/25/96	8:51	G	S	2	1	1					25.0g S, 20ml MeOH-VOCs
GP44-403A/4-6'	4/25/96	~~10:18~~ 9:34	G	S	2	1	1					31.9g S., 20ml MeOH-VOCs
GP44-406A/2-4'	4/25/96	10:26	G	S	2	1	1					25.6g S., 20ml MeOH-VOCs
~~GP44-MeOH Blank~~	4/25/96	12:00	G	O	1	1						~~25.6g S., 20ml MeOH-VOCs~~ RMC
GP44-407A/4-6'	4/25/96	12:26	G	S	2	1	1					26.8g S, 20ml MeOH · VOCs
GP44-406C/4-6'	4/25/96	13:32	G	S	2	1	1					27.4g S, 20ml MeOH VOCs
GP44-404C/2-4'	4/25/96	14:57	G	S	2	1	1					27.1g S, 20ml MeOH-VOCs
GP44-402C/4-6'	4/25/96	16:02	G	S	2	1	1					28.3g S, 20 ml MeOH-VOCs
GP44-407C/2-4'	4/25/96	16:59	G	S	2	1	1					24.0g S, 20 ml MeOH-VOCs
GP44-409C/2-4'	4/25/96	18:27	G	S	2	1	1					24.6g S, 20 ml MeOH-VOCs

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

Bottles Reliquished under Airbill No.

Relinquished by:	Date:	Time:
Ross M. Creighton	4/26/96	16:30

Samples Relinquished under Airbill No.

Received by:	Date:	Time:	Custody Seal Intact?
			Yes No
Received by:	Date:	Time:	Custody Seal Intact?
			Yes No
Received for Laboratory by: Stephanie Winfield	Date: 4-27-96	Time: 1105	Custody Seal Intact? (Yes) No

Temperature (corrected) 5 C

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

Comments: If you can only use 8 symbols for ID, Ignor GP44 designation, Use 401A/2-4', 403A/4-6' ect. MeOH Blk

See attached tare-weight sheet for bottle weights

Revision

Created: [illegible] 17, 1995

CHRYSLER CORPORATION — Chain of Custody

№ 1048 A

CHRYSLER - KENOSHA ENGINE PLANT

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

Project Name: BUILD. 44-PRELIM. SOIL & G.W. CHARAC.
Site Code: SC024
Release Number: 9600138
Chrysler PM: CURTIS CHAPMAN

Consultant PM: TRIAD / ROSS CREIGHTON
Address: 325 E. CHICAGO STREET
MILWAUKEE, WI 53201
Phone: 414-291-8840 Fax: 414-291-8841

Turnaround Time Request: NORMAL - 10 DAY

Sampler(s): ROSS M. CREIGHTON
KURT R. WALDHUETTER

Compound List-Parameter/Method/Bottle Type/Preservative

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

Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs/8260-WI/2oz wide mouth/MeOH, 4°C.	Dry Weight/ 1 5oz wide mouth plastic/4°C		VOCs/8260-WI List/ 60ml vial, HCl 4°C	PCBs/8080/1LAmber/ 4°C						Lab Use Only: Volatiles pH<2 / Metals pH<2 / Cyanide pH>12 / Other	Remarks
GP44-409A/2-4'	4/26/96	7:27	G	S	2	1	1										VOCs 25.7g soil, 20ml MeOH
GP44-406B/2-4'	4/26/96	8:13	G	S	2	1	1										VOCs 24.9g soil, 20ml MeOH
GP44-409B/4-6'	4/26/96	9 TIME 10:12	G	S	2	1	1										VOCs 27.9g, "
GP44-404B/2-4'	4/26/96	11:06	G	S	2	1	1										VOCs 25.5g, "
GP44-402B/2-4'	4/26/96	12:06 RM 12:45	G	S	2	1	1										VOCs 25.7g, "
GP44-407B/4-6'	4/26/96	9:58	G	S	2	1	1										
GP44-406C	4/26/96	11:50	G	GW	3				2	1							Not sure if included on PARF. call Ross C.
GP44-407C	4/26/96	10:45	G	GW	3				2	1							
Trip Blank	NA	NA							1								

S = Soil

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

Bottles Reliquished under Airbill No.

Relinquished by:	Date:	Time:
Ross M. Creighton	4/26/96	16:30

Samples Relinquished under Airbill No. Temperature (corrected) 5 C

Received by:	Date:	Time:	Custody Seal Intact?
			Yes No
			Yes No
Stephanie M Winfield	4-27-96	1105	(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

Comments: If shorter ID needed, disregard GP44 designation, Use 409A/2-4', 406B/2-4' ect.
See attached tare-weight sheet & bottle weights

Revisio 0
Createu 17, 1995

COMPUCHEM
ENVIRONMENTAL
CORPORATION

13/MAY/96

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

Subject: Report of Data - Account Number# 500957 Order# 32224

ATTN: ROSS CREIGHTON

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

This report covers 16 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,

Stephanie W Winfield

Report Preparation
CompuChem Laboratories, Inc.

Attachment

COMPUCHEM
ENVIRONMENTAL
CORPORATION

13/MAY/96

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

ACCOUNT #: 500957

CC#	SAMPLE-ID	RECEIPT DATE
799180	402B-2-4	4/27/96
799183	404C-2-4	4/27/96
799184	401A-2-4	4/27/96
799185	406A-2-4	4/27/96
799186	403A-4-6	4/27/96
799187	409B-4-6	4/27/96
799188	404B-2-4	4/27/96
799189	406C-4-6	4/27/96
799190	409C-2-4	4/27/96
799191	407B-4-6	4/27/96
799192	409A-2-4	4/27/96
799193	407C-2-4	4/27/96
799194	407A-4-6	4/27/96
799195	406B-2-4	4/27/96
799196	402C-4-6	4/27/96
799197	MEOHBLANK	4/27/96

TOTAL NUMBER OF SAMPLES = 16

COMPUCHEM
ENVIRONMENTAL
CORPORATION

SDG NARRATIVE
CASE # 32224
SDG # 00001
CONTRACT # 500957

Sample Identifications: 401A-2-4, 402B-2-4, 402C-4-6, 403A-4-6, 404B-2-4, 404C-2-4, 406A-2-4, 406B-2-4, 406C-4-6, 407A-4-6, 407B-4-6, 407C-2-4, 409A-2-4, 409B-4-6, 409C-2-4, MEOHBLANK

The sixteen (16) soil samples listed above were received intact, properly refrigerated, with proper documentation, in a sealed shipping container, on April 27, 1996. The samples were scheduled for the requested analysis of the volatile fraction. These samples were analyzed following SW-846 8260 method protocol with the exceptions and/or additions described in the attached Project Profile Sheet (PPS) #499. The percent moistures of these soil samples ranged from 2 to 37.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case 32224, SDG 00001, are included in the sample data sections.

Volatiles
All of the samples were analyzed within holding time requirements. There were some chlorinated alkane, chlorinated alkene, polyaromatic hydrocarbon (PAH), and aromatic target analytes identified above reporting limits in the samples.

The system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated instrument blanks met all quality control criteria. The requested target analyte methylene chloride was found in the instrument blanks at concentrations within acceptance criteria limits. The methanol blank MEOHBLANK contained the target analytes methylene chloride, m,p-xylene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1,2,4-trichlorobenzene, naphthalene, and 1,2,3-trichlorobenzene.

407B-4-6 was used as the original to prepare the duplicate matrix spikes. The associated duplicate matrix spikes met all advisory accuracy and precision criteria. The associated laboratory control samples met all 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

COMPUCHEM
ENVIRONMENTAL
CORPORATION

Laboratory Manager or his designee, as verified by the following signature.

Jean M. Zimmerman
Final Technical Reviewer
May 10, 1996

NO. 499

CompuChem Laboratories, Inc.

