



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

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 (yds³) of affected soil excavated from the Kenosha Engine Plant property. An additional approximately 70,000 yds³ 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 yds³)
- Southern portion of the Modified Oil Recycling Slab (approximately 100 yds³)
- Building 53 Compressor Room (approximately 700 yds³)

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.



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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 yds³) 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 yds³ 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 yds³) 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.



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October 4, 1995
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Laboratory analytical results (VOC, GRO, DRO, and WMWI Protocol B) from the compressor room soil samples collected from the existing 700 yds³ 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 yds³ 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 yds³, 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.

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

**EXISTING PROFILE EXTENSION
REQUEST NO. 2
CHRYSLER CORPORATION, KENOSHA
ENGINE AND MAIN PLANT PROPERTIES**

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. W943324.28

OCTOBER 1995

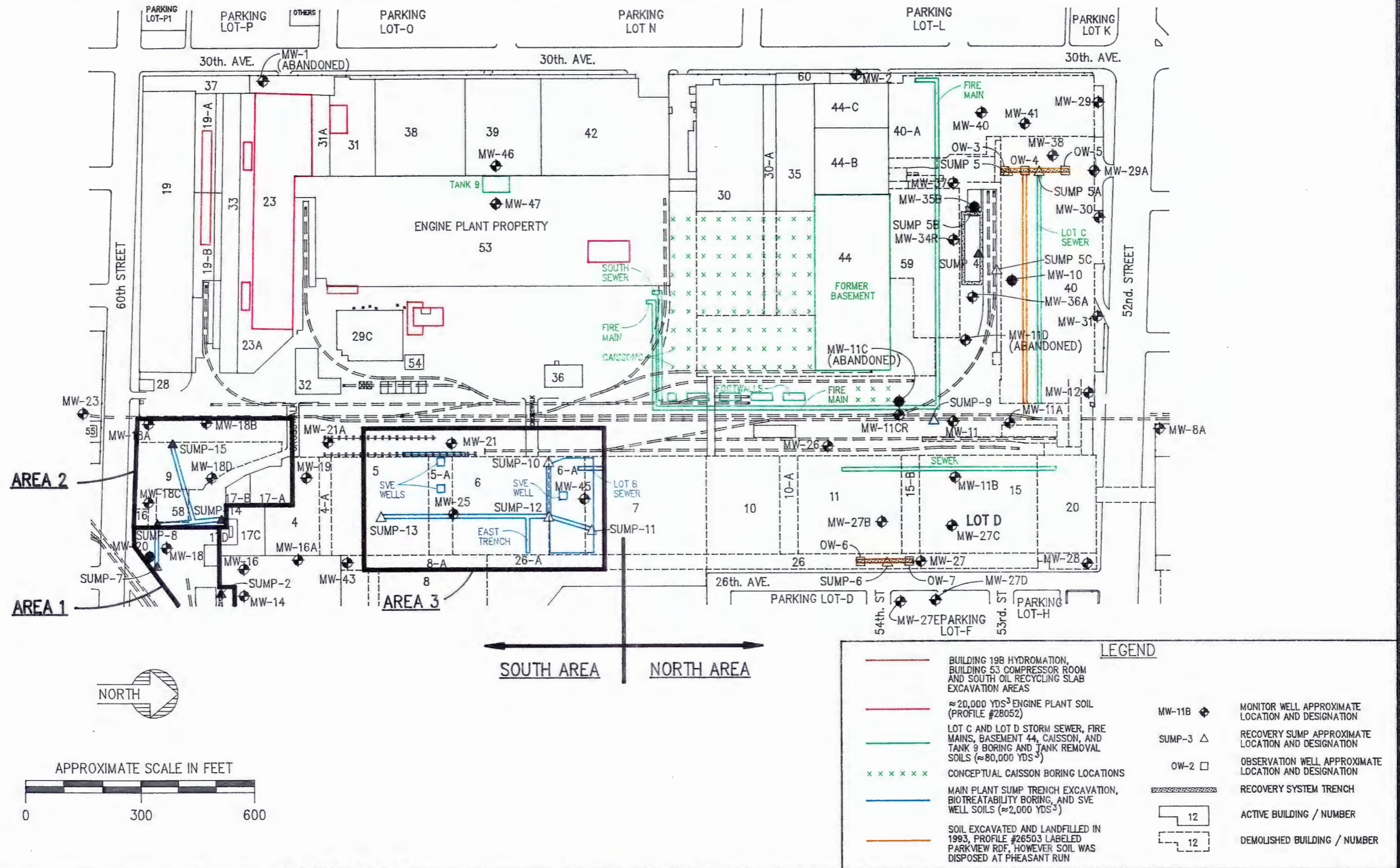


FIGURE 1
CHRYSLER KENOSHA MAIN PLANT
FACILITY LAYOUT

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

Decision Expiration Date: / /

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

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED

I. 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

II. WASTE STREAM INFORMATION (See Instructions)

Name of Waste: CONTAMINATED SOILS - diesel, gasoline & Urac's (per Ross Caughton - Triad - 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

III. TRANSPORTATION INFORMATION

Method of Shipment: Bulk Liquid Bulk Sludge Bulk Solid Drum/Box Other _____
Supplemental Shipping Information: SOILS WILL BE TRANSPORTED VIA DUMP TRUCKS

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

Color <u>BROWN</u>	2. Does the waste have a strong incidental odor? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes; if so, describe: _____	3. Physical State @ 70°F/21°C: <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Semi-Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Powder <input type="checkbox"/> Other: _____	4. Layers <input type="checkbox"/> Multi-layered <input type="checkbox"/> Bi-layered <input checked="" type="checkbox"/> Single Phased	5. Specific Gravity Range <u>1.9 . 2.2</u>	6. Free Liquids: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Volume: _____ %
pH: <input type="checkbox"/> ≤2 <input type="checkbox"/> > 2-4 <input type="checkbox"/> 4-7 <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 7-10 <input type="checkbox"/> 10- <12.5 <input type="checkbox"/> ≥12.5 <input type="checkbox"/> Range <input type="checkbox"/> NA					
Flash Point: <input type="checkbox"/> None <input type="checkbox"/> <140°F/60°C <input type="checkbox"/> 140 - 199°F/60 - 93°C <input checked="" type="checkbox"/> ≥200°F/93°C <input checked="" type="checkbox"/> Closed Cup <input type="checkbox"/> Open Cup					

V. CHEMICAL COMPOSITION (Omit for Type B)

	RANGE (MIN-MAX)	2. Does the waste contain any of the following? (provide concentration if known):		
		NO	or LESS THAN	or ACTUAL
SOILS	<u>>.99</u> %			
VOCs/DRO/GRO	<u><.05</u> %			
METALS	<u><.05</u> %			
	_____ %	PCBs <input type="checkbox"/>	<input checked="" type="checkbox"/> < 50 ppm	_____ ppm
	_____ %	Cyanides <input type="checkbox"/>	<input checked="" type="checkbox"/> < 50 ppm	_____ ppm
	_____ %	Sulfides <input type="checkbox"/>	<input checked="" type="checkbox"/> < 50 ppm	_____ ppm
	_____ %	Phenols <input checked="" type="checkbox"/>	<input type="checkbox"/> < 50 ppm	_____ ppm
	_____ %			
	_____ %			
Total:	<u>100</u> %			

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

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

4. 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 Ramponi*

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-dichloroethylene, 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.

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

11. 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:



RECEIVED



Chrysler Corporation
Featherstone Road Center

JUL 5 1995

**Pollution Prevention
& Remediation**

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.




Chrysler Corporation
Featherstone Road Center

Ms. Pamela Mylotta
July 5, 1995
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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

Ms. Pamela Mylotta
July 5, 1995
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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.

