



**Worldwide Facilities Group
Remediation Team**

November 23, 2004

Reference No. 13968

Mr. Peter Ramanauskas
Project Manager for IND 0060306099
Waste, Pesticide and Toxins Division
U.S. EPA Region 5
77West Jackson Blvd. (DW-8J)
Chicago, IL 60604-3590

Dear Mr. Ramanauskas:

Re: GM Powertrain – Bedford Plant, IND 006036099
Voluntary RCRA Corrective Action
RCRA Facility Investigation Work Plan: Addendum No. 7
GM Powertrain Group, Bedford Indiana Plant
Bedford, Indiana

Please find enclosed a RCRA Facility Investigation (RFI) Work Plan: Addendum No. 7 (RFI Work Plan: Addendum No. 7) for the Performance-Based RCRA Corrective Action project at the GM Bedford Powertrain – Bedford Plant, 105 GM Drive, Bedford, Indiana. This RFI Work Plan: Addendum No. 7 is being submitted pursuant to the Performance-Based Corrective Action Agreement between the U.S. EPA and General Motors, signed March 20, 2001, and amended October 1, 2002.

Should you have any questions regarding this document, please do not hesitate to contact me at 248-753-5799.

Yours truly,

General Motors Corporation

A handwritten signature in cursive script, appearing to read "Cheryl R. Hiatt".

Cheryl R. Hiatt
Project Manager

MKK/rcc/23
Encl.

c.c.: See Attached Distribution List

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GM Bedford Distribution List

		copy sent (y/n)
Peter Ramanauskas	U.S. EPA - Waste, Pesticide and Toxins Division, Project Manager	yes
Brad Stimple	U.S. EPA – Emergency Response Branch, On-Scene Coordinator	yes
Ken Rhame	U.S. EPA – Emergency Response Branch On-Scene Coordinator	yes
Stacey DeLaReintrie	Tetra Tech EM Inc.	yes
John Bassett	Earth Tech	yes
John Gunter (5 copies)	IDEM Management	yes
Dan Sparks	U.S. Fish and Wildlife Service	yes
Lori Pruitt	U.S. Fish and Wildlife Service	yes
Ed Peterson	GM WFG Remediation	yes
Cheryl Hiatt	GM WFG Remediation	yes
Jim McGuigan	CRA Project Coordinator	yes
Rick Bodishbaugh	Exponent	yes
C.Y. Jeng	ENVIRON	yes

RCRA Facility Investigation Work Plan: Addendum No. 7

Hourly Parking Lot (AOI 21) Surface Soil Delineation

This Resource Conservation Recovery Act (RCRA) Facility Investigation (RFI) Work Plan: Addendum No. 7 (RFI Work Plan: Addendum No. 7) has been prepared in accordance with the Performance-Based Corrective Action Agreement (Agreement), signed with the United States Environmental Protection Agency (U.S. EPA) for the Bedford Facility on March 20, 2001, as amended on October 1, 2002. This Agreement states that General Motors (GM) will work with the U.S. EPA to identify and define the nature and extent of releases of hazardous waste and/or hazardous constituents at or from the Bedford Facility.

The purpose of this RFI Work Plan: Addendum No. 7 is to delineate the extent of elevated polychlorinated biphenyls (PCBs), lead, and mercury in surface soil identified during implementation of the RFI Work Plan Addendum No. 3 (Hourly Parking Lot). Specifically, two areas (Areas 1 and 2) southwest of the intersection of GM Drive and Breckenridge Road were identified to contain elevated concentrations of PCBs in surface soil. Also, samples collected from borings B-X102Y258 and B-X114Y258 exhibited lead and mercury, respectively, within the surficial soil (Area 3). Therefore, additional horizontal delineation of surface soil in these areas is proposed. A fourth area (Area 4) was identified to exhibit elevated PCB concentrations within the surficial soil during previous investigations. This area will be further defined vertically during implementation of this RFI Work Plan: Addendum No. 7. All additional delineation activities are necessary in order to evaluate potential interim measures activities (e.g., soil removal, additional stormwater management, etc.).