Fill out COMPLETELY PROJECT PROFILE SHEET REVISION# : ____

DATE : 5-3-96 Revision Date : ____

ACCOUNT NUMBER : 500957
ORDER NUMBER :
PROJECT NAME : BUILDING 44
Project Start Date : 4-25-96
Project End Date : 7-31-96

QUOTE # :
PO # : VGOP9600138

COMPANY NAME : TRIAD ENGINEERING Inc.
Mailing ADDRESS #1 : 325 East Chicago Street
COPIES : 2 Suite 400
1 bound Milwaukee, WI 53201
1 unbound Attn: Ross Creighton
Mailing ADDRESS #2 :
COPIES : ____

Address for INVOICES #1 : Chrysler Technical Center
COPIES : ____ 800 Chrysler Drive
Auburn Hills, MI 48326
Attn: Curt Chapman

Address for INVOICES #2 :
COPIES : ____

Address for SAMPLESAVERS :

PROJECT TEAM
SALES : Jean McCloskey Ext. 1633
CUST. SERV. : Ext.
PROJ MGR : Stephanie Winfield Ext. 2456

CLIENT CONTACTS
PROJ MGR : Ross Creighton
PHONE# : (414) 291-8840
FIELD/OTHER :
PHONE# : ( )
BILLING : Curt Chapman
PHONE# : (810) 576-7355

****
VERBAL TAT : ____
HARDCOPY TAT : 10 day
****

SUBCONTRACT WORK TO : N/A

SAMPLE DISPOSITION : normal
EXTRACT DISPOSITION : normal
DATA RETENTION (If other than 5 yrs.): 6 YRS

ANALYZE TRIP BLANK : (YES) NO
BILL FOR SAMPLESAVERS : YES (NO) ____
BILLABLE QC : YES (NO)
BILLABLE REPEATS : YES (NO)
ADDITIONAL COMMENTS : ____

DISKETTE REQUIRED : (YES) NO
STYLE : ____ FORMAT A (CLP-like disk) # COPIES : ____
X CONVERTED disk (Note conversion program name on line below) # COPIES : 1
-- CompuChem Spreadsheet --
SPECIAL INST.: on 3½" disk

MONTHLY PROGRESS REPORT
REQUIRED : ___ Yes X No Level : ____
____ HAZWRAP ____ OTHER :
____ NEESA
HAZWRAP GENERAL ORDER #:
SPEC. INST. :

CompuChem Laboratories, Inc. NO. 499
PROJECT PROFILE SHEET

DATE: 5-3-96
CLIENT: Chrysler / Triad
PROJECT: Building 44

REVISION# : ____
Revision Date : ____

ALL :

___ PENALTIES if late: ___% @ ___ days; ___% @ ___ days; ___% @ ___ days — Other :

___ PREMIUMS if early: ___% @ ___ days; ___% @ ___ days; ___% @ ___ days

X Internal Chain-of-Custody procedures required: ___ NJDEP X Other(Chrysler)

Holding Times from : ___ VTSR (for:)
from: X VTOS (for: all parameters)

CUSTOMER SERVICE : Other :

Enter in lab instructions (Max. 25 spaces):

X See PPS# 499 ___ Diskettes Required

___ Use for QC( ) ___ F Blank/T Blank

Other:

___ Weekly QUIZ report required ___ Holding Time priority

RECEIVING : Other :

___ Screen VOA / RAD / ___ samples — need 2 labels per sample

___ Return client cooler(s) to this address:

___ Truncate IDs as follows: ____

Create SDGs: X Weekly ___ Bi-Weekly ___ Other:

___ Potentially radioactive samples

X Schedule unique SDG for Trip/Field/etc. Blanks

PP&C : Other :

X Blank Spikes Required AS LCS — VOA follow new Wisconsin MeOH pres. method

___ Possible high / low concentration samples — use plastic container to do dry weight

___ Total/Dissolved Metals — choose QC

pesticide fraction is PCB only - use 4551 for spike

LABORATORY : Other:

___ Possible high / low concentration samples — report attached list for VOA

X Analyze/Report blank spike AS LCS — GC/MS put BUILDING 44 in Misc field

___ All notices require the following in header: ____ — see Bob Meierer for Wisconsin method

please report J values - do not report TICs

X Analyze/Report special analytes (see attached) — pesticide report PCBs only

___ Metals: Report/Run ONLY ____

REPORT PREPARATION : Other :

___ Must mail via ____ — use Chrysler Form 1 for GC/MS

X Special compound list required (see attached)

X Do NOT report TICs — report Level 1 : narrative
external COC
Form 1s

TECHNICAL REVIEW : Other :

___ Submit ALL Narratives and Notices to the Report Preparation Manager

___ All Notices require the following header : ____

ACCOUNTING : Other :

Invoice : ___ Weekly ___ Monthly — Chrysler invoicing

___ Other: ___ Duplicate required

VOC Compounds List

VOC	Enforcement Standard (ppb)	Preventative Action Limit (ppb)
benzene	5	.067
bromobenzene	-	-
bromodichloromethane	179	36
n-butylbenzene	-	-
sec-butylbenzene	-	-
tert-butylbenzene	-	-
carbon tetrachloride	5	.5
chlorobenzene	-	-
chlorodibromomethane	215	43
chloroethane	400	80
chloroform	6	.6
chloromethane	-	-
2-chlorotoluene	-	-
4-chlorotoluene	-	-
1,2-dibromo-3-chloropropane	.05	.005
1,2-dibromoethane (EDB)	.01	.001
1,2-dichlorobenzene	1250	125
1,3-dichlorobenzene	1250	125
1,4-dichlorobenzene	75	15
dichlorodifluoromethane	-	-
1,1-dichloroethane	850	85
1,2-dichloroethane	5	.05
1,1-dichloroethene	7	.024
cis-1,2-dichloroethene	100	10
trans-1,2-dichloroethene	100	20
1,2-dichloropropane	5	.5
1,3-dichloropropane	-	-
2,2-dichloropropane	-	-
di-isopropyl ether	-	-
ethylbenzene	1360	272
hexachlorobutadiene	-	-
isopropylbenzene	-	-
p-isopropyltoluene	-	-
methylene chloride	150	15
methyl-tert-butyl ether	60	12
naphthalene	40	8
n-propylbenzene	-	-
1,1,2,2-tetrachloroethane	-	-
tetrachloroethene	1	.1
toluene	343	68.6
1,2,3-trichlorobenzene	-	-
1,2,4-trichlorobenzene	-	-
1,1,1-trichloroethane	200	40
1,1,2-trichloroethane	.6	.06
trichloroethene	5	.18
trichlorofluoromethane	-	-
1,2,4-trimethylbenzene	-	-
1,3,5-trimethylbenzene	-	-
vinyl chloride	.2	.0015
o-xylene	620[1]	124[1]
m-xylene	620[1]	124[1]
p-xylene	620[1]	124[1]

1. Report isomer concentrations if analysis can distinguish them; otherwise report "total xylenes". PAL and ES are for total xylenes.

12 of 14

00007

COMPUCHEM ENVIRONMENTAL CORPORATION

CompuChem Environmental Corporation

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. This flag is used

1. When estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL but greater than zero. For example, if the sample quantitation limit is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC such as chlorinated hydrocarbon, the N flag is not used.

P : This flag is used for a pesticide/Aroclor target analyte, and other GC or HPLC analytes, when there is greater than 25% difference for detected concentrations between the two GC or HPLC columns. The lower of the two values is reported on Form I and flagged with a P.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X qualifier.)

cont. DATA REPORTING QUALIFIERS

B: This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E: This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D: If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract. NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL and the U flag. NOTE 2: Separate Form Is are used for reporting the orginal analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

X: Other specific flags may be required to properly define the results. If used, the flags will be fully described. An "X" qualifier is used first. If more than one flag is required, Y and Z are used as needed. If more than five qualifiers are required for a sample result, the X flag is used to represent a combination of several flags. For example, the X flag might combine the A, B and D flags for some samples. The laboratory-defined flags are limited to X, Y and Z.