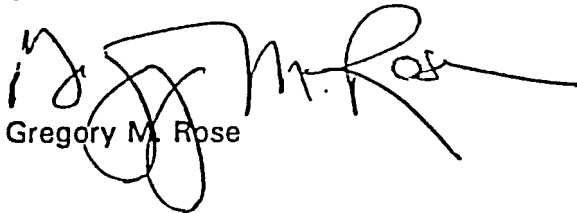
CONCLUSION

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,

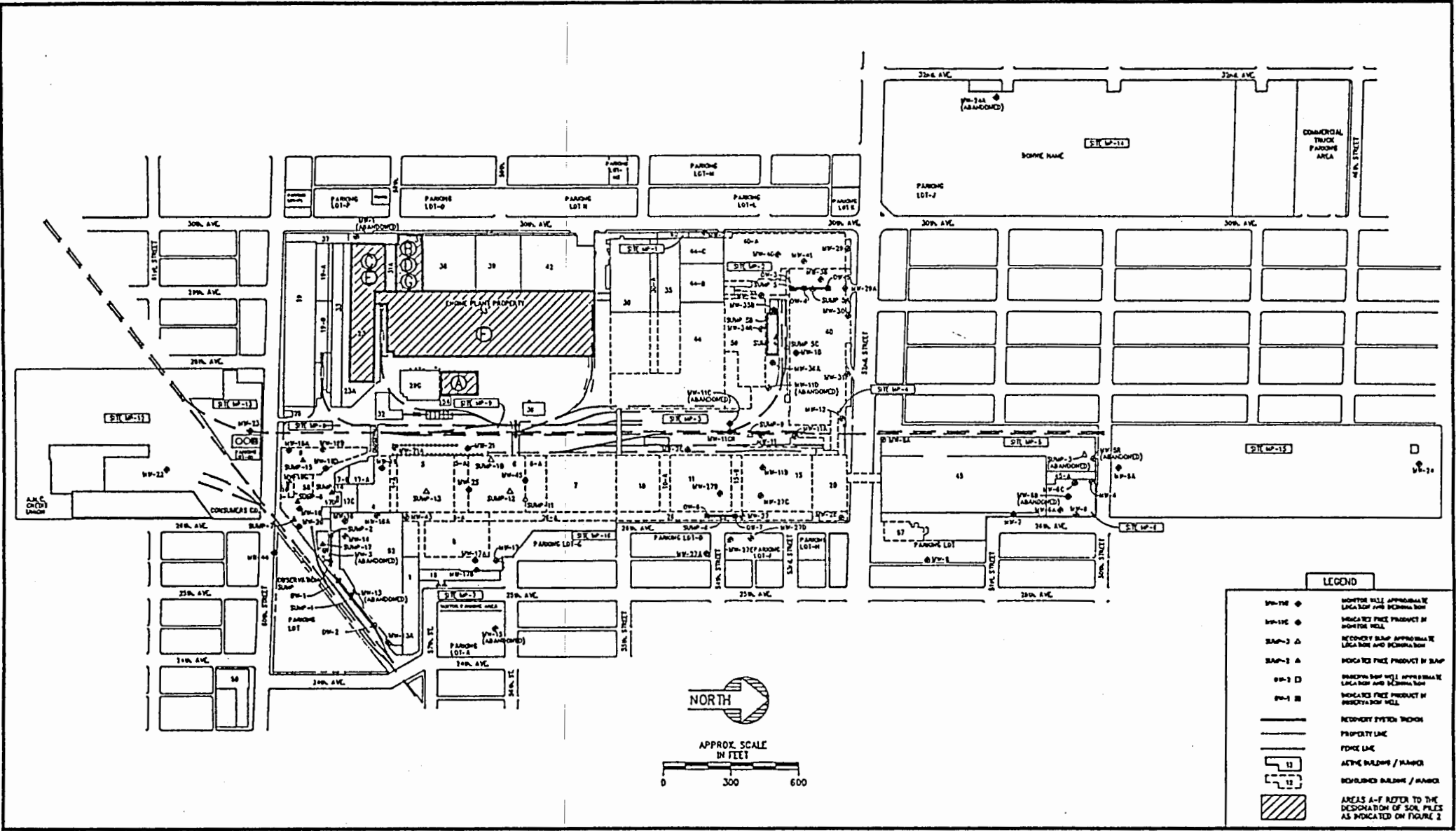
CHRYSLER CORPORATION



Gregory M. Rose

W9433241943324.211943324-B

cc: Curt Chapman/Chrysler
Richard Binder/Triad Engineering



LEGEND	
SW-100	INDICATES WELL APPROXIMATE LOCATION AND DEPTH FROM MONITOR WELL
SW-100	INDICATES PRICE PRODUCT IN MONITOR WELL
SWAP-3	RECOVERY SWAP APPROXIMATE LOCATION AND DEPTH FROM
SWAP-3	INDICATES PRICE PRODUCT IN SWAP
SW-3	INDICATES SWAP WELL APPROXIMATE LOCATION AND DEPTH FROM
SW-3	INDICATES PRICE PRODUCT IN RECOVERY SWAP WELL
---	RECOVERY SYSTEM TRENCH
---	PROPERTY LINE
---	PRICE LINE
[Hatched Box]	ACTIVE BUILDING / YARD
[Hatched Box]	ABANDONED BUILDING / YARD
[Hatched Box]	AREAS A-F REFER TO THE DESIGNATION OF SOIL PILES AS INDICATED ON FIGURE 2