A fifth area (filled area north of Breckenridge Road) was also noted to contain PCBs greater than 5.3 mg/kg both at the surface and at 6-8 feet below ground surface (bgs). Additional samples were collected in this area during completion of test pits, as part of the RFI Work Plan Addendum No. 4. This area will be further investigated under a separate work plan in the near future.

Areas 1 and 2

The attached Figure 1 presents the soil sample locations for the work that was completed under the RFI Work Plan Addendum No. 3. Table 1 presents the final, validated soil data for these sampling locations. As presented in Table 1, two locations in the area southwest of the GM Drive/Breckenridge Road intersection exhibited elevated PCB concentrations in the surficial soil (B-X129Y247 and B-X143Y193B). Tables 2 and 3 present additional samples collected from the storm sewer collection system prior to cleaning.

Figure 2 and Figure 3 present the two locations described above in greater detail. These figures present the proposed soil borings to be completed to further delineate the extent of contaminants in the surficial soil. Twelve soil borings surrounding each previous sample location will be advanced to a depth of approximately ten feet bgs (or bedrock surface, whichever is shallower). These borings will be advanced using a hydraulic-push drill rig (e.g., GeoProbe™ or similar). Soil samples will be collected every two feet during advancement. Initially, a soil sample from the upper three intervals (0-2'; 2-4', and 4-6' bgs) at each of the proposed borings will be submitted to Severn-Trent Laboratories (STL) for analysis of PCBs by EPA method 8082 on a one-week turnaround basis.

If the preliminary results from these initial samples indicate that the area has been sufficiently defined, then additional samples will not be submitted for analysis. If, based on preliminary data from the proposed investigation, there are areas where adequate definition is not obtained after all samples have been analyzed (if needed), additional sampling will be completed by continuing to step out in a similar fashion (i.e., approximate 10 feet increments) and submitting the appropriate samples for laboratory analysis.

Area 3

Elevated concentrations of lead and mercury were detected within the surface soil at two locations south of Breckenridge Road (lead at B-X102Y258 and mercury at B-X114Y258). Figure 4 presents the location of these borings and the proposed additional delineation samples. Additional delineation of the surface soil will be completed through the advancement of soil borings located approximately 10 to the east, south, west, and north of each of the original locations. Surficial soil samples will be submitted for analysis of the Target Analyte List (minus the earth metals). Samples will be submitted to STL on a one-week turnaround basis.

Area 4

Soil samples will be collected continuously to bedrock, as near as possible to the monitoring well location MW-X045Y258 (see Figure 5 for the location of Area 4). Soil samples will be collected in accordance with the original RFI Work Plan to delineate this area vertically. Soil samples will be submitted to STL for the RFI list of parameters on a one-week turnaround basis.

All investigative, sampling, health & safety, and quality procedures will be conducted in accordance with the existing RCRA Facility Investigation Work Plan (CRA, 2001), and supporting documents.

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Based on verbal approval from the U.S. EPA provided on October 12, 2004, the work described above has been implemented. The preliminary results and proposed IM for this area will be transmitted once the data are received. Validated results will follow once completed.