VOLATILE ORGANICS ANALYSIS DATA SHEET

401A-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799184

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN099184A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 3 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	290	B
75-35-4	1,1-Dichloroethene	52		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	52		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	52		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	52		U
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	52		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	52		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	52		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

401A-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799184

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN099184A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 3 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100	120	B
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100	54	JB
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

402B-2-4

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799180

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CR099180B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 4 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	270	B
75-35-4	1,1-Dichloroethene	52		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	52		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	52		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	52		U
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	52		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	52		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	52		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

402B-2-4

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799180

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CR099180B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 4 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100		U
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100		U
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

402C-4-6

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799196

Sample wt/vol: 29.0 (g/mL) G Lab File ID: CN099196C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 37 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	160		U
75-01-4	Vinyl Chloride	160		U
75-00-3	Chloroethane	160		U
75-09-2	Methylene Chloride	160	410	B
75-35-4	1,1-Dichloroethene	79		U
75-34-3	1,1-Dichloroethane	160		U
67-66-3	Chloroform	79		U
107-06-2	1,2-Dichloroethane	160		U
71-55-6	1,1,1-Trichloroethane	160		U
56-23-5	Carbon Tetrachloride	79		U
75-27-4	Bromodichloromethane	160		U
10061-01-5	cis-1,3-Dichloropropene	160		U
79-01-6	Trichloroethene	79		U
124-48-1	Dibromochloromethane	160		U
79-00-5	1,1,2-Trichloroethane	160		U
71-43-2	Benzene	79		U
10061-02-6	trans-1,3-Dichloropropene	160		U
75-25-2	Bromoform	160		U
127-18-4	Tetrachloroethene	79		U
79-34-5	1,1,2,2-Tetrachloroethane	160		U
108-88-3	Toluene	160		U
108-90-7	Chlorobenzene	160		U
100-41-4	Ethylbenzene	160		U
100-42-5	Styrene	160		U
1330-20-7	Xylene (total)	160		U
108-38-3	m,p-Xylene	160		U
95-47-6	o-Xylene	160		U
156-59-2	cis-1,2-Dichloroethene	160		U
156-60-5	trans-1,2-Dichloroethene	160		U
74-95-3	Dibromomethane	160		U
106-93-4	1,2-Dibromoethane	79		U
630-20-6	1,1,1,2-Tetrachloroethane	160		U
96-18-4	1,2,3-Trichloropropane	160		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

402C-4-6

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799196

Sample wt/vol: 29.0 (g/mL) G Lab File ID: CN099196C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 37 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	160		U
75-69-4	Trichlorofluoromethane	160		U
594-20-7	2,2-Dichloropropane	160		U
563-58-6	1,1-dichloropropene	160		U
98-82-8	Isopropyl Benzene	160		U
108-86-1	Bromobenzene	160		U
95-49-8	2-Chlorotoluene	160		U
106-43-4	4-Chlorotoluene	160		U
108-67-8	1,3,5-Trimethyl Benzene	160		U
98-06-6	tert-Butyl Benzene	160		U
95-63-6	1,2,4-Trimethyl Benzene	160		U
135-98-8	sec-Butyl Benzene	160		U
541-73-1	1,3-Dichlorobenzene	160		U
74-97-5	Bromochloromethane	160		U
106-46-7	1,4-Dichlorobenzene	160		U
99-87-6	p-Isopropyl Toluene	160		U
95-50-1	1,2-Dichlorobenzene	160		U
104-51-8	n-Butyl Benzene	160		U
120-82-1	1,2,4-Trichlorobenzene	160		U
87-68-3	Hexachlorobutadiene	160		U
91-20-3	Naphthalene	160		U
78-87-5	1,2-Dichloropropane	160		U
142-28-9	1,3-Dichloropropane	160		U
103-65-1	n-Propyl Benzene	160		U
74-87-3	Chloromethane	160		U
87-61-6	1,2,3-Trichlorobenzene	160		U
75-71-8	Dichlorodifluoromethane	160		U
1634-04-4	Methyl-tert-butyl ether	160		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

403A-4-6

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799186

Sample wt/vol: 32.0 (g/mL) G Lab File ID: CN099186A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 15 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	120		U
75-01-4	Vinyl Chloride	120		U
75-00-3	Chloroethane	120		U
75-09-2	Methylene Chloride	120	320	B
75-35-4	1,1-Dichloroethene	59		U
75-34-3	1,1-Dichloroethane	120		U
67-66-3	Chloroform	59		U
107-06-2	1,2-Dichloroethane	120		U
71-55-6	1,1,1-Trichloroethane	120		U
56-23-5	Carbon Tetrachloride	59		U
75-27-4	Bromodichloromethane	120		U
10061-01-5	cis-1,3-Dichloropropene	120		U
79-01-6	Trichloroethene	59		U
124-48-1	Dibromochloromethane	120		U
79-00-5	1,1,2-Trichloroethane	120		U
71-43-2	Benzene	59		U
10061-02-6	trans-1,3-Dichloropropene	120		U
75-25-2	Bromoform	120		U
127-18-4	Tetrachloroethene	59		U
79-34-5	1,1,2,2-Tetrachloroethane	120		U
108-88-3	Toluene	120		U
108-90-7	Chlorobenzene	120		U
100-41-4	Ethylbenzene	120		U
100-42-5	Styrene	120		U
1330-20-7	Xylene (total)	120		U
108-38-3	m,p-Xylene	120		U
95-47-6	o-Xylene	120		U
156-59-2	cis-1,2-Dichloroethene	120		U
156-60-5	trans-1,2-Dichloroethene	120		U
74-95-3	Dibromomethane	120		U
106-93-4	1,2-Dibromoethane	59		U
630-20-6	1,1,1,2-Tetrachloroethane	120		U
96-18-4	1,2,3-Trichloropropane	120		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

403A-4-6

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799186

Sample wt/vol: 32.0 (g/mL) G Lab File ID: CN099186A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 15 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	120		U
75-69-4	Trichlorofluoromethane	120		U
594-20-7	2,2-Dichloropropane	120		U
563-58-6	1,1-dichloropropene	120		U
98-82-8	Isopropyl Benzene	120		U
108-86-1	Bromobenzene	120		U
95-49-8	2-Chlorotoluene	120		U
106-43-4	4-Chlorotoluene	120		U
108-67-8	1,3,5-Trimethyl Benzene	120		U
98-06-6	tert-Butyl Benzene	120		U
95-63-6	1,2,4-Trimethyl Benzene	120		U
135-98-8	sec-Butyl Benzene	120		U
541-73-1	1,3-Dichlorobenzene	120		U
74-97-5	Bromochloromethane	120		U
106-46-7	1,4-Dichlorobenzene	120		U
99-87-6	p-Isopropyl Toluene	120		U
95-50-1	1,2-Dichlorobenzene	120		U
104-51-8	n-Butyl Benzene	120		U
120-82-1	1,2,4-Trichlorobenzene	120		U
87-68-3	Hexachlorobutadiene	120		U
91-20-3	Naphthalene	120	100	JB
78-87-5	1,2-Dichloropropane	120		U
142-28-9	1,3-Dichloropropane	120		U
103-65-1	n-Propyl Benzene	120		U
74-87-3	Chloromethane	120		U
87-61-6	1,2,3-Trichlorobenzene	120		U
75-71-8	Dichlorodifluoromethane	120		U
1634-04-4	Methyl-tert-butyl ether	120		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

404B-2-4

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799188

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN099188B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 4 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	290	B
75-35-4	1,1-Dichloroethene	52		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	52		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	52		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	52		U
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	52		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	52		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	52		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

404B-2-4

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799188

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN099188B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 4 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100	99	JB
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100		U
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

404C-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799183

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN099183A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 2 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	310	B
75-35-4	1,1-Dichloroethene	51		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	51		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	51		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	51		U
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	51		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	51		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	51		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

404C-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799183

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN099183A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 2 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100	62	JB
87-68-3	Hexachlorobutadiene	100	84	J
91-20-3	Naphthalene	100	320	B
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100	190	B
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

406B-2-4

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799195

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN099195C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 7 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	280	B
75-35-4	1,1-Dichloroethene	54		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	54		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	54		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	54		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	54		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	54		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	54		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

406B-2-4

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799195

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN099195C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 7 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

407A-4-6

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799194

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN099194C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 13 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	330	B
75-35-4	1,1-Dichloroethene	57		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	57		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	57		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	57		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	57		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	57		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	57		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

407A-4-6

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799194

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN099194C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 13 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

406C-4-6

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799189

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN099189B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 34 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	150		U
75-01-4	Vinyl Chloride	150		U
75-00-3	Chloroethane	150		U
75-09-2	Methylene Chloride	150	410	B
75-35-4	1,1-Dichloroethene	76		U
75-34-3	1,1-Dichloroethane	150		U
67-66-3	Chloroform	76		U
107-06-2	1,2-Dichloroethane	150		U
71-55-6	1,1,1-Trichloroethane	150		U
56-23-5	Carbon Tetrachloride	76		U
75-27-4	Bromodichloromethane	150		U
10061-01-5	cis-1,3-Dichloropropene	150		U
79-01-6	Trichloroethene	76		U
124-48-1	Dibromochloromethane	150		U
79-00-5	1,1,2-Trichloroethane	150		U
71-43-2	Benzene	76		U
10061-02-6	trans-1,3-Dichloropropene	150		U
75-25-2	Bromoform	150		U
127-18-4	Tetrachloroethene	76		U
79-34-5	1,1,2,2-Tetrachloroethane	150		U
108-88-3	Toluene	150		U
108-90-7	Chlorobenzene	150		U
100-41-4	Ethylbenzene	150		U
100-42-5	Styrene	150		U
1330-20-7	Xylene (total)	150		U
108-38-3	m,p-Xylene	150		U
95-47-6	o-Xylene	150		U
156-59-2	cis-1,2-Dichloroethene	150		U
156-60-5	trans-1,2-Dichloroethene	150		U
74-95-3	Dibromomethane	150		U
106-93-4	1,2-Dibromoethane	76		U
630-20-6	1,1,1,2-Tetrachloroethane	150		U
96-18-4	1,2,3-Trichloropropane	150		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