FIGURE 1
CHRYSLER KENOSHA ENGINE
AND MAIN PLANT
FACILITY LAYOUT

SCALE

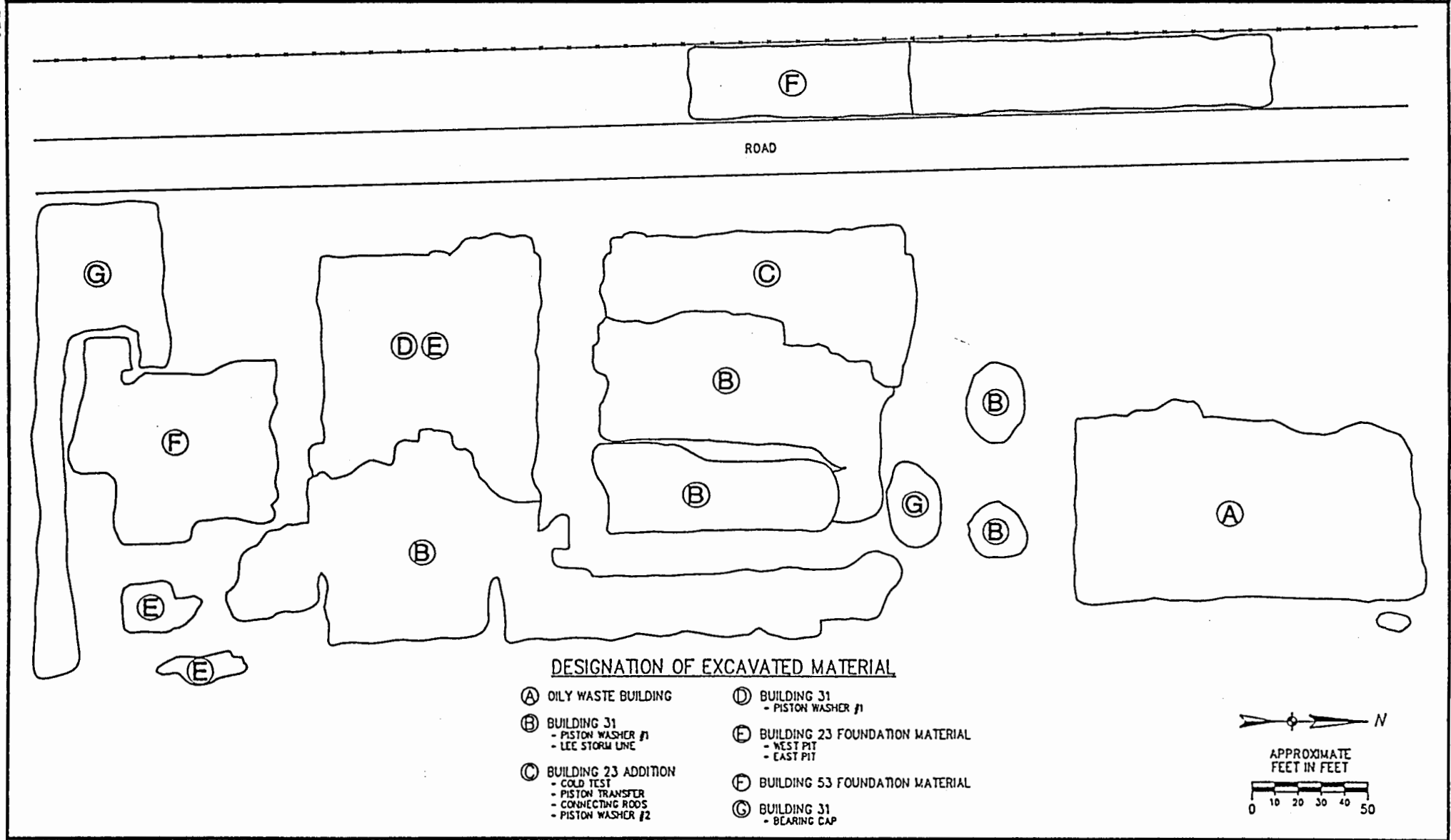


FIGURE 2
CHRYSLER KENOSHA ENGINE
AND MAIN PLANT
SOIL PILE DESIGNATIONS

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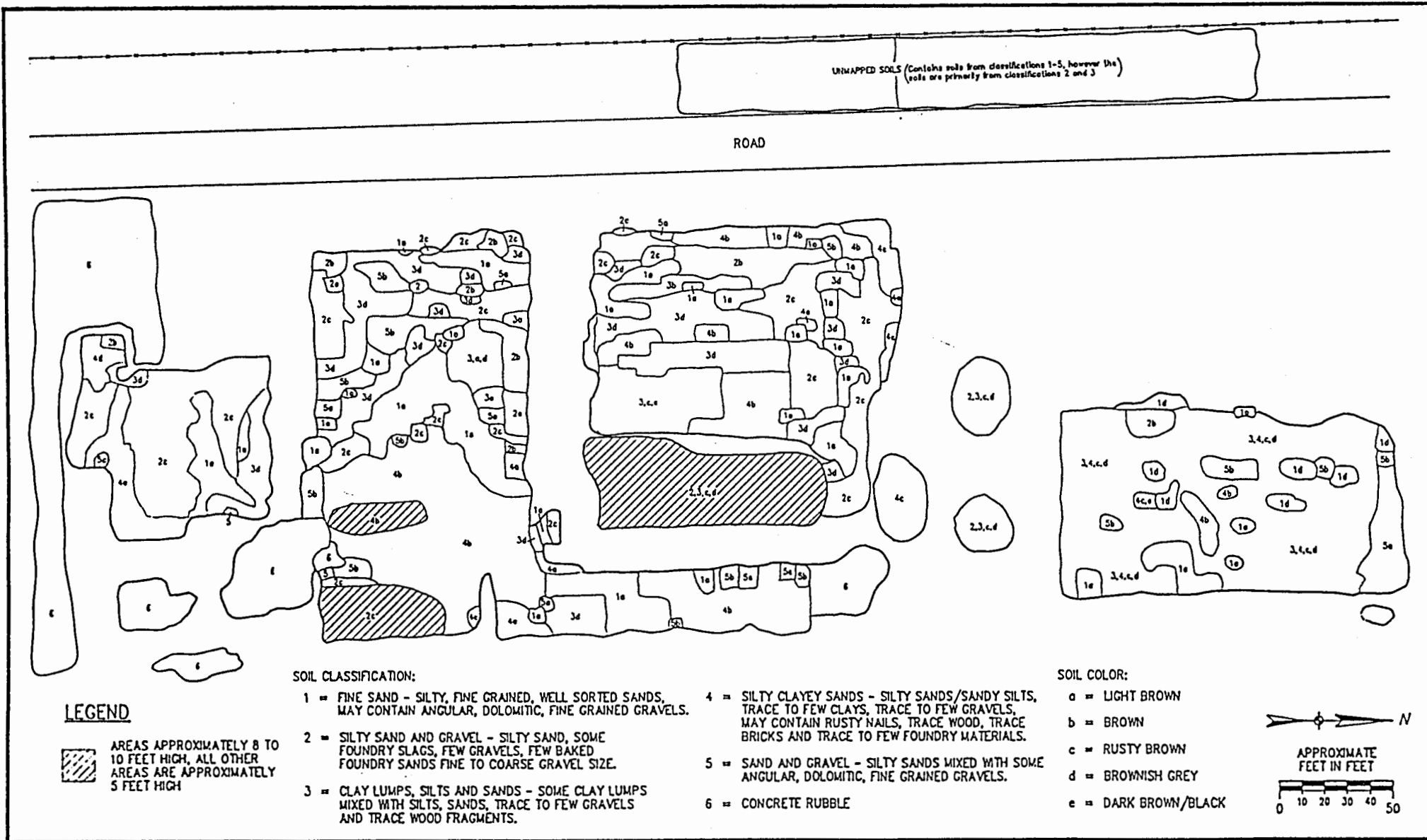


FIGURE 4
CHRYSLER KENOSHA ENGINE
AND RAIN PLANT
SOIL CLASSIFICATIONS



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

SAMPLE I.D.	DATE COLLECTED	LAB IDENTIFICATION ⁽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. 999941580).

(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



TE 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 (yds³) of affected soil excavated from the Kenosha Engine Plant property. Profile MW 26503 was used for disposal of approximately 2,500 yds³ 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 yds³)
- Lot C, Lot D, and Fire Main (approximately 15,000 yds³)
- Building 44 Basement (approximately 56,000 yds³)
- 2.7L Engine Block Line Caisson Borings (approximately 2,800 yds³)
- Main Plant Sump and Trench Excavations (approximately 2,000 yds³)
- Soil from Main Plant treatability and characterization testing and soil vapor extraction (SVE) well borings (approximately 10 yds³)

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.

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



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 yds³ 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 yds³ 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 yds³ 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.



Ms. Barbara Schmitt
August 17, 1995
Page 3

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 yds³ 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 yds³. Approximately 800 yds³ are anticipated to be generated from the caissons and approximately 2,000 yds³ 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 yds³ 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



Ms. Barbara Schmitt
August 17, 1995
Page 5

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

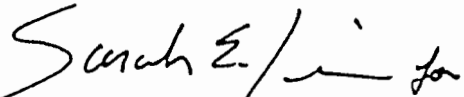
Enclosed are additional data for insertion into Attachments C, D, E, and G-3 of the Existing Profile Extension Request dated August 17, 1995. Data summary tables for Attachments C and D are also enclosed. You now have all the data collected from the following excavation locations:

- 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.



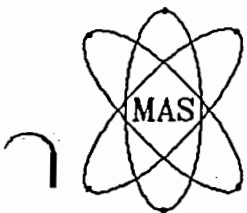
Ross M. Creighton
Project Hydrogeologist

rjb:mao\W943324\943324.27\943324-C

c: Pamela A. Mylotta - WDNR
Curt Chapman - Chrysler Pollution Prevention and Remediation
Jack Bugno - Chrysler Pollution Prevention and Remediation

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

ATTACHMENT B
BUILDING 19B
ANALYTICAL DATA



Midwest Analytical Services, Inc.

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Metropolitan Center for High Technology
2727 Second Avenue
Detroit, Michigan 48201

Phone: 1-800-801-4MAS (MI only)
: (313) 964-3680
Fax No: (313) 964-2339

Date : 11-Sep-95
Client : ROSS CREIGHTON
: TRIAD ENGINEERING, INC.
Mas# : 50901057-059
PROJECT: : CHRYSLER, KENOSHA, WISCONSIN
Sample ID. : BLD 19B, SLAB, MEOH BLANK

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.

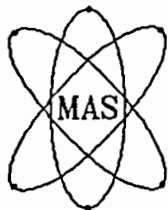
- 1. Reports shall not be reproduced, except in full, without written approval of Midwest Analytical Services, Inc.*
- 2. N/D=Not detected, N/A=Not applicable*
- 3. Results relate only to the items tested.*
- 4. mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)
μg/l, μg/kg, μg/kg(dry weight) 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
Lab. Quality Manager



Midwest Analytical Services, Inc.

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Detroit, Michigan 48201

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PAGE 1 OF 3

TEST REPORT

MAS #: 50901057

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 11-Sep-95

JOB #: W943324.27

PROJECT: CHRYSLER, KENOSHA, WISCONSIN
SAMPLE IDENTIFICATION: BLD 19B 08/31/95 1602
PHYSICAL DESCRIPTION: SOLID

METHOD : DRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/kg) DRY WEIGHT	DETECTION LIMIT (mg/kg) DRY WEIGHT	LAB TECH	DATE ANAL.
*DIESEL RANGE ORGANICS	210	10	MK	9/07/95

PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: YES, LATE
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): SOIL, GAS ODOR
WAS SAMPLE EXTRACTED AND ANALYZED WITHIN HOLDING TIME? YES
DOES THE DRO PATTERN LOOK LIKE DIESEL? YES

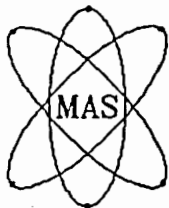
*THE ANALYTE CONCENTRATION WAS FOUND TO BE OUTSIDE OF THE ESTABLISHED LINEAR RANGE OF QUANTITATION FOR THIS COMPOUND. THE REPORTED VALUE IS AN APPROXIMATION ONLY.