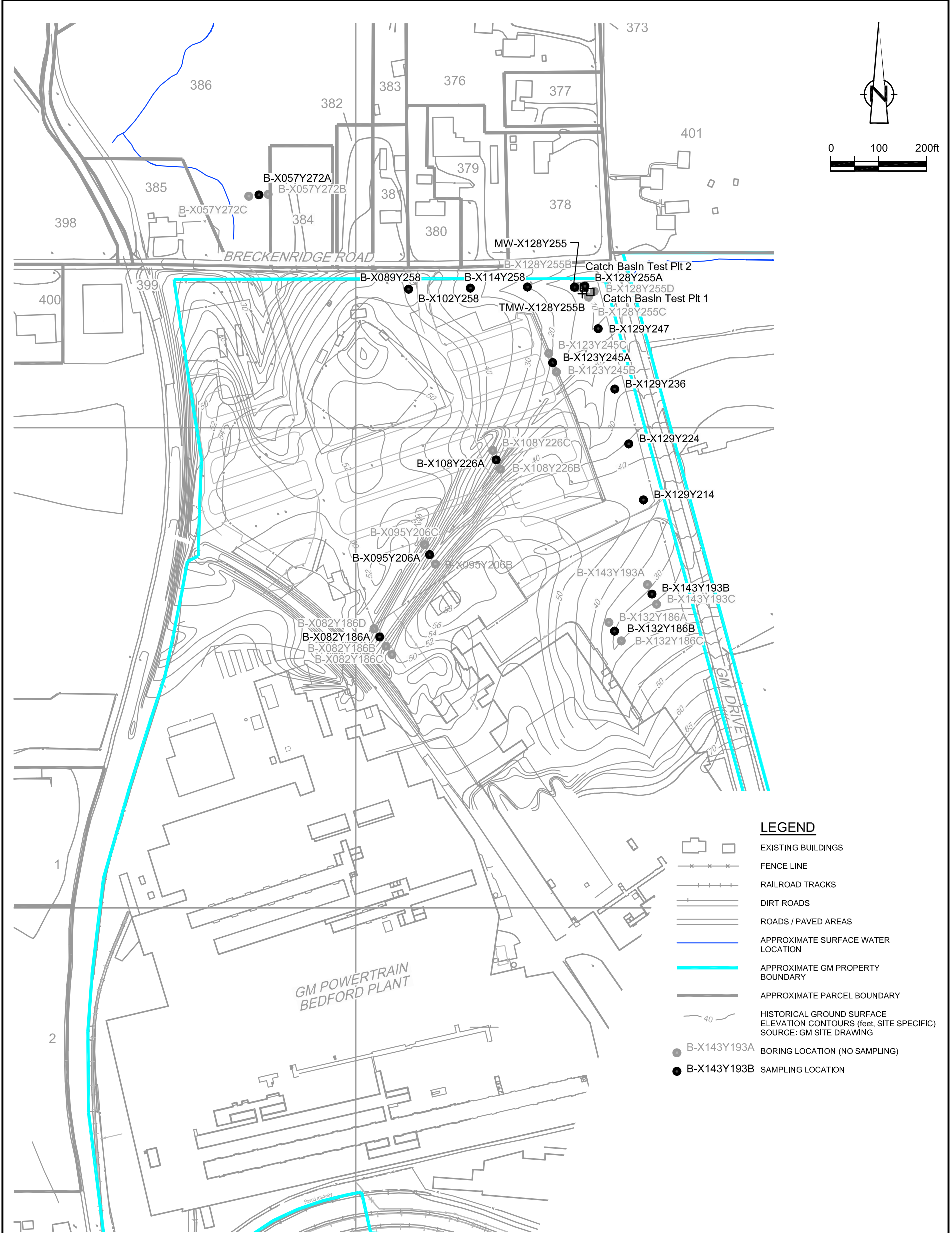


figure 1
RFI ADDENDUM No.7 BORING LOCATIONS
GM POWERTRAIN BEDFORD PLANT
Bedford, Indiana