406C-4-6

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799189

Sample wt/vol: 27.0 (g/mL) G Lab File ID: CN099189B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 34 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	150		U
75-69-4	Trichlorofluoromethane	150		U
594-20-7	2,2-Dichloropropane	150		U
563-58-6	1,1-dichloropropene	150		U
98-82-8	Isopropyl Benzene	150		U
108-86-1	Bromobenzene	150		U
95-49-8	2-Chlorotoluene	150		U
106-43-4	4-Chlorotoluene	150		U
108-67-8	1,3,5-Trimethyl Benzene	150		U
98-06-6	tert-Butyl Benzene	150		U
95-63-6	1,2,4-Trimethyl Benzene	150		U
135-98-8	sec-Butyl Benzene	150		U
541-73-1	1,3-Dichlorobenzene	150		U
74-97-5	Bromochloromethane	150		U
106-46-7	1,4-Dichlorobenzene	150		U
99-87-6	p-Isopropyl Toluene	150		U
95-50-1	1,2-Dichlorobenzene	150		U
104-51-8	n-Butyl Benzene	150		U
120-82-1	1,2,4-Trichlorobenzene	150		U
87-68-3	Hexachlorobutadiene	150		U
91-20-3	Naphthalene	150	100	JB
78-87-5	1,2-Dichloropropane	150		U
142-28-9	1,3-Dichloropropane	150		U
103-65-1	n-Propyl Benzene	150		U
74-87-3	Chloromethane	150		U
87-61-6	1,2,3-Trichlorobenzene	150		U
75-71-8	Dichlorodifluoromethane	150		U
1634-04-4	Methyl-tert-butyl ether	150		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

407B-4-6

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799191

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CR099191B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 8 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	300	B
75-35-4	1,1-Dichloroethene	54		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	54		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	54		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	54		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	54		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	54		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	54		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

FORM I VOA

00028

VOLATILE ORGANICS ANALYSIS DATA SHEET

407B-4-6

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799191

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CR099191B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 8 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

409A-2-4

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799192

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN099192C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 3 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	340	B
75-35-4	1,1-Dichloroethene	52		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	52		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	52		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	52	1300	
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	52		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	52		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	52		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

409A-2-4

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799192

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN099192C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 3 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100		U
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100		U
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100	410	
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100		U
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

406A-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799185

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN099185A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 8 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	300	B
75-35-4	1,1-Dichloroethene	54		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	54		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	54		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	54		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	54		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	54		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	54		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

406A-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799185

Sample wt/vol: 26.0 (g/mL) G Lab File ID: CN099185A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 8 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110		U
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

409C-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799190

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN099190B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 6 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	300	B
75-35-4	1,1-Dichloroethene	53		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	53		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	53		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	53		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	53		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	53		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	53		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

409C-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799190

Sample wt/vol: 25.0 (g/mL) G Lab File ID: CN099190B56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 6 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: UG/KG

CAS NO.	COMPOUND	DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110	80	JB
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	180	B
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110	56	J
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

407C-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799193

Sample wt/vol: 24.0 (g/mL) G Lab File ID: CN099193C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 5 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	330	B
75-35-4	1,1-Dichloroethene	53		U
75-34-3	1,1-Dichloroethane	110	74	J
67-66-3	Chloroform	53		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	53		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	53		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	53		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	53		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	53		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

407C-2-4

Project: BUILDING 44 Date Sampled: 04/25/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799193

Sample wt/vol: 24.0 (g/mL) G Lab File ID: CN099193C56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 5 Date Analyzed: 05/07/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	91	J
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

409B-4-6

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799187

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CN099187A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 10 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	110		U
75-01-4	Vinyl Chloride	110		U
75-00-3	Chloroethane	110		U
75-09-2	Methylene Chloride	110	300	B
75-35-4	1,1-Dichloroethene	56		U
75-34-3	1,1-Dichloroethane	110		U
67-66-3	Chloroform	56		U
107-06-2	1,2-Dichloroethane	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-5	Carbon Tetrachloride	56		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
79-01-6	Trichloroethene	56		U
124-48-1	Dibromochloromethane	110		U
79-00-5	1,1,2-Trichloroethane	110		U
71-43-2	Benzene	56		U
10061-02-6	trans-1,3-Dichloropropene	110		U
75-25-2	Bromoform	110		U
127-18-4	Tetrachloroethene	56		U
79-34-5	1,1,2,2-Tetrachloroethane	110		U
108-88-3	Toluene	110		U
108-90-7	Chlorobenzene	110		U
100-41-4	Ethylbenzene	110		U
100-42-5	Styrene	110		U
1330-20-7	Xylene (total)	110		U
108-38-3	m,p-Xylene	110		U
95-47-6	o-Xylene	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
156-60-5	trans-1,2-Dichloroethene	110		U
74-95-3	Dibromomethane	110		U
106-93-4	1,2-Dibromoethane	56		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

409B-4-6

Project: BUILDING 44 Date Sampled: 04/26/96

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799187

Sample wt/vol: 28.0 (g/mL) G Lab File ID: CN099187A56.D

Level: (low/med) MED Date Received: 04/27/96

% Moisture: not dec. 10 Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	110		U
75-69-4	Trichlorofluoromethane	110		U
594-20-7	2,2-Dichloropropane	110		U
563-58-6	1,1-dichloropropene	110		U
98-82-8	Isopropyl Benzene	110		U
108-86-1	Bromobenzene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethyl Benzene	110		U
98-06-6	tert-Butyl Benzene	110		U
95-63-6	1,2,4-Trimethyl Benzene	110		U
135-98-8	sec-Butyl Benzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
74-97-5	Bromochloromethane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
99-87-6	p-Isopropyl Toluene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butyl Benzene	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	130	B
78-87-5	1,2-Dichloropropane	110		U
142-28-9	1,3-Dichloropropane	110		U
103-65-1	n-Propyl Benzene	110		U
74-87-3	Chloromethane	110		U
87-61-6	1,2,3-Trichlorobenzene	110		U
75-71-8	Dichlorodifluoromethane	110		U
1634-04-4	Methyl-tert-butyl ether	110		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

MEOHBLANK

Project: BUILDING 44 Date Sampled: _____

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799197

Sample wt/vol: 16.0 (g/mL) G Lab File ID: CR099197A56.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/06/96

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

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
74-83-9	Bromomethane	100		U
75-01-4	Vinyl Chloride	100		U
75-00-3	Chloroethane	100		U
75-09-2	Methylene Chloride	100	390	
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	100		U
67-66-3	Chloroform	50		U
107-06-2	1,2-Dichloroethane	100		U
71-55-6	1,1,1-Trichloroethane	100		U
56-23-5	Carbon Tetrachloride	50		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	100		U
79-00-5	1,1,2-Trichloroethane	100		U
71-43-2	Benzene	50		U
10061-02-6	trans-1,3-Dichloropropene	100		U
75-25-2	Bromoform	100		U
127-18-4	Tetrachloroethene	50		U
79-34-5	1,1,2,2-Tetrachloroethane	100		U
108-88-3	Toluene	100		U
108-90-7	Chlorobenzene	100		U
100-41-4	Ethylbenzene	100		U
100-42-5	Styrene	100		U
1330-20-7	Xylene (total)	100	100	
108-38-3	m,p-Xylene	100	110	
95-47-6	o-Xylene	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
156-60-5	trans-1,2-Dichloroethene	100		U
74-95-3	Dibromomethane	100		U
106-93-4	1,2-Dibromoethane	50		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