METHOD : GRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/kg) DRY WEIGHT	DETECTION LIMIT (mg/kg) DRY WEIGHT	LAB TECH	DATE ANAL.
GASOLINE RANGE ORGANICS	37	10	MK	9/06/95

PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: YES, LATE
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): SOIL, GAS ODOR
WAS SAMPLE ANALYZED WITHIN HOLDING TIME? YES
WAS SAMPLE RECEIVED IN METHANOL? YES

Krystyna Czyzo
Lab. Quality Manager



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IN: DLB
PAGE 2 OF 3

TEST REPORT

MAS #: 50901057

(continued)

PROJECT: CHRYSLER, KENOSHA, WISCONSIN
SAMPLE IDENTIFICATION: BLD 19B 08/31/95 1602
PHYSICAL DESCRIPTION: SOLID

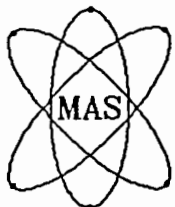
METHOD #: SW-846 8260A

DATE ANALYZED: 09/08/95

LAB TECH: MK

PARAMETER	SAMPLE RESULT µg/kg DRY WEIGHT	DETECTION LIMIT. µg/kg DRY WEIGHT
BENZENE	N/D	6.5
BROMOBENZENE	N/D	6.5
BROMODICHLOROMETHANE	N/D	6.5
n-BUTYLBENZENE	32	6.5
sec-BUTYLBENZENE	19	6.5
tert-BUTYLBENZENE	N/D	6.5
CARBON TETRACHLORIDE	N/D	6.5
CHLOROBENZENE	N/D	6.5
CHLOROETHANE	N/D	6.5
CHLOROFORM	N/D	6.5
CHLOROMETHANE	N/D	6.5
2-CHLOROTOLUENE	N/D	6.5
3-4-CHLOROTOLUENE	N/D	6.5
1,2-DIBROMO-3-CHLOROPROPANE	N/D	6.5
1,2-DIBROMOETHANE	N/D	6.5
DIBROMOCHLOROMETHANE	N/D	6.5
1,2-DICHLOROBENZENE	N/D	6.5
1,3-DICHLOROBENZENE	N/D	6.5
1,4-DICHLOROBENZENE	N/D	6.5
DICHLORODIFLUOROMETHANE	N/D	6.5
1,1-DICHLOROETHANE	N/D	6.5
1,2-DICHLOROETHANE	N/D	6.5
1,1-DICHLOROETHENE	N/D	6.5
cis-1,2-DICHLOROETHENE	N/D	6.5
trans-1,2-DICHLOROETHENE	N/D	6.5
1,2-DICHLOROPROPANE	N/D	6.5
1,3-DICHLOROPROPANE	N/D	6.5
2,2-DICHLOROPROPANE	N/D	6.5
ETHYL BENZENE	7.0	6.5
HEXACHLOROBUTADIENE	N/D	6.5
ISOPROPYLBENZENE	9.4	6.5
p-ISOPROPYLTOLUENE	N/D	6.5
METHYLENE CHLORIDE	N/D	6.5
METHYL TERT BUTYL ETHER	N/D	6.5
NAPHTHALENE	N/D	6.5
n-PROPYL BENZENE	27	6.5

Krystyna Czyzo
Lab. Quality Manager



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Detroit, Michigan 48201

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Fax No: (313) 964-2339

IN: DLB
PAGE 3 OF 3

TEST REPORT

MAS #: 50901057

(continued)

PROJECT: CHRYSLER, KENOSHA, WISCONSIN
SAMPLE IDENTIFICATION: BLD 19B 08/31/95 1602
PHYSICAL DESCRIPTION: SOLID

PARAMETER	SAMPLE RESULT µg/kg DRY WEIGHT	DETECTION LIMIT. µg/kg DRY WEIGHT
1,1,2,2-TETRACHLOROETHANE	N/D	6.5
TETRACHLOROETHENE	N/D	6.5
TOLUENE	16	6.5
1,2,3-TRICHLOROBENZENE	N/D	6.5
1,2,4-TRICHLOROBENZENE	13	6.5
1,1,1-TRICHLOROETHANE	N/D	6.5
1,1,2-TRICHLOROETHANE	N/D	6.5
TRICHLOROETHENE	N/D	6.5
TRICHLOROFLUOROMETHANE	N/D	6.5
1,2,4-TRIMETHYLBENZENE	N/D	6.5
1,3,5-TRIMETHYLBENZENE	N/D	6.5
VINYL CHLORIDE	N/D	6.5
m & p-XYLENES	N/D	13
o-XYLENE	11	6.5

Krystyna Czyzo
Lab. Quality Manager

MIDWEST ANALYTICAL SERVICES, INC.
 5101 W. BELoit RD.
 MILWAUKEE, WI. 53214

**CHAIN OF CUSTODY RECORD
 & SAMPLE ANALYSIS REQUEST**

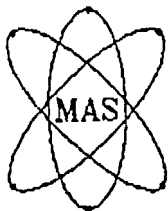


PHONE#: (414) 43-3500
 FAX#: (414) 643-3502

CLIENT: TRIAD ENGINEERING INC		SAMPLE COLLECTOR: KURT R. WALDHUETTER		DETECTION LIMITS (DL)					PAGE <u>1</u> OF <u>1</u>			
P.O.#:		RELEASE OR REFERENCE		DL DL DL DL DL					NORMAL <input checked="" type="checkbox"/>			
JOB #: W943324.27		F/N TEL#: 414-291-8840		ANALYSIS VOC METHOD 8260 ANALYSIS PRO METHOD WDNR MOD. ANALYSIS GRO METHOD WDNR MOD. ANALYSIS METHOD ANALYSIS METHOD					RUSH _____			
PROJECT: CHRYSLER, KENOSHA, WISCONSIN		RESULTS TO THE ATTENTION OF: ROSS CREIGHTON							NEED FAXED: YES: <input type="checkbox"/> NO: <input type="checkbox"/>		G-GLASS P-PLASTIC	
CONTAINERS		PRESERVATIVE							LAB USE ONLY			
ITEM #	SAMPLE IDENTIFICATION	LOCATION	DATE/TIME SAMPLED	SAMPLE *ORIGIN MATRIX		#	SIZE	TYPE	LAB USE ONLY MAS # & PHYS. DESC.			
1	BLD 19B		8/31/95 1602	7.	SOIL	4	202	G	GRO-MEOH 50901057			
2	SLAB		8/31/95 1625	↓	SOIL	4	↓	↓	58			
3	MeOH BLANK		8/31/95 1602	↓	MEOH	1	↓	↓	59			

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	* SAMPLE ORIGIN		
<i>Kurt Waldhuetter</i>	8/31/95 1915	<i>Charles Cook</i>	9/1/95	1. DRINKING WATER	5. TCLP WASTE	9. RESEARCH
<i>Charles Cook</i>	9/1/95			2. N.P.D.E.S.	6. MDNR	10. AIR
				3. WASTE WATER - CITY:	7. WDNR	11. OTHER:
				4. STORM WATER	8. INTERNAL USE	
		RECEIVED FOR LAB BY:	9-2-95 11:45 AM	LAB USE ONLY:		FIELD CHARGES:
				STATUS OF THE SAMPLE RECEIVED:		FIELD HOURS
				TRANSPORT TEMPERATURE (Cold/Dry Ice)		SET UP
				SEALED <input checked="" type="checkbox"/> NOT SEALED <input type="checkbox"/>		ISCO CHARGE
				RECEIVED BY:		PICK UP: _____ OF _____
				MAIL <input type="checkbox"/> DROP OFF <input type="checkbox"/>		C <input type="checkbox"/> NC <input type="checkbox"/>

COMMENTS: **BLD 19B IS IN AREA OF NEW HEAD LINE. SLAB IS IN AREA OF WASTE SLAB.**



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2727 Second Avenue
Detroit, Michigan 48201

Phone: 1-800-801-4MAS (MI only)
: (313) 964-3680
Fax No: (313) 964-2339

Date : 26-Sep-95
Client : ROSS CREIGHTON
: TRIAD ENGINEERING, INC.
Mas# : 50921012-014
PROJECT: : CHRYSLER
Sample LD. : SLAB-2, BLD53CR, BLD19B-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.

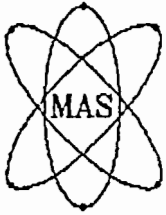
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2. N/D=Not detected, N/A=Not applicable
3. Results relate only to the items tested.
4. mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)
μg/l, μg/kg, μg/kg(dry weight) equal ppb(parts per billion)

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
Lab. Quality Manager



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2727 Second Avenue
Detroit, Michigan 48201

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Fax No: (313) 964-2339

IN: NWB

TEST REPORT

MAS #: 50921014

PAGE 1 OF 2

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 26-Sep-95

JOB #: W943324

PROJECT: CHRYSLER

SAMPLE IDENTIFICATION: BLD19B-2 09/20/95 1255

PHYSICAL DESCRIPTION: SOLID

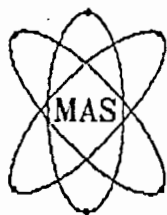
FILE: WDMRPROTB

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 9045C	*pH/CORROSIVITY	9.08	UNITS	----	2.0 ≤pH≤ 12.5	CH	09/22/95	
ASTM D5057	APPARENT SPECIFIC GRAVITY	2.2	---	----	----	CH	09/25/95	
EPA 160.3	TOTAL SOLIDS	92	%	----	----	CH	09/22/95	
SW-846 9095	PAINT FILTER TEST	0% FREE LIQUIDS		----	0%	KRW	09/22/95	
SW-846 1010	IGNITIBILITY	> 200	F	----	> 140	CH	09/22/95	
SW-846 9076	**CHLORIDE	N/D	mg/kg	100	< 10,000	CH	09/25/95	
SW-846 7.3.4.2	REACTIVE SULFIDE	N/D	mg/kg	20	< 50	BB	09/25/95	
SW-846. 7.3.3.2	REACTIVE CYANIDE	N/D	mg/kg	10	< 50	BB	09/22/95	
EPA 420.1	TCLP PHENOL (1311)	N/D	mg/l	0.1	< 2000	BB	09/22/95	
SW-846 8080A	PCB:		mg/kg		< 50	MKH	09/22/95	
	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 25.4°C.