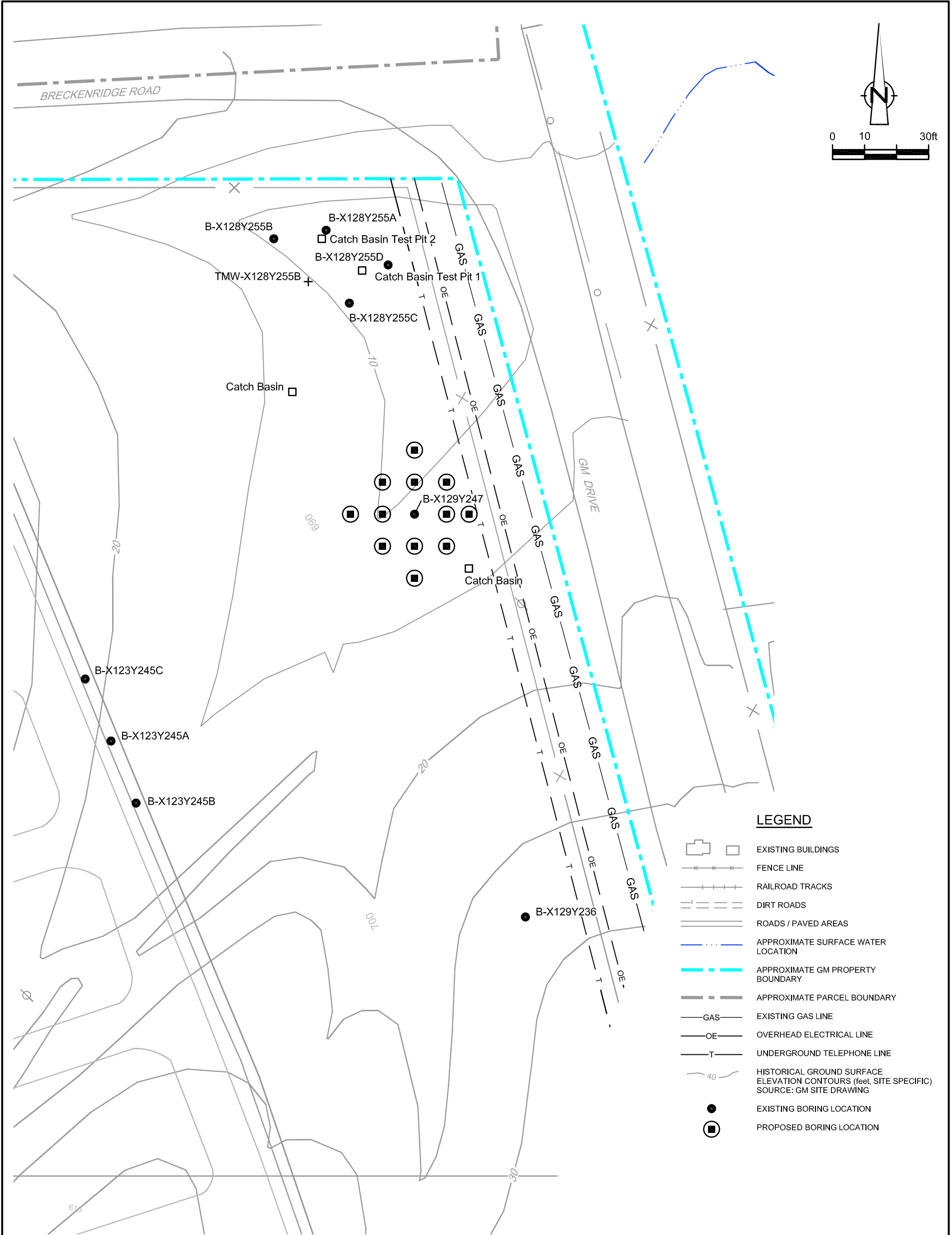


figure 2
RFI ADDENDUM No.7 PROPOSED BORING LOCATIONS - AREA 1
GM POWERTRAIN BEDFORD PLANT
Bedford, Indiana