MEOHBLANK

Project: BUILDING 44 Date Sampled: _____

Lab Code: COMPU Case No.: 32224 SAS No.: SDG No.: 00001

Matrix: (soil/water) SOIL Lab Sample ID: 799197

Sample wt/vol: 16.0 (g/mL) G Lab File ID: CR099197A56.D

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/06/96

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

Soil Extract Volume: 0(uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG DL	CONC	Q
96-12-8	1,2-Dibromo-3-Chloropropane	100		U
75-69-4	Trichlorofluoromethane	100		U
594-20-7	2,2-Dichloropropane	100		U
563-58-6	1,1-dichloropropene	100		U
98-82-8	Isopropyl Benzene	100		U
108-86-1	Bromobenzene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethyl Benzene	100	66	J
98-06-6	tert-Butyl Benzene	100		U
95-63-6	1,2,4-Trimethyl Benzene	100	72	J
135-98-8	sec-Butyl Benzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
74-97-5	Bromochloromethane	100		U
106-46-7	1,4-Dichlorobenzene	100		U
99-87-6	p-Isopropyl Toluene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butyl Benzene	100		U
120-82-1	1,2,4-Trichlorobenzene	100	72	J
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100	170	
78-87-5	1,2-Dichloropropane	100		U
142-28-9	1,3-Dichloropropane	100		U
103-65-1	n-Propyl Benzene	100		U
74-87-3	Chloromethane	100		U
87-61-6	1,2,3-Trichlorobenzene	100	96	J
75-71-8	Dichlorodifluoromethane	100		U
1634-04-4	Methyl-tert-butyl ether	100		U

returned 9 Encore

CHRYSLER CORPORATION — Chain of Custody

№ 0589 A

Chrysler - Kenosha Engine Plant

CompuChem Environmental Corporation EN-CHEM Inc.	Project Name: Build 44 - Prelim Soil & G.W Charac.	Consultant PM: Triad / Ross M. Creighton
3306 Chapel Hill/Nelson Highway 1241 Bellevue St. Suite 9 Green Bay WI. 54302	Site Code:	Address 325 E Chicago Street
P.O.Box 14998	Release Number:	Milwaukee WI. 53201
Research Triangle Park, NC 27709-4998	Chrysler PM: Curtis Chapman	Phone: 414-291-8840 Fax: 414-291-8841
Phone Number: 1-800-833-5097		
Fax Number: (919) 406-1686		

Turnaround Time Request: Standard - 10day

Sampler(s): Ross M. Creighton, Kurt R. Waldhenter

Compound List-Parameter/Method/Bottle Type/Preservative

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

Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	GRO/WDNR-modified/2oz widemouth/MeOH, 4°C	DRO/WDNR-modified/2oz widemouth/4°C +5mls. wint	Dry weight/ 5oz plastic/4°C	cond 6000	containers	Encore #					Lab Use Only: Volatiles pH <2	Metals pH <2	Cyanide pH >12	Other	Remarks
GP44-401A/2-4'	4/25/96	8:51	G	S	3	1	1	1	2	1-502 1-252 1-encore	2762		178	908						DRO-24.9g
GP44-403A/4-6'	4/25/96	9:34	G	S	3	1	1	1			1425		178	909						DRO-25.4g
GP44-406A/2-4'	4/25/96	10:26	G	S	3	1	1	1			483		178	910						DRO-25.6g
GP44-MeOH Blank	4/25/96	12:00	G	O	1	1				1-20ml	✓		178	911						
GP44-407A/4-6'	4/25/96	12:21	G	S	3	1	1	1		1-502 1-252 1-encore	2731		178	912						DRO-25.8g. ~~GRO-26.8g-20ml MeOH~~ RMC
GP44-406C/4-6'	4/25/96	13:32	G	S	3	1	1	1			1452		178	913						DRO-25.6g
GP44-404C/2-4'	4/25/96	14:57	G	S	3	1	1	1			9137		178	914						DRO-26.6g
GP44-402C/4-6'	4/25/96	16:02	G	S	3	1	1	1			2825		178	915						DRO-25.0g
GP44-407C/2-4'	4/25/96	16:59	G	S	3	1	1	1			474		178	916						DRO-25.2g
GP44-409C/2-4'	4/25/96	18:27	G	S	3	1	1	1			1339		178	917						DRO-25.1g

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

Bottles Relinquished under Airbill No.

Relinquished by:	Date:	Time:
Ross M Creighton	4/26/96	11:35
W Robert Burke		
Bernice Kempen	4/26/96	2:45 pm

Samples Relinquished under Airbill No.

Received by:	Date:	Time:
Robert Burke	4/26/96	1:00
Bernie Kempen	4/26/96	1:40 pm
[illegible]	4/26/96	15:45

Temperature (corrected) [illegible] C

Custody Seal Intact? Yes No

Custody Seal Intact? Yes No

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

Comments: If you need shorter ID#, disregard GP44 designation, use 401A/2-4', 403A/4-6', MeOHBlk. ect.

Revision No. 0
Created: July 17, 1995

Page 1 of _____

91.nuss1

EN CHEM INC.

. . .chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
En Chem Proj# : 9604551
Date Reported : 05/02/1996

Report to: TRIAD

Thank you for using En Chem! Samples were analyzed according to strict EPA or Wisconsin DNR methodology. Any comments or problems associated with the receipt of or analysis are reported below:

Sample no. 178908: Chromatogram has a typical gasoline pattern. Some peaks were outside of GRO window. Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 178910: Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 178912: Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 178916: Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 178917: Front peaks outside of DRO window, indicating lighter fuels are present. Fuel hump late in and beyond DRO window, with some baseline rise. Mainly diesel range peaks present. Chromatogram has a typical low level gasoline pattern. Some peaks were outside of GRO window. GRO chromatogram had low level late eluting peaks outside of GRO window.

EN CHEM INC.

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-401A/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178908 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	97	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	5.0	mg/kg	2.6		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	12	mg/kg	4.1		04/27/1996	WDNR MOD DRO	05/01/1996	PHS
	Soil spike	96	% RECOV	50					
	Soil spike duplicate	98	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

EN CHEM INC.

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-403A/4-6'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178909 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	85	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.9		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	ND	mg/kg	4.6		04/27/1996	WDNR MOD DRO	05/01/1996	PHS
	Soil spike	96	% RECOV	50					
	Soil spike duplicate	98	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

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Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-406A/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178910 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	92	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.7		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	38	mg/kg	4.2		04/27/1996	WDNR MOD DRO	05/01/1996	PHS
	Soil spike	96	% RECOV	50					
	Soil spike duplicate	98	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

EN CHEM INC.

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Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-MEOH BLANK
Sample Desc. :
Sample Matrix : METHANOL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178911 Date Reported : 05/03/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO	Gasoline Range Organics(GRO)-Water	ND	ug/l	2500		04/30/1996	WDNR MOD GRO	05/02/1996	EGS
	Blank spike	99	% RECOV	50					
	Blank spike duplicate	101	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-407A/4-6'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178912 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	86	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.9		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	5.9	mg/kg	4.5		04/27/1996	WDNR MOD DRO	04/30/1996	PHS
	Soil spike	102	% RECOV	50					
	Soil spike duplicate	100	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Suha

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-406C/4-6'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178913 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	85	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.9		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	ND	mg/kg	4.6		04/27/1996	WDNR MOD DRO	04/30/1996	PHS
	Soil spike	102	% RECOV	50					
	Soil spike duplicate	100	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Suha

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-404C/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178914 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	97	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.6		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	ND	mg/kg	3.8		04/27/1996	WDNR MOD DRO	04/30/1996	PHS
	Soil spike	102	% RECOV	50					
	Soil spike duplicate	100	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-402C/4-6'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178915 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	74	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	3.4		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	ND	mg/kg	5.3		04/27/1996	WDNR MOD DRO	04/30/1996	PHS
	Soil spike	102	% RECOV	50					
	Soil spike duplicate	100	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-407C/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178916 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	96	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.6		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	24	mg/kg	4.0		04/27/1996	WDNR MOD DRO	04/30/1996	PHS
	Soil spike	102	% RECOV	50					
	Soil spike duplicate	100	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : KENOSHA ENGINE PLANT BLD #44
Your Sample ID: GP44-409C/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/25/1996
En Chem Proj# : 9604551 Date Received : 04/26/1996
En Chem Lab # : 178917 Date Reported : 05/02/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: CHRYSLER

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	93	percent				SM2540G	04/29/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.7		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	210	mg/kg	8.4		04/27/1996	WDNR MOD DRO	05/02/1996	PHS
	Soil spike	102	% RECOV	50					
	Soil spike duplicate	100	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulka

CHRYSLER CORPORATION — Chain of Custody

No. 1047 A

CHRYSLER-KENOSHA ENGINE PLANT

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

EN-CHEM INC
1241 BELLEVUE ST.
SUITE 9
GREEN BAY, WI 54302

Project Name: BUILD. 44 - PRELIM SOIL & GW CHARAC
Site Code: SC024
Release Number: 9600138
Chrysler PM: CURTIS CHAPMAN