**ANALYZED AS TOTAL HALOGENS.

Krystyna Czyzo
Lab. Quality Manager



Midwest Analytical Services, Inc.

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2727 Second Avenue
Detroit, Michigan 48201

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IN: NWB
PAGE 2 OF 2

TEST REPORT

MAS #: 50921014

(CONTINUED)

PROJECT: CHRYSLER
SAMPLE IDENTIFICATION: BLD19B-2 09/20/95 1255
PHYSICAL DESCRIPTION: SOLID

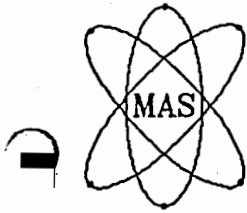
METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846	TCLP METALS :		mg/l					
6010A	ARSENIC	N/D		1.0	< 5.0	KRW	09/22/95	
6010A	BARIUM	N/D		10.0	< 100.0	KRW	09/22/95	
6010A	CADMIUM	N/D		0.5	< 1.0	KRW	09/22/95	
6010A	CHROMIUM	N/D		1.0	< 5.0	KRW	09/22/95	
6010A	COPPER	N/D		1.0	< 100.0	KRW	09/22/95	
6010A	LEAD	N/D		1.0	< 5.0	KRW	09/22/95	
7470A	MERCURY	N/D		0.10	< 0.2	DGB	09/22/95	
6010A	NICKEL	N/D		1.0	< 35.0	KRW	09/22/95	
6010A	SELENIUM	N/D		0.50	< 1.0	KRW	09/22/95	
6010A	SILVER	N/D		1.0	< 5.0	KRW	09/22/95	
6010A	ZINC	N/D		5.0	< 200.0	KRW	09/22/95	
SW-846 8260A	TCLP VOLATILES		mg/l			TT	09/22/95	
	BENZENE	N/D		0.15	< 0.5			
	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			EH	09/22/95	
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			

Krystyna Czyzo

Krystyna Czyzo
Lab. Quality Manager

ATTACHMENT C

**MODIFIED OIL RECYCLING SLAB
(SOUTHERN PORTION)
ANALYTICAL DATA**



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2727 Second Avenue
Detroit, Michigan 48201

Phone: 1-800-801-4MAS (MI only)
: (313) 964-3680
Fax No: (313) 964-2339

Date : 11-Sep-95
Client : ROSS CREIGHTON
: TRIAD ENGINEERING, INC.
Mas# : 50901057-059
PROJECT: : CHRYSLER, KENOSHA, WISCONSIN
Sample I.D. : BLD 19B, SLAB, MEOH BLANK

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.

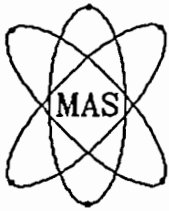
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2. N/D=Not detected, N/A=Not applicable
3. Results relate only to the items tested.
4. mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)
 $\mu\text{g/l}$, $\mu\text{g/kg}$, $\mu\text{g/kg(dry weight)}$ equal ppb(parts per billion)

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
Lab. Quality Manager



Midwest Analytical Services, Inc.

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Detroit, Michigan 48201

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IN: DLB
PAGE 1 OF 3

TEST REPORT

MAS #: 50901058

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 11-Sep-95

JOB #: W943324.27

PROJECT: CHRYSLER, KENOSHA, WISCONSIN
SAMPLE IDENTIFICATION: SLAB 08/31/95 1625
PHYSICAL DESCRIPTION: SOLID

METHOD : DRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/kg) DRY WEIGHT	DETECTION LIMIT (mg/kg) DRY WEIGHT	LAB TECH	DATE ANAL.
*DIESEL RANGE ORGANICS	110	10	MK	9/07/95


PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: YES, LATE
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): SOIL, GAS ODOR
WAS SAMPLE EXTRACTED AND ANALYZED WITHIN HOLDING TIME? YES
DOES THE DRO PATTERN LOOK LIKE DIESEL? YES

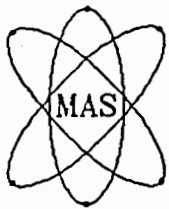
*THE ANALYTE CONCENTRATION WAS FOUND TO BE OUTSIDE OF THE ESTABLISHED LINEAR RANGE OF QUANTITATION FOR THIS COMPOUND. THE REPORTED VALUE IS AN APPROXIMATION ONLY.

METHOD : GRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/kg) DRY WEIGHT	DETECTION LIMIT (mg/kg) DRY WEIGHT	LAB TECH	DATE ANAL.
GASOLINE RANGE ORGANICS	890	10	MK	9/06/95

PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: YES, LATE
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): SOIL, GAS ODOR
WAS SAMPLE ANALYZED WITHIN HOLDING TIME? YES
WAS SAMPLE RECEIVED IN METHANOL? YES


Krystyna Czyzo
Lab. Quality Manager



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PAGE 2 OF 3

TEST REPORT

MAS #: 50901058

(continued)

PROJECT: CHRYSLER, KENOSHA, WISCONSIN
SAMPLE IDENTIFICATION: SLAB 08/31/95 1625
PHYSICAL DESCRIPTION: SOLID

METHOD #: SW-846 8260A

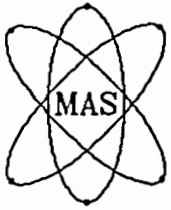
DATE ANALYZED: 09/08/95

LAB TECH: MK

PARAMETER	SAMPLE RESULT µg/kg DRY WEIGHT	DETECTION LIMIT. µg/kg DRY WEIGHT
BENZENE	150	6.3
BROMOBENZENE	N/D	6.3
BROMODICHLOROMETHANE.	N/D	6.3
n-BUTYLBENZENE	420	6.3
sec-BUTYLBENZENE	33	6.3
tert-BUTYLBENZENE.	19	6.3
CARBON TETRACHLORIDE	N/D	6.3
CHLOROENZENE	N/D	6.3
CHLOROETHANE	N/D	6.3
CHLOROFORM	N/D	6.3
CHLOROMETHANE	N/D	6.3
2-CHLOROTOLUENE	N/D	6.3
4-CHLOROTOLUENE	N/D	6.3
1,2-DIBROMO-3-CHLOROPROPANE	N/D	6.3
1,2-DIBROMOETHANE	N/D	6.3
DIBROMOCHLOROMETHANE.	N/D	6.3
1,2-DICHLOROBENZENE	N/D	6.3
1,3-DICHLOROBENZENE	N/D	6.3
1,4-DICHLOROBENZENE	N/D	6.3
DICHLORODIFLUOROMETHANE	N/D	6.3
*1,1-DICHLOROETHANE	5,400	6.3
1,2-DICHLOROETHANE	26	6.3
1,1-DICHLOROETHENE	N/D	6.3
*cis-1,2-DICHLOROETHENE	15,000	6.3
trans-1,2-DICHLOROETHENE	110	6.3
1,2-DICHLOROPROPANE	N/D	6.3
1,3-DICHLOROPROPANE	N/D	6.3
2,2-DICHLOROPROPANE	N/D	6.3
*ETHYL BENZENE	2,500	6.3
HEXACHLOROBUTADIENE	N/D	6.3
ISOPROPYLBENZENE	84	6.3
p-ISOPROPYLTOLUENE	250	6.3
METHYLENE CHLORIDE	N/D	6.3
METHYL TERT BUTYL ETHER	N/D	6.3
NAPHTHALENE	N/D	6.3
n-PROPYL BENZENE	100	6.3

*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.

Krystyna Czyzo
Lab. Quality Manager



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TEST REPORT

MAS #: 50901058

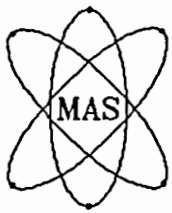
(continued)

PROJECT: CHRYSLER, KENOSHA, WISCONSIN
SAMPLE IDENTIFICATION: SLAB 08/31/95 1625
PHYSICAL DESCRIPTION: SOLID

PARAMETER	SAMPLE RESULT µg/kg DRY WEIGHT	DETECTION LIMIT. µg/kg DRY WEIGHT
1,1,2,2-TETRACHLOROETHANE	N/D	6.3
TETRACHLOROETHENE	340	6.3
*TOLUENE	3,800	6.3
1,2,3-TRICHLOROBENZENE	N/D	6.3
1,2,4-TRICHLOROBENZENE	N/D	6.3
*1,1,1-TRICHLOROETHANE	2,600	6.3
1,1,2-TRICHLOROETHANE	11	6.3
TRICHLOROETHENE	420	6.3
TRICHLOROFLUOROMETHANE	N/D	6.3
*1,2,4-TRIMETHYLBENZENE	9,400	6.3
*1,3,5-TRIMETHYLBENZENE	10,000	6.3
VINYL CHLORIDE	100	6.3
*m & p-XYLENES	4,600	13
*o-XYLENE	26,000	6.3

*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.