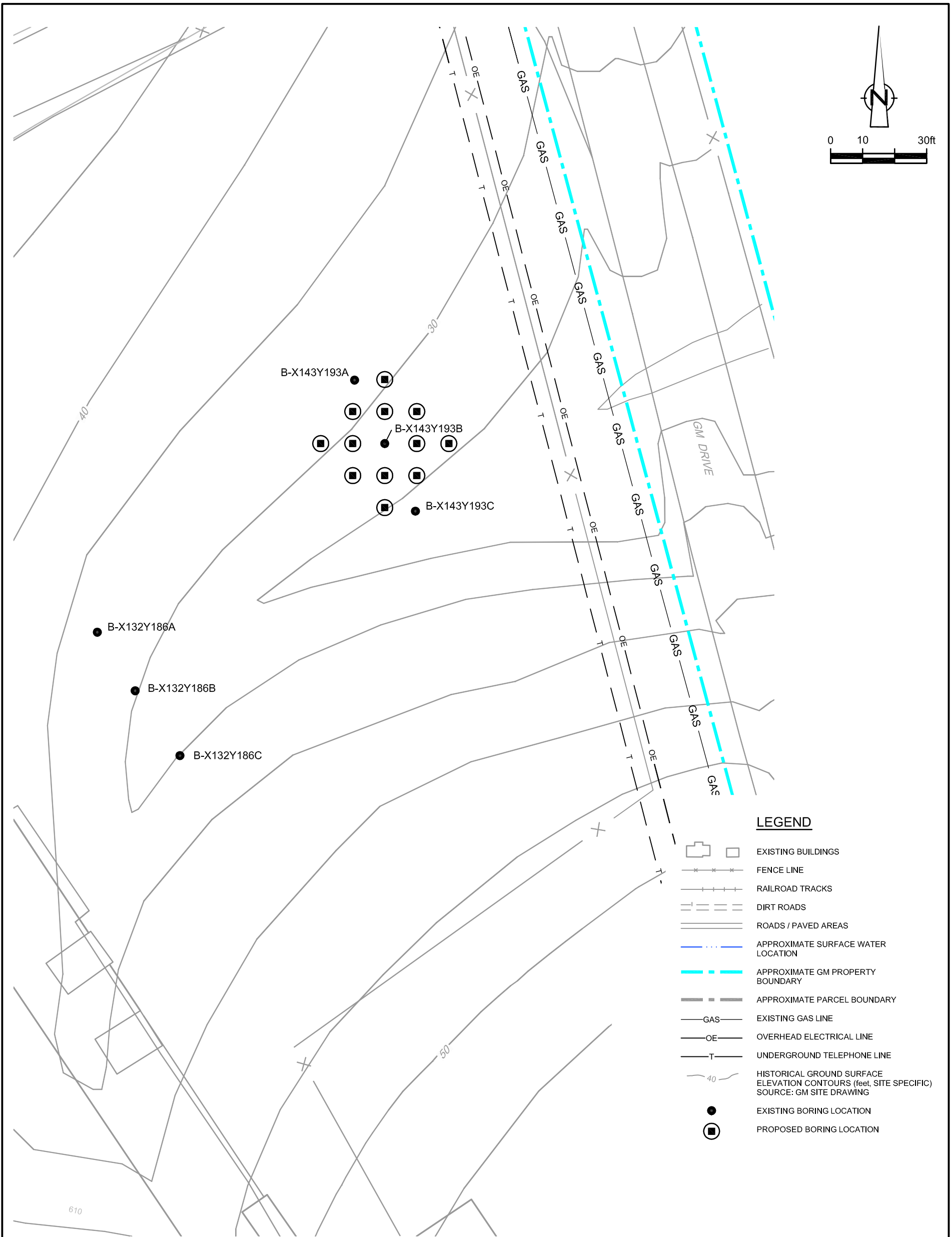


figure 3
RFI ADDENDUM No.7 PROPOSED BORING LOCATIONS - AREA 2
GM POWERTRAIN BEDFORD PLANT
Bedford, Indiana