Consultant PM: TRIAD/ROSS M. CREIGHTON
Address: 325 E. CHICAGO STREET
MILWAUKEE, WI 53201
Phone: 414-291-8840 Fax: 414-291-8841

Turnaround Time Request: STANDARD 10-DAY
KURT R. WALDHUETTER

Sampler(s): ROSS M. CREIGHTON

Compound List-Parameter/Method/Bottle Type/Preservative

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

Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	GRO/WDNR-MODIFIED +5	DRO-WDNR-MODIFIED/2 oz WIDEMOUTH, 4°C	DRY WEIGHT/ 5 oz. PLASTIC/4°C	TPH	GRO - WDNR Mod [illegible] 60ml Vials / HCl<2 4°C	DRO - WDNR Mod/FIL Ambers / HCL<2 4°C	Flash pt. @ 40ml 1 vial no preservative			Lab Use Only: Volatiles pH<2	Metals pH<2	Cyanide pH>12	Other	Remarks	
GP44-409A/2-4'	4/26/96	7:27	G	S	3	1	1	1					1-ENCORE 1-209367-G 1-5oz					DRO-27.3g	179050
GP44-406B/2-4'	4/26/96	8:13	G	S	3	1	1	1						0922-G				DRO 26.0g	179051
GP44-409B/4-6'	4/26/96	9:12	G	S	3	1	1	1						1834-G				DRO 26.9g	179052
GP44-404B/2-4'	4/26/96	11:06	G	S	3	1	1	1						9798G				DRO 26.9g	179053
GP44-402B/2-4'	4/26/96	12:06	G	S	3	1	1	1						9521-G				DRO 26.8g	179054
MeOH Blank	4/26/96	12:06	G	O	1	1							MeOH	1-2oz					179055
GP44-407B/4-6'	4/26/96	9:58	G	S	3	1	1	1				1-5oz	1-ENCORE 1-200	2926-G					179056
																			179057
																			179058

Data Package Deliverables: (circle)	Bottles Relinquished under Airbill No.	Date:	Time:	Samples Relinquished under Airbill No.	Date:	Time:	Temperature (corrected) ___ C
Chrysler Level 1	Relinquished by: [signature]	4/26/96	16:30	Received by:			Custody Seal Intact? Yes No
Chrysler Level 2	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Chrysler Level 3							
CLP Deliverables	Relinquished by:	Date:	Time:	Received for Laboratory by: [signature]	Date: 4/27/96	Time: 1200	Custody Seal Intact? Yes ✓ No
Other (specify):							

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

Proj 9604576

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

COMMENTS: IF YOU NEED SHORTER ID#, DISREGARD GP44 DESIGNATION, USE 409A/2-4', 406B/2-4', MeOHBLK, ETC.
Please do DRO+5 - 5 minute extended retention time window

Revision No: 0
Created: July 17, 1995

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : BUILD.44-PRELIM #5C024
En Chem Proj# : 9604576
Date Reported : 05/03/1996

Report to: TRIAD

Thank you for using En Chem! Samples were analyzed according to strict EPA or Wisconsin DNR methodology. Any comments or problems associated with the receipt of or analysis are reported below:

Sample no. 179050: GRO has low level peaks.
Fuel hump late in and beyond DRO window, with some baseline rise.

Sample no. 179051: Chromatogram has a low level typical gasoline pattern. Some peaks were outside of GRO window.
Fuel hump late in and beyond DRO window, with some baseline rise. Diesel range peaks present.

Sample nos. 179052 and 179054: GRO chromatogram had late eluting peaks outside of GRO window. This is indicative of DRO or heavier fuels or extremely weathered gas.
Front peaks outside of DRO window, indicating lighter fuels are present. Fuel hump late in and beyond DRO window, with some baseline rise. Diesel range peaks present.

Sample no. 179053: Slight fuel hump late in and beyond DRO window, with some baseline rise. Diesel range peaks present.

Sample no. 179056: Front peaks outside of DRO window, indicating lighter fuels are present. Fuel hump late in and beyond DRO window, with some baseline rise. Diesel range peaks present.

Sample no. 179057: Fuel hump late in and beyond DRO window, with some baseline rise. Mainly diesel range peaks present. Large peak present early in the DRO analysis.

Sample no. 179058: Fuel hump late in and beyond DRO window, with some baseline rise. Large peak present early in the DRO analysis.

EN CHEM INC.

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : BUILD.44-PRELIM #5C024
Your Sample ID: GP44-409A/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/26/1996
En Chem Proj# : 9604576 Date Received : 04/27/1996
En Chem Lab # : 179050 Date Reported : 05/06/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	97	percent				SM2540G	04/30/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.6		04/30/1996	WDNR MOD GRO	05/02/1996	EGS
	Soil spike	108	% RECOV	50					
	Soil spike duplicate	101	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	120	mg/kg	3.8		04/27/1996	WDNR MOD DRO	05/04/1996	PHS
	Soil spike	104	% RECOV	50					
	Soil spike duplicate	92	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sellen

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : BUILD.44-PRELIM #5C024
Your Sample ID: GP44-406B/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/26/1996
En Chem Proj# : 9604576 Date Received : 04/27/1996
En Chem Lab # : 179051 Date Reported : 05/06/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	94	percent				SM2540G	04/30/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.7		04/29/1996	WDNR MOD GRO	05/01/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	105	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	100	mg/kg	4.1		04/27/1996	WDNR MOD DRO	05/04/1996	PHS
	Soil spike	104	% RECOV	50					
	Soil spike duplicate	92	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Silber

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : BUILD.44-PRELIM #5C024
Your Sample ID: GP44-409B/4-6'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/26/1996
En Chem Proj# : 9604576 Date Received : 04/27/1996
En Chem Lab # : 179052 Date Reported : 05/06/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzec By
TOTSOLID	Total Solids	89	percent				SM2540G	04/30/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.8		04/29/1996	WDNR MOD GRO	04/30/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	110	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	180	mg/kg	4.2		04/27/1996	WDNR MOD DRO	05/04/1996	PHS
	Soil spike	104	% RECOV	50					
	Soil spike duplicate	92	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sullivan

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : BUILD.44-PRELIM #5C024
Your Sample ID: GP44-404B/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/26/1996
En Chem Proj# : 9604576 Date Received : 04/27/1996
En Chem Lab # : 179053 Date Reported : 05/03/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	98	percent				SM2540G	04/30/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.5		04/29/1996	WDNR MOD GRO	04/30/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	110	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	8.0	mg/kg	3.7		04/27/1996	WDNR MOD DRO	05/02/1996	PHS
	Soil spike	104	% RECOV	50					
	Soil spike duplicate	92	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulva

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : BUILD.44-PRELIM #5C024
Your Sample ID: GP44-402B/2-4'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/26/1996
En Chem Proj# : 9604576 Date Received : 04/27/1996
En Chem Lab # : 179054 Date Reported : 05/03/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID	Total Solids	97	percent				SM2540G	04/30/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	3.9	mg/kg	2.6		04/29/1996	WDNR MOD GRO	04/30/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	110	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	22	mg/kg	3.8		04/27/1996	WDNR MOD DRO	05/02/1996	PHS
	Soil spike	104	% RECOV	50					
	Soil spike duplicate	92	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulva

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : BUILD.44-PRELIM #5C204
Your Sample ID: MEOH BLANK
Sample Desc. :
Sample Matrix : METHANOL Date Collected: 04/26/1996
En Chem Proj# : 9604576 Date Received : 04/27/1996
En Chem Lab # : 179055 Date Reported : 05/03/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO	Gasoline Range Organics(GRO)-Water	ND	ug/l	2500		04/30/1996	WDNR MOD GRO	05/02/1996	EGS
	Blank spike	108	% RECOV	50					
	Blank spike duplicate	101	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulke

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : BUILD.44-PRELIM #5C024
Your Sample ID: GP44-407B/4-6'
Sample Desc. :
Sample Matrix : SOIL Date Collected: 04/26/1996
En Chem Proj# : 9604576 Date Received : 04/27/1996
En Chem Lab # : 179056 Date Reported : 05/06/1996

Report to: TRIAD
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Bill to: TRIAD