Krystyna Czyzo
Lab. Quality Manager



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TEST REPORT

MAS #: 50901059

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 11-Sep-95

JOB #: W943324.27

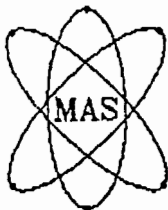
PROJECT: CHRYSLER, KENOSHA, WISCONSIN
SAMPLE IDENTIFICATION: MEOH BLANK 08/31/95 1602
PHYSICAL DESCRIPTION: LIQUID

METHOD : GRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/l)	DETECTION LIMIT (mg/l)	LAB TECH	DATE ANAL.
GASOLINE RANGE ORGANICS	N/D	10	MK	9/06/95

PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: NO
SAMPLE OBSERVATION (VISUAL AND OLEFACTORY): MEOH
WAS SAMPLE ANALYZED WITHIN HOLDING TIME? YES

Krystyna Czyzo
Lab. Quality Manager



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Phone: 1-800-801-4MAS (MI only)
: (313) 964-3680
Fax No: (313) 964-2339

Date : 26-Sep-95
Client : ROSS CREIGHTON
: TRIAD ENGINEERING, INC.
Mas# : 50921012-014
PROJECT: : CHRYSLER
Sample LD. : SLAB-2, BLD53CR, BLD19B-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.

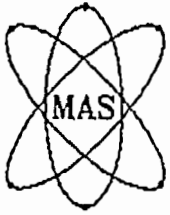
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2. N/D=Not detected, N/A=Not applicable
3. Results relate only to the items tested.
4. mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)
μg/l, μg/kg, μg/kg(dry weight) equal ppb(parts per billion)

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
Lab. Quality Manager



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TEST REPORT

MAS #: 50921012

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ROSS CREIGHTON
 TRIAD ENGINEERING, INC.
 325 EAST CHICAGO STREET
 MILWAUKEE, WI 53202

DATE COMPLETED: 26-Sep-95

JOB #: W943324

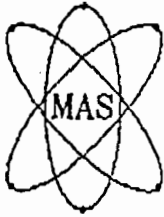
PROJECT: CHRYSLER
 SAMPLE IDENTIFICATION: SLAB-2 09/20:95 1225
 PHYSICAL DESCRIPTION: SOLID

FILE: WDMRPROTB

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 9045C	*pH/CORROSIVITY	7.70	UNITS	----	2.0 ≤pH≤ 12.5	CH	09/22/95	
ASTM D5057	APPARENT SPECIFIC GRAVITY	1.9	---	----	----	CH	09/25/95	
EPA 160.3	TOTAL SOLIDS	83	g	----	----	CH	09/22/95	
SW-846 9095	PAINT FILTER TEST	0% FREE LIQUIDS		----	0%	KRW	09/22/95	
SW-846 1010	IGNITIBILITY	> 200	F	----	> 140	CH	09/22/95	
SW-846 9076	**CHLORIDE	N/D	mg/kg	100	< 10,000	CH	09/25/95	
SW-846 7.3.4.2	REACTIVE SULFIDE	N/D	mg/kg	20	< 50	BB	09/25/95	
SW-846. 7.3.3.2	REACTIVE CYANIDE	N/D	mg/kg	10	< 50	BB	09/22/95	
EPA 420.1	TCLP PHENOL (1311)	N/D	mg/l	0.1	< 2000	BB	09/22/95	
SW-846 8080A	PCB:		mg/kg		< 50	MKH	09/22/95	
	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 22.9° C.
 **ANALYZED AS TOTAL HALOGENS.

Krystyna Czyzo
 Lab. Quality Manager



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TEST REPORT

MAS #: 50921012

(CONTINUED)

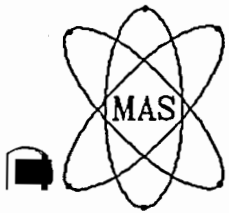
PROJECT: CHRYSLER
SAMPLE IDENTIFICATION: SLAB-2 09/20/95 1225
PHYSICAL DESCRIPTION: SOLID

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	09/22/95	
6010A	BARIUM	N/D		10.0	< 100.0	KRW	09/22/95	
6010A	CADMIUM	N/D		0.5	< 1.0	KRW	09/22/95	
6010A	CHROMIUM	N/D		1.0	< 5.0	KRW	09/22/95	
6010A	COPPER	N/D		1.0	< 100.0	KRW	09/22/95	
6010A	LEAD	N/D		1.0	< 5.0	KRW	09/22/95	
7470A	MERCURY	N/D		0.10	< 0.2	DGE	09/22/95	
6010A	NICKEL	N/D		1.0	< 35.0	KRW	09/22/95	
6010A	SELENIUM	N/D		0.50	< 1.0	KRW	09/22/95	
6010A	SILVER	N/D		1.0	< 5.0	KRW	09/22/95	
6010A	ZINC	N/D		5.0	< 200.0	KRW	09/22/95	
SW-846 8260A	TCLP VOLATILES		mg/l			TT	09/22/95	
	BENZENE	N/D		0.15	< 0.5			
	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			EH	09/22/95	
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			

Krystyna Czyzo

Krystyna Czyzo
Lab. Quality Manager

ATTACHMENT D
BUILDING 53 COMPRESSOR ROOM
ANALYTICAL DATA



Midwest Analytical Services, Inc.

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2727 Second Avenue
Detroit, Michigan 48201

Phone: 1-800-801-4MAS (MI only)
: (313) 964-3680
Fax No: (313) 964-2339

Date : 29-Aug-95
Client : ROSS CREIGHTON
: TRIAD ENGINEERING, INC.
Mas# : 50822006-008
PROJECT: : CHRYSLER BUILDING 53
Sample LD. : CREXC-1 5.5-6', CREXC-4 4.5-5', MEOH BLANK

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.

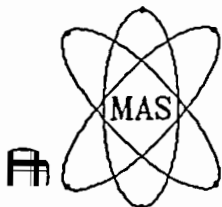
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- 2. N/D=Not detected, N/A=Not applicable*
- 3. Results relate only to the items tested.*
- 4. mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)
μg/l, μg/kg, μg/kg(dry weight) equal ppb(parts per billion)*

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
Lab. Quality Manager



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TEST REPORT

MAS #: 50822006

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 29-Aug-95

JOB #: W943324

PROJECT: CHRYSLER BUILDING 53
SAMPLE IDENTIFICATION: CREXC-1 5.5-6' 08/18/95 1200
PHYSICAL DESCRIPTION: SOLID

METHOD : DRO BY WISCONSIN LUST MODIFIED.

PARAMETER	SAMPLE RESULT (mg/kg) DRY WEIGHT	DETECTION LIMIT (mg/kg) DRY WEIGHT	LAB TECH	DATE ANAL.
DIESEL RANGE ORGANICS	23	10	MK	8/24/95

PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: NO
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): SOIL, GAS ODOR
WAS SAMPLE EXTRACTED AND ANALYZED WITHIN HOLDING TIME? YES
DOES THE DRO PATTERN LOOK LIKE DIESEL? YES

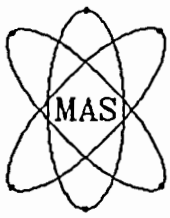


METHOD : GRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/kg) DRY WEIGHT	DETECTION LIMIT (mg/kg) DRY WEIGHT	LAB TECH	DATE ANAL.
GASOLINE RANGE ORGANICS	*3,300	10	MK	8/23/95

PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: YES, LATE
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): SOIL, GAS ODOR
WAS SAMPLE ANALYZED WITHIN HOLDING TIME? YES
WAS SAMPLE RECEIVED IN METHANOL? YES
*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.
A LARGE PORTION OF THE GRO CALCULATED CONCENTRATION RESULTS FROM A SINGLE, LARGE PEAK WHICH ELUTES VERY EARLY IN THE GRO TIME WINDOW.