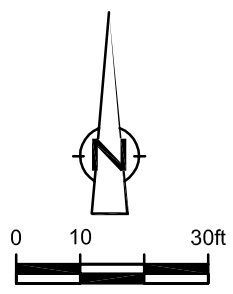
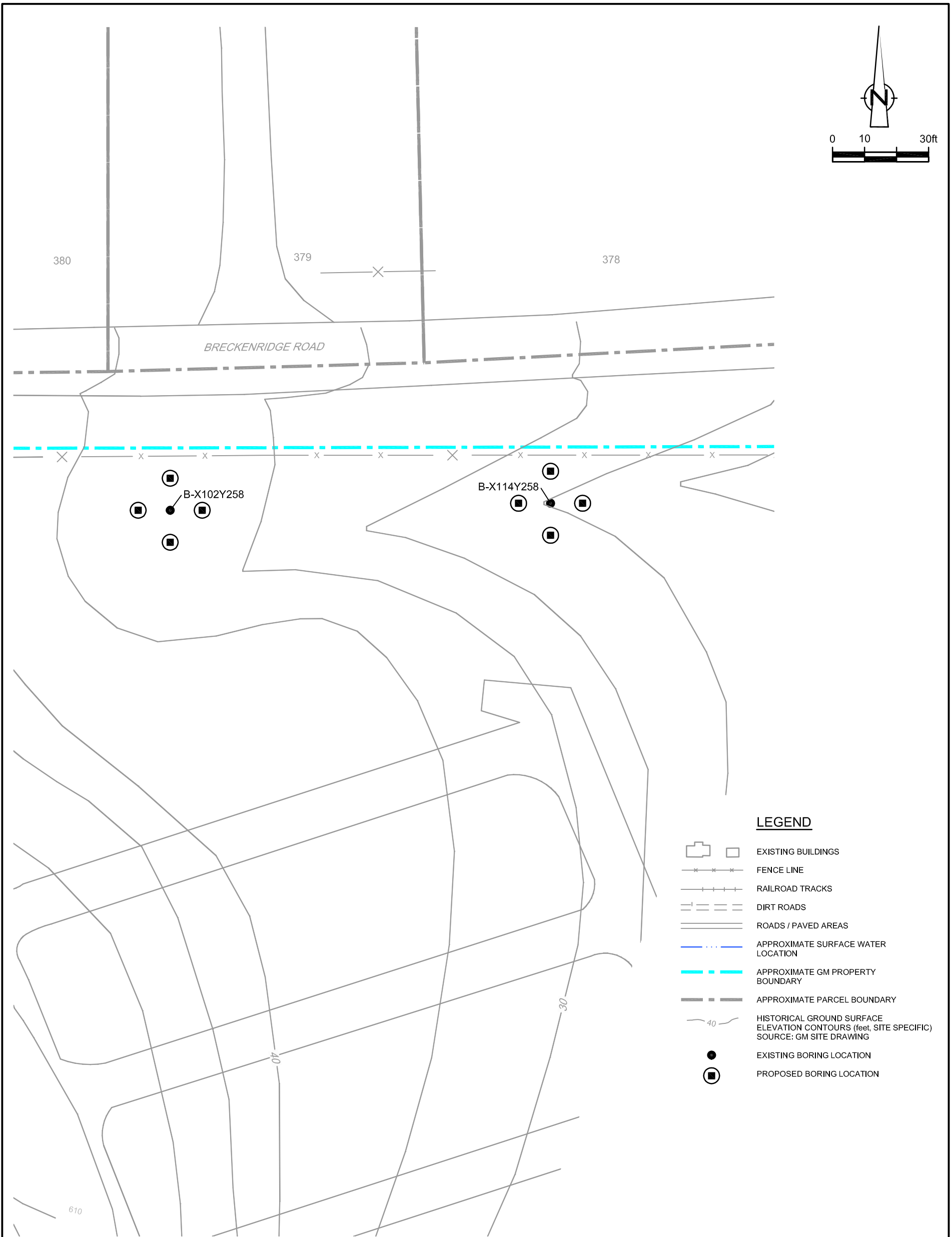


figure 4
RFI ADDENDUM No.7 PROPOSED BORING LOCATIONS - AREA 3
GM POWERTRAIN BEDFORD PLANT
Bedford, Indiana