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyze By
TOTSOLID	Total Solids	85	percent				SM2540G	04/30/1996	PHS
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.9		04/29/1996	WDNR MOD GRO	04/30/1996	BSJ
	Soil spike	117	% RECOV	50					
	Soil spike duplicate	110	% RECOV	50					
DRO-S	Diesel Range Organics(DRO)-Soil	100	mg/kg	4.1		04/27/1996	WDNR MOD DRO	05/04/1996	PHS
	Soil spike	104	% RECOV	50					
	Soil spike duplicate	92	% RECOV	50					

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

M. Sulva

MIDWEST ANALYTICAL SERVICES, INC.
METROPOLITAN CENTER FOR HIGH TECHNOLOGY
2727 SECOND AVENUE DETROIT, MI 48201

CHAIN OF CUSTODY RECORD & SAMPLE ANALYSIS REQUEST

PHONE #: 801-4MAS (313) 964-3680
FAX #: (313) 964-2339

CLIENT: Chrysler/Triad
SAMPLE COLLECTOR: Kurt R. Waldheuter, Ross M. Creighton
P.O.#: W963873-EP3
RELEASE OR REFERENCE
JOB #: Same
F/N
TEL #: 414-291-8840
PROJECT: Chrysler - Building 44 B&C Preliminary Soil Characterization
RESULTS TO THE ATTENTION OF:
NEED FAXED: YES ☐ NO ☐

DETECTION LIMITS (DL)

PAGE 1 OF 1
NORMAL X
RUSH
G-GLASS P-PLASTIC
BROWN (Soil)

ITEM #	SAMPLE IDENTIFICATION	LOCATION	DATE/TIME SAMPLED	SAMPLE *ORIGIN	SAMPLE MATRIX	ANALYSIS METHOD: Protocol B - Waste Mgt. WI. VOCs	ANALYSIS METHOD: Protocol (B - Waste Mgt. WI. PCB, Metals)	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	#	CONTAINERS SIZE	CONTAINERS TYPE	PRESERVATIVE	LAB USE ONLY MAS # & PHYS. DESC.
1	GP44-406C/2-4'	BUILD. 44	4/25/96, 13:20	7/11	Soil	1					1	20z	glass W.M.	4°C	60430024
1	GP44-406C/2-6'	BUILD. 44	4/25/96, 13:20	7/11	Soil		3				3	80z	glass W.M.	4°C	↓
2	GP44-404B/4-6'	BUILD. 44	4/26/96 1120	7/11	soil	1					1	20z.	glass W.M.	4°C	60430025
2	GP44-404B/2-6'	BUILD. 44	4/26/96 1120/1127	7/11	Soil		3				3	80z.	glass W.M.	4°C	↓

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME
Ross M. Creighton	4/26 16:30	CCR Comswindle	4-29-96 11:10
CCR Comswindle	4/29/96 4:00		
		RECEIVED FOR LAB BY:	4/30/96 12:00 PM

* SAMPLE ORIGIN
1. DRINKING WATER
2. N.P.D.E.S.
3. WASTE WATER - CITY:
4. STORM WATER
5. TCLP WASTE
6. MDNR
7. WDNR
8. INTERNAL USE
9. RESEARCH
10. AIR
11. OTHER: WMI Protocol B

LAB USE ONLY:
STATUS OF THE SAMPLE RECEIVED:
TRANSPORT TEMPERATURE 0°C ON ICE
SEALED ☑ NOT SEALED ☐
RECEIVED BY:
MAIL ☑ DROP OFF ☐

FIELD CHARGES:
FIELD HOURS
SET UP
ISCO CHARGE
PICK UP: ___ OF ___
C ☐ NC ☐

COMMENTS: Samples are the same sample even though they have different sample ID's. Analyze as for protocol B per WMI's.

WHITE - MIDWEST COPY YELLOW - DUPLICATE COPY PINK - CLIENT COPY

4/26/96

MIDWEST ANALYTICAL SERVICES
P.O. BOX 11265
Detroit, MI 48211
Telephone 313/964-3680

INVOICE 195023

Customer No.

TREN1036

Bill To:
TRIAD ENGINEERING, INC.
ROSS CREIGHTON
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Ship To:
TRIAD ENGINEERING, INC.
ROSS CREIGHTON
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

Order Date	Invoice Date	P.O. Number	Release
04/30/96	05/22/96	W963873-EP3	

Job #	Project
W963873-EP3	CHRYSLER- BUILDING 44B&C PRELIMINARY SOIL CHARACTERIZATION

MAS Number
60430024-026

Customer Identification
GP44-406C BUILD. 44 04/25/96,GP44-404B BUILD. 44 04/26/96,-MB- 04/25/96

COUNT	Test Codes	Test Description	Disc-count	Unit Price	Amount
2	PROTOCOL B 1	PROTOCOL B		803.20	1606.40

ALL PAST DUE BALANCES WILL BE SUBJECT TO A SERVICE CHARGE OF 1.5% PER MONTH

Total: $ 1606.40

THANK YOU FOR YOUR BUSINESS! TERMS: NET 30
Customer copy

RDL

Midwest Analytical Services, Inc.

"Where industry comes for answers"

Metropolitan Center for High Technology
2727 Second Avenue
Detroit, Michigan 48201

A2LA Accredited Certification # 0381-01
State of Wisconsin Certification #999941580
State of New Jersey Certification #62733
State of North Dakota Certification #R-085

P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

Date : 22-May-96

Client : ROSS CREIGHTON
TRIAD ENGINEERING, INC.

Mas# : 60430024-025

PROJECT: : CHRYSLER- BUILDING 44B&C PRELIMINARY SOIL CHARACTERIZATION

Sample I.D. : GP44-406C, GP44-404B

The above mentioned project has been completed in accordance with the quality control and quality assurance criteria specified by the American Association of Laboratory Accreditation/SW 846/MDNR/WDNR and EPA references from 40 CFR part 136 guidelines.

For your convenience the following legend applies to all the following data sheets:
1. Reports shall not be reproduced, except in full, without written approval of Midwest Analytical Services, Inc.
2. N/D=Not detected above Estimated Quantitation Limit, N/A=Not applicable
3. Results relate only to the items tested.
4. mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)
µg/l, µg/kg, µg/kg(dry weight) equal ppb(parts per billion)

If you have any questions regarding this project please feel free to contact me at 1-800-801-4MAS or 1-313-964-3680.

Thanking You,

Sincerely,

Krystyna Czyzo

Krystyna Czyzo
Lab. Quality Manager

Midwest Analytical Services, Inc.

"Where industry comes for answers"

Metropolitan Center for High Technology
2727 Second Avenue
Detroit, Michigan 48201

A2LA Accredited Certification # 0381-01
State of Wisconsin Certification #999941580
State of New Jersey Certification #62733
State of North Dakota Certification #R-085

P:1-800-801-4MAS (MI,OH,WI,IN,IL)
: (313) 964-3680
F: (313) 964-2339

IN: SMR

TEST REPORT

MAS #:60430024

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 22-May-96
P.O. #: W963873-EP3
JOB #: W963873-EP3

PROJECT: CHRYSLER- BUILDING 44B&C PRELIMINARY SOIL CHARACTERIZATION
SAMPLE IDENTIFICATION: GP44-406C 04/25/96 1320
PHYSICAL DESCRIPTION: SOLID

FILE: WDMR\PROTB

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 9045C	* pH/CORROSIVITY	8.40	UNITS	----	2.0 ≤pH≤ 12.5	BW	05/01/96	
ASTM D5057	APPARENT SPECIFIC GRAVITY	2.1	---	----	----	BW	05/06/96	
EPA 160.3	TOTAL SOLIDS	92	%	1.0	----	BW	05/01/96	
SW-846 9095	PAINT FILTER TEST	0% FREE LIQUIDS		----	0%	DJF	05/01/96	
SW-846 1010	IGNITIBILITY	> 200	F	----	> 140	CH	05/02/96	
ASTM D240	CHLORINE	N/D	%	1.0	< 1.0	BB	05/21/96	
SW-846 7.3.4.2	REACTIVE SULFIDE	N/D	mg/kg	10	< 50	BB	05/02/96	
SM 4500CN-IM	CYANIDE (AS FREE CN)	N/D	mg/kg	1.0	< 50	CH	05/02/96	
EPA 420.1	TCLP PHENOL (1311)	N/D	mg/l	0.1	< 2000	BW	04/30/96	
SW-846 8080A	PCB:		mg/kg		< 50	DGB	05/06/96	
	AROCLOR 1016	N/D		1.0				
	AROCLOR 1221	N/D		1.0				
	AROCLOR 1232	N/D		1.0				
	AROCLOR 1242	N/D		1.0				
	AROCLOR 1248	N/D		1.0				
	AROCLOR 1254	N/D		1.0				
	AROCLOR 1260	N/D		1.0				

* SAMPLE pH MEASURED IN WATER AT 21.8°C.