Krystyna Czyzo
Lab. Quality Manager



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IN: DLB
PAGE 2 OF 3

TEST REPORT

MAS #: 50822006

(continued)

PROJECT: CHRYSLER BUILDING 53
SAMPLE IDENTIFICATION: CREXC-1 5.5-6' 08/18/95 1200
PHYSICAL DESCRIPTION: SOLID

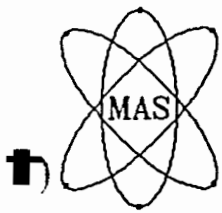
METHOD #: SW-846 8260A

DATE ANALYZED: 08/25/95

LAB TECH: TT

PARAMETER	SAMPLE RESULT µg/kg DRY WEIGHT	DETECTION LIMIT. µg/kg DRY WEIGHT
BENZENE	N/D	5.0
BROMOBENZENE	N/D	5.0
BROMODICHLOROMETHANE .	N/D	5.0
n-BUTYLBENZENE	43	5.0
sec-BUTYLBENZENE	21	5.0
tert-BUTYLBENZENE .	N/D	5.0
CARBON TETRACHLORIDE	N/D	5.0
CHLOROBENZENE	N/D	5.0
CHLOROETHANE	N/D	5.0
CHLOROFORM	N/D	5.0
CHLOROMETHANE	N/D	5.0
2-CHLOROTOLUENE	N/D	5.0
4-CHLOROTOLUENE	N/D	5.0
1,2-DIBROMO-3-CHLOROPROPANE	N/D	5.0
1,2-DIBROMOETHANE	N/D	5.0
DIBROMOCHLOROMETHANE .	N/D	5.0
1,2-DICHLOROENZENE	N/D	5.0
1,3-DICHLOROENZENE	N/D	5.0
1,4-DICHLOROENZENE	N/D	5.0
DICHLORODIFLUOROMETHANE	N/D	5.0
1,1-DICHLOROETHANE	N/D	5.0
1,2-DICHLOROETHANE	N/D	5.0
1,1-DICHLOROETHENE	N/D	5.0
cis-1,2-DICHLOROETHENE	N/D	5.0
trans-1,2-DICHLOROETHENE	N/D	5.0
1,2-DICHLOROPROPANE	N/D	5.0
1,3-DICHLOROPROPANE	N/D	5.0
2,2-DICHLOROPROPANE	N/D	5.0
ETHYL BENZENE	N/D	5.0
HEXACHLOROBUTADIENE	N/D	5.0
ISOPROPYLBENZENE	N/D	5.0
p-ISOPROPYLTOLUENE	30	5.0
METHYLENE CHLORIDE	N/D	5.0
METHYL TERT BUTYL ETHER	N/D	5.0
NAPHTHALENE	N/D	5.0
n-PROPYL BENZENE	N/D	5.0

Krystyna Czyzo
Lab. Quality Manager



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TEST REPORT

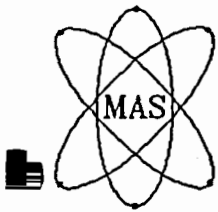
MAS #: 50822006

(continued)

PROJECT: CHRYSLER BUILDING 53
SAMPLE IDENTIFICATION: CREXC-1 5.5-6' 08/18/95 1200
PHYSICAL DESCRIPTION: SOLID

PARAMETER	SAMPLE RESULT µg/kg DRY WEIGHT	DETECTION LIMIT. µg/kg DRY WEIGHT
1,1,2,2-TETRACHLOROETHANE	N/D	5.0
TETRACHLOROETHENE	N/D	5.0
TOLUENE	N/D	5.0
1,2,3-TRICHLOROBENZENE	N/D	5.0
1,2,4-TRICHLOROBENZENE	N/D	5.0
1,1,1-TRICHLOROETHANE	N/D	5.0
1,1,2-TRICHLOROETHANE	N/D	5.0
TRICHLOROETHENE	N/D	5.0
TRICHLOROFLUOROMETHANE	N/D	5.0
1,2,4-TRIMETHYLBENZENE	N/D	5.0
1,3,5-TRIMETHYLBENZENE	N/D	5.0
VINYL CHLORIDE	N/D	5.0
m & p-XYLENES	N/D	10
o-XYLENE	N/D	5.0

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Lab. Quality Manager



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TEST REPORT

MAS #: 50822007

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 29-Aug-95

JOB #: W943324

PROJECT: CHRYSLER BUILDING 53
SAMPLE IDENTIFICATION: CREXC-4 4.5-5' 08/18/95 1230
PHYSICAL DESCRIPTION: SOLID

METHOD : DRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/kg) DRY WEIGHT	DETECTION LIMIT (mg/kg) DRY WEIGHT	LAB TECH	DATE ANAL.
DIESEL RANGE ORGANICS	N/D	10	MK	8/24/95

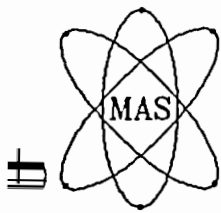
PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: NO
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): SOIL, GAS ODOR
WAS SAMPLE EXTRACTED AND ANALYZED WITHIN HOLDING TIME? YES

METHOD : GRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/kg) DRY WEIGHT	DETECTION LIMIT (mg/kg) DRY WEIGHT	LAB TECH	DATE ANAL.
GASOLINE RANGE ORGANICS	N/D	10	MK	8/23/95

PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: NO
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): SOIL, GAS ODOR
WAS SAMPLE ANALYZED WITHIN HOLDING TIME? YES
WAS SAMPLE RECEIVED IN METHANOL? YES

Krystyna Czyzo
Lab. Quality Manager



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PAGE 2 OF 3

TEST REPORT

MAS #: 50822007

(continued)

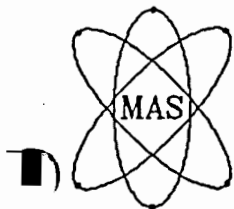
PROJECT: CHRYSLER BUILDING 53
SAMPLE IDENTIFICATION: CREXC-4 4.5-5' 08/18/95 1230
PHYSICAL DESCRIPTION: SOLID

METHOD #: SW-846 8260A
DATE ANALYZED: 08/25/95

LAB TECH: TT

PARAMETER	SAMPLE RESULT µg/kg DRY WEIGHT	DETECTION LIMIT. µg/kg DRY WEIGHT
BENZENE	N/D	5.0
BROMOBENZENE	N/D	5.0
BROMODICHLOROMETHANE.	N/D	5.0
n-BUTYLBENZENE	N/D	5.0
sec-BUTYLBENZENE	N/D	5.0
tert-BUTYLBENZENE.	N/D	5.0
CARBON TETRACHLORIDE	N/D	5.0
CHLOROBENZENE	N/D	5.0
CHLOROETHANE	N/D	5.0
CHLOROFORM	N/D	5.0
CHLOROMETHANE	N/D	5.0
2-CHLOROTOLUENE	N/D	5.0
4-CHLOROTOLUENE	N/D	5.0
1,2-DIBROMO-3-CHLOROPROPANE	N/D	5.0
1,2-DIBROMOETHANE	N/D	5.0
DIBROMOCHLOROMETHANE.	N/D	5.0
1,2-DICHLOROBENZENE	N/D	5.0
1,3-DICHLOROBENZENE	N/D	5.0
1,4-DICHLOROBENZENE	N/D	5.0
DICHLORODIFLUOROMETHANE	N/D	5.0
1,1-DICHLOROETHANE	N/D	5.0
1,2-DICHLOROETHANE	N/D	5.0
1,1-DICHLOROETHENE	N/D	5.0
cis-1,2-DICHLOROETHENE	N/D	5.0
trans-1,2-DICHLOROETHENE	N/D	5.0
1,2-DICHLOROPROPANE	N/D	5.0
1,3-DICHLOROPROPANE	N/D	5.0
2,2-DICHLOROPROPANE	N/D	5.0
ETHYL BENZENE	N/D	5.0
HEXACHLOROBUTADIENE	N/D	5.0
ISOPROPYLBENZENE	N/D	5.0
p-ISOPROPYLTOLUENE	N/D	5.0
METHYLENE CHLORIDE	N/D	5.0
METHYL TERT BUTYL ETHER	N/D	5.0
NAPHTHALENE	N/D	5.0
n-PROPYL BENZENE	N/D	5.0

Krystyna Czyzo
Lab. Quality Manager



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IN: DLB
PAGE 3 OF 3

TEST REPORT

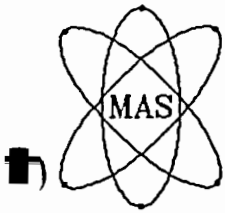
MAS #: 50822007

(continued)

PROJECT: CHRYSLER BUILDING 53
SAMPLE IDENTIFICATION: CREXC-4 4.5-5' 08/18/95 1230
PHYSICAL DESCRIPTION: SOLID

PARAMETER	SAMPLE RESULT µg/kg DRY WEIGHT	DETECTION LIMIT. µg/kg DRY WEIGHT
1,1,2,2-TETRACHLOROETHANE	N/D	5.0
TETRACHLOROETHENE	N/D	5.0
TOLUENE	N/D	5.0
1,2,3-TRICHLOROBENZENE	N/D	5.0
1,2,4-TRICHLOROBENZENE	N/D	5.0
1,1,1-TRICHLOROETHANE	N/D	5.0
1,1,2-TRICHLOROETHANE	N/D	5.0
TRICHLOROETHENE	6.6	5.0
TRICHLOROFLUOROMETHANE	N/D	5.0
1,2,4-TRIMETHYLBENZENE	N/D	5.0
1,3,5-TRIMETHYLBENZENE	N/D	5.0
VINYL CHLORIDE	N/D	5.0
m & p-XYLENES	N/D	10
o-XYLENE	N/D	5.0

Krystyna Czyzo
Lab. Quality Manager



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TEST REPORT

MAS #: 50822008

ROSS CREIGHTON
TRIAD ENGINEERING, INC.
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

DATE COMPLETED: 29-Aug-95

JOB #: W943324

PROJECT: CHRYSLER BUILDING 53
SAMPLE IDENTIFICATION: MEOH BLANK 08/18/95
PHYSICAL DESCRIPTION: SOLID

METHOD : GRO BY WISCONSIN LUST MODIFIED

PARAMETER	SAMPLE RESULT (mg/l)	DETECTION LIMIT (mg/l)	LAB TECH	DATE ANAL.
GASOLINE RANGE ORGANICS	*2,200	10	MK	8/23/95

PEAKS OUTSIDE OF THE REQUIRED TIME WINDOW: NO
SAMPLE OBSERVATION (VISUAL AND OLFACTORY): MEOH
WAS SAMPLE ANALYZED WITHIN HOLDING TIME? YES

*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.