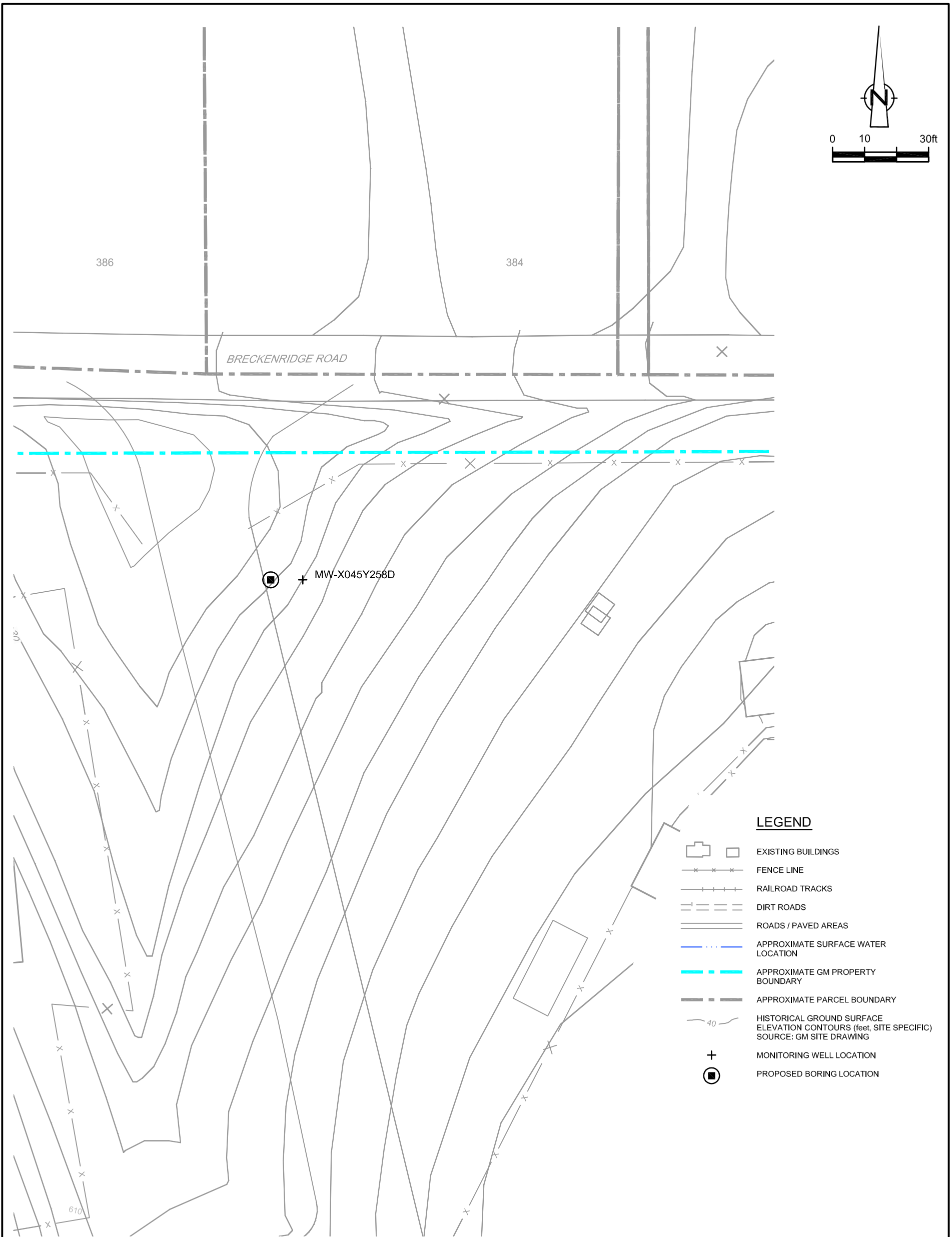


figure 5

RFI ADDENDUM No.7 PROPOSED BORING LOCATIONS - AREA 4
GM POWERTRAIN BEDFORD PLANT
Bedford, Indiana



TABLE 1

ANALYTICAL RESULTS SUMMARY
RH Work Plan Addendum No. 3
GM POWERTRAIN - BEDFORD PLANT
BEDFORD, IN

Sample Location:	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A	B-X057Y72A
Sample ID:	S-040704-JC-044	S-040704-JC-045	S-040704-JC-046	S-040704-JC-047	S-040704-JC-048	S-040704-JC-049	S-040704-JC-050	S-040704-JC-051	S-040704-JC-052	S-040704-JC-053	S-040704-JC-054	S-040704-JC-055	S-040704-JC-056	S-040704-JC-057	S-040704-JC-058	S-040704-JC-059
Sample Date:	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004	4/7/2004
Sample Depth:	(0-2)	(6-8)	(26-28.4)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)
Units																
Volatiles																
1,1,1-Trichloroethane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2-Trichloroethane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1-Dichloroethane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1-Dichloroethane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2,4-Trichlorobenzene	ug/kg	ND (5.0)	22	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	ND (10)	ND (10)	ND (11)	ND (9.0)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichlorobenzene	ug/kg	ND (5.0)	1.1 J	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichlorobenzene	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichloropropane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,3-Dichlorobenzene	ug/kg	ND (5.0)	8.3	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,4-Dichlorobenzene	ug/kg	ND (5.0)	24	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Butanone (Methyl Ethyl Ketone)	ug/kg	ND (20)	7.2 J	5.0 J	ND (19)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Hexanone	ug/kg	ND (20)	ND (20)	ND (20)	ND (19)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	ND (20)	2.5 J	2.3 J	ND (19)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Acetone	ug/kg	ND (20)	43	23	ND (19)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ug/kg	ND (5.0)	0.79 J	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Bromodichloromethane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Bromoform	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Bromomethane (Methyl Bromide)	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Carbon disulfide	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Carbon tetrachloride	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chlorobenzene	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroethane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroform (Trichloromethane)	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloromethane (Methyl Chloride)	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