Krystyna Czyzo
Lab. Quality Manager

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TEST REPORT

MAS #:6 0 4 3 0 0 2 4

continued

PROJECT: CHRYSLER- BUILDING 44B&C PRELIMINARY SOIL CHARACTERIZATION
SAMPLE IDENTIFICATION: GP44-406C 04/25/96 1320
PHYSICAL DESCRIPTION: SOLID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846	**TCLP METALS :**		mg/l					
6010A	ARSENIC	N/D		1.0	< 5.0	KRW	05/03/96	
6010A	BARIUM	N/D		10.0	< 100.0	KRW	05/03/96	
6010A	CADMIUM	N/D		0.5	< 1.0	KRW	05/03/96	
6010A	CHROMIUM	N/D		1.0	< 5.0	KRW	05/03/96	
6010A	COPPER	N/D		1.0	< 100.0	KRW	05/03/96	
6010A	LEAD	N/D		1.0	< 5.0	KRW	05/03/96	
7470A	MERCURY	N/D		0.10	< 0.2	DJF	05/06/96	
6010A	NICKEL	N/D		1.0	< 35.0	KRW	05/03/96	
6010A	SELENIUM	N/D		0.50	< 1.0	KRW	05/03/96	
6010A	SILVER	N/D		1.0	< 5.0	KRW	05/03/96	
6010A	ZINC	N/D		5.0	< 200.0	KRW	05/03/96	
						KRW	05/03/96	
SW-846 8260A	**TCLP VOLATILES**		mg/l					
	BENZENE	N/D		0.15	< 0.5	EH	05/06/96	
	CARBON TETRACHLORIDE	N/D		0.15	< 0.5			
	CHLOROBENZENE	N/D		0.30	< 100			
	CHLOROFORM	N/D		0.15	< 6.0			
	1,2-DICHLOROETHANE	N/D		0.15	< 0.5			
	1,1-DICHLOROETHYLENE	N/D		0.15	< 0.7			
	METHYL ETHYL KETONE	N/D		10	< 200			
	TETRACHLOROETHYLENE	N/D		0.15	< 0.7			
	TRICHLOROETHYLENE	N/D		0.50	< 0.5			
	VINYL CHLORIDE	N/D		0.15	< 0.2			
SW-846	**TCLP SEMI-VOLATILES:**		mg/l			AAT	05/03/96	
8270B	1,4-DICHLOROBENZENE	N/D		2.0	< 7.5			
	2,4-DINITROTOLUENE	N/D		0.13	< 0.13			
	HEXACHLOROBENZENE	N/D		0.13	< 0.13			
	HEXACHLOROBUTADIENE	N/D		0.13	< 0.5			
	HEXACHLOROETHANE	N/D		2.0	< 3.0			
	NITROBENZENE	N/D		2.0	< 2.0			
	PYRIDINE	N/D		2.0	< 5.0			
	TOTAL CRESOL	N/D		10	< 200.0			
	PENTACHLOROPHENOL	N/D		3.0	< 100.0			
	2,4,5-TRICHLOROPHENOL	N/D		2.0	< 400.0			
	2,4,6-TRICHLOROPHENOL	N/D		2.0	< 2.0			

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PAGE 1 OF 2

TEST REPORT

MAS #:6 0 4 3 0 0 2 5

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 22-May-96
P.O. #: W963873-EP3
JOB #: W963873-EP3

PROJECT: CHRYSLER- BUILDING 44B&C PRELIMINARY SOIL CHARACTERIZATION
SAMPLE IDENTIFICATION: GP44-404B 04/26/96 1120
PHYSICAL DESCRIPTION: SOLID

FILE: WDMR\PROTB

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 9045C	* pH/CORROSIVITY	8.75	UNITS	----	2.0 ≤pH≤ 12.5	BW	05/01/96	
ASTM D5057	APPARENT SPECIFIC GRAVITY	1.8	---	----	----	BW	05/06/96	
EPA 160.3	TOTAL SOLIDS	86	1.0	----	----	BW	05/01/96	
SW-846 9095	PAINT FILTER TEST	0% FREE LIQUIDS		----	0%	DJF	05/01/96	
SW-846 1010	IGNITIBILITY	> 200	F	----	> 140	CH	05/02/96	
ASTM D240	CHLORINE	N/D	%	1.0	< 1.0	BB	05/21/96	
SW-846 7.3.4.2	REACTIVE SULFIDE	N/D	mg/kg	10	< 50	BB	05/02/96	
SM 4500CN-IM	CYANIDE (AS FREE CN)	N/D	mg/kg	1.0	< 50	CH	05/02/96	
EPA 420.1	TCLP PHENOL (1311)	N/D	mg/l	0.1	< 2000	BB	04/30/96	
SW-846 8080A	PCB:		mg/kg		< 50	DGB	05/06/96	
	AROCLOR 1016	N/D		1.0				
	AROCLOR 1221	N/D		1.0				
	AROCLOR 1232	N/D		1.0				
	AROCLOR 1242	N/D		1.0				
	AROCLOR 1248	N/D		1.0				
	AROCLOR 1254	N/D		1.0				
	AROCLOR 1260	N/D		1.0				

* SAMPLE pH MEASURED IN WATER AT 22.0°C.

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TEST REPORT

MAS #:6 0 4 3 0 0 2 5

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PROJECT: CHRYSLER- BUILDING 44B&C PRELIMINARY SOIL CHARACTERIZATION
SAMPLE IDENTIFICATION: GP44-404B 04/26/96 1120
PHYSICAL DESCRIPTION: SOLID

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846	**TCLP METALS :**		mg/l					
6010A	ARSENIC	N/D		1.0	< 5.0	KRW	05/06/96	
6010A	BARIUM	N/D		10.0	< 100.0	KRW	05/06/96	
6010A	CADMIUM	N/D		0.5	< 1.0	KRW	05/06/96	
6010A	CHROMIUM	N/D		1.0	< 5.0	KRW	05/06/96	
6010A	COPPER	N/D		1.0	< 100.0	KRW	05/06/96	
6010A	LEAD	N/D		1.0	< 5.0	KRW	05/06/96	
7470A	MERCURY	N/D		0.10	< 0.2	DJF	05/06/96	
6010A	NICKEL	N/D		1.0	< 35.0	KRW	05/06/96	
6010A	SELENIUM	N/D		0.50	< 1.0	KRW	05/06/96	
6010A	SILVER	N/D		1.0	< 5.0	KRW	05/06/96	
6010A	ZINC	N/D		5.0	< 200.0	KRW	05/06/96	
						KRW	05/06/96	
SW-846 8260A	**TCLP VOLATILES**		mg/l					
	BENZENE	N/D		0.15	< 0.5	EH	05/06/96	
	CARBON TETRACHLORIDE	N/D		0.15	< 0.5			
	CHLOROBENZENE	N/D		0.30	< 100			
	CHLOROFORM	N/D		0.15	< 6.0			
	1,2-DICHLOROETHANE	N/D		0.15	< 0.5			
	1,1-DICHLOROETHYLENE	N/D		0.15	< 0.7			
	METHYL ETHYL KETONE	N/D		10	< 200			
	TETRACHLOROETHYLENE	N/D		0.15	< 0.7			
	TRICHLOROETHYLENE	N/D		0.15	< 0.5			
	VINYL CHLORIDE	N/D		0.15	< 0.2			
SW-846	**TCLP SEMI-VOLATILES:**		mg/l			AAT	05/03/96	
8270B	1,4-DICHLOROBENZENE	N/D		2.0	< 7.5			
	2,4-DINITROTOLUENE	N/D		0.13	< 0.13			
	HEXACHLOROBENZENE	N/D		0.13	< 0.13			
	HEXACHLOROBUTADIENE	N/D		0.13	< 0.5			
	HEXACHLOROETHANE	N/D		2.0	< 3.0			
	NITROBENZENE	N/D		2.0	< 2.0			
	PYRIDINE	N/D		2.0	< 5.0			
	TOTAL CRESOL	N/D		10	< 200.0			
	PENTACHLOROPHENOL	N/D		3.0	< 100.0			
	2,4,5-TRICHLOROPHENOL	N/D		2.0	< 400.0			
	2,4,6-TRICHLOROPHENOL	N/D		2.0	< 2.0			

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