A LARGE PORTION OF THE GRO CALCULATED CONCENTRATION RESULTS FROM A SINGLE, LARGE PEAK WHICH ELUTES VERY EARLY IN THE GRO 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**

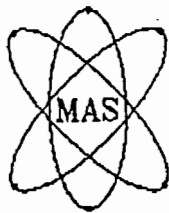


PHONE # 801-4MAS
 (313) 994-3680
 FAX #: (313) 964-2339

CLIENT: <i>Triad</i>		SAMPLE COLLECTOR: <i>Kurt Waldhutter</i>		DETECTION LIMITS (DL)				PAGE <u>1</u> OF <u>1</u>	
P.O.#:		RELEASE OR REFERENCE		DL DL DL DL DL DL				NORMAL <input checked="" type="checkbox"/>	
JOB #: <i>W943324-</i>		F/N		TEL #: <i>414-291-8840</i>		RUSH _____			
PROJECT: <i>Chrysler, Building 53</i>		NEED FAXED: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		ANALYSIS VOCs METHOD 5210 ANALYSIS DRO METHOD WDNR M-100 ANALYSIS GRO METHOD WDNR M-100 ANALYSIS METHOD ANALYSIS METHOD				G-GLASS	
RESULTS TO THE ATTENTION OF: <i>Ross M. Creighton</i>								P-PLASTIC	
ITEM #	SAMPLE IDENTIFICATION	LOCATION	DATE/TIME SAMPLED	SAMPLE		CONTAINERS		PRESERVATIVE	LAB USE ONLY MAS # & PHYS. DESC.
				*ORIGIN	MATRIX	SIZE	TYPE		
1	<i>CREXC-1 5.5-6'</i>		<i>8/18/95/1200</i>	<i>7</i>	<i>Soil</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>GRO- 52322006</i>
2	<i>CREXC-4 4.5-5'</i>		<i>8/18/95/1230</i>	<i>1</i>	<i>Soil</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>MeOH 007</i>
3	<i>MeOH BLANK 4.5-5'</i>		<i>8/18/95/1230</i>	<i>↓</i>	<i>MeOH</i>			<input checked="" type="checkbox"/>	<i>Clear (L) 005</i>

RELINQUISHED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		* SAMPLE ORIGIN		5. TCLP WASTE		9. RESEARCH	
DATE/TIME		DATE/TIME		1. DRINKING WATER		6. MDNR		10. AIR	
<i>Kurt Waldhutter</i>		<i>8/18/95</i>		<i>8/21/95 17:10</i>		3. WASTE WATER - CITY:		11. OTHER: _____	
<i>8/21/95</i>		<i>8/22/95</i>		4. STORM WATER		7. WDNR			
<i>S. Schauf</i>		<i>8/22/95</i>		LAB USE ONLY:		8. INTERNAL USE		FIELD CHARGES:	
RECEIVED FOR LAB BY: <i>[Signature]</i>		<i>11:00 AM</i>		STATUS OF THE SAMPLE RECEIVED:		FIELD HOURS		SET UP	
				TRANSPORT TEMPERATURE <i>Cold on ice</i>		ISCO CHARGE		PICK UP: _____ OF _____	
				SEALED <input checked="" type="checkbox"/> NOT SEALED <input type="checkbox"/>		RECEIVED BY:		C <input type="checkbox"/> NC <input type="checkbox"/>	
				RECEIVED BY: _____		MAIL <input type="checkbox"/> DROP OFF <input type="checkbox"/>			

COMMENTS: _____



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Fax No: (313) 964-2339

Date : 26-Sep-95
Client : ROSS CREIGHTON
: TRIAD ENGINEERING, INC.
Mas# : 50921012-014
PROJECT: : CHRYSLER
Sample ID. : SLAB-2 (BLD53CR) BLD19B-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.

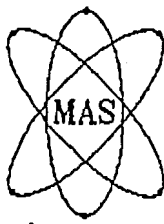
- 1. Reports shall not be reproduced, except in full, without written approval of Midwest Analytical Services, Inc.*
- 2. N/D=Not detected, N/A=Not applicable*
- 3. Results relate only to the items tested.*
- 4. mg/l, mg/kg, mg/kg(dry weight) equal ppm(parts per million)
μg/l, μg/kg, μg/kg(dry weight) 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
Lab. Quality Manager



Midwest Analytical Services, Inc.

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 ROSS CREIGHTON
 TRIAD ENGINEERING, INC.
 325 EAST CHICAGO STREET
 MILWAUKEE, WI 53202

TEST REPORT

MAS #: 50921013

DATE COMPLETED: 26-Sep-95
 JOB #: W943324

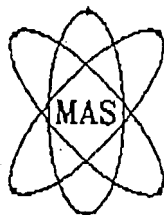
PROJECT: CHRYSLER
 SAMPLE IDENTIFICATION: BLD53CR 09/20/95 1242
 PHYSICAL DESCRIPTION: SOLID

FILE: WDMRPROTB

METHOD #	PARAMETER	SAMPLE RESULT	UNITS	ESTIMATED QUANTITATION LIMIT	REGULATORY LIMIT	ANALYST	DATE ANALYZED	DATA FLAG
SW-846 9045C	*pH/CORROSIVITY	8.91	UNITS	----	2.0 ≤pH≤ 12.5	CH	09/22/95	
ASTM D5057	APPARENT SPECIFIC GRAVITY	2.2	---	----	----	CH	09/25/95	
EPA 160.3	TOTAL SOLIDS	90	%	----	----	CH	09/22/95	
SW-846 9095	PAINT FILTER TEST	0% FREE LIQUIDS		----	0%	KRW	09/22/95	
SW-846 1010	IGNITIBILITY	> 200	F	----	> 140	CH	09/22/95	
SW-846 9076	**CHLORIDE	N/D	mg/kg	100	< 10,000	CH	09/25/95	
SW-846 7.3.4.2	REACTIVE SULFIDE	N/D	mg/kg	20	< 50	BB	09/25/95	
SW-846. 7.3.3.2	REACTIVE CYANIDE	N/D	mg/kg	10	< 50	BB	09/22/95	
EPA 420.1	TCLP PHENOL (1311)	2.0	mg/l	0.1	< 2000	BB	09/25/95	
SW-846 8080A	PCB:		mg/kg		< 50	MKH	09/22/95	
	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 23.2°C.
 **ANALYZED AS TOTAL HALOGENS.

Krystyna Czyzo
 Krystyna Czyzo
 Lab. Quality Manager



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TEST REPORT

MAS #: 50921013

(CONTINUED)

PROJECT: CHRYSLER
SAMPLE IDENTIFICATION: BLD53CR 09/20/95 1242
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	09/22/95	
6010A	BARIUM	N/D		10.0	< 100.0	KRW	09/22/95	
6010A	CADMIUM	N/D		0.5	< 1.0	KRW	09/22/95	
6010A	CHROMIUM	N/D		1.0	< 5.0	KRW	09/22/95	
6010A	COPPER	N/D		1.0	< 100.0	KRW	09/22/95	
6010A	LEAD	N/D		1.0	< 5.0	KRW	09/22/95	
7470A	MERCURY	N/D		0.10	< 0.2	DGB	09/22/95	
6010A	NICKEL	N/D		1.0	< 35.0	KRW	09/22/95	
6010A	SELENIUM	N/D		0.50	< 1.0	KRW	09/22/95	
6010A	SILVER	N/D		1.0	< 5.0	KRW	09/22/95	
6010A	ZINC	N/D		5.0	< 200.0	KRW	09/22/95	
SW-846 8260A	TCLP VOLATILES		mg/l			TT	09/22/95	
	BENZENE	N/D		0.15	< 0.5			
	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			EH	09/22/95	
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			

Krystyna Czyzo

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Lab. Quality Manager