cis-1,2-Dichloroethene	ug/kg	ND (2.5)	ND (2.6)	ND (2.9)	ND (2.4)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)
cis-1,3-Dichloropropene	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cyclohexane	ug/kg	ND (10)	0.65 J	ND (11)	ND (9.4)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)
Dibromochloromethane	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dichlorodifluoromethane (CFC-12)	ug/kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Ethylbenzene	ug/kg	ND (5.0)	2.8 J	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Isopropylbenzene	ug/kg	ND (5.0)	2.8 J	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methyl acetate	ug/kg	ND (10)	ND (10)	ND (10)	ND (9.4)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)
Methyl cyclohexane	ug/kg	ND (10)	2.0 J	ND (11)	ND (9.4)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)
Methyl Tert Butyl Ether	ug/kg	ND (20)	ND (20)	ND (20)	ND (19)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Methylene chloride	ug/kg	ND (5.0) U	ND (5.1) U	ND (5.7) U	ND (4.7) U	ND (5.0) U	ND (5.0) U	ND (5.0) U	ND (5.0) U	ND (5.0) U	ND (5.0) U	ND (5.0) U	ND (5.0) U	ND (5.0) U	ND (5.0) U	ND (5.0) U
Styrene	ug/kg	ND (5.0)	ND (5.1)	ND (5.7)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	ug/kg	ND (5.0)	ND (5.1)	ND (5.7)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	ug/kg	ND (5.0)	6.2	ND (5.0)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
trans-1,2-Dichloroethene	ug/kg	ND (2.5)	ND (2.6)	ND (2.9)	ND (2.4)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)
trans-1,3-Dichloropropene	ug/kg	ND (5.0)	ND (5.1)	ND (5.7)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Trichloroethene	ug/kg	ND (5.0)	ND (5.1)	ND (5.7)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Trichlorofluoromethane (CFC-11)	ug/kg	ND (5.0)	ND (5.1)	ND (5.7)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Trifluorotrichloroethane (Freon 113)	ug/kg	ND (5.0)	ND (5.1)	ND (5.7)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Vinyl chloride	ug/kg	ND (5.0)	ND (5.1)	ND (5.7)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Xylene (total)	ug/kg	ND (5.0)	13	ND (5.7)	ND (4.7)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)

TABLE 1

ANALYTICAL RESULTS SUMMARY
RH Work Plan Addendum No. 3
GM POWERTRAIN - BEDFORD PLANT
BEDFORD, IN

Sample Location:	B-X05Y272A	B-X05Y272A	B-X05Y272A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A	B-X08Y286A
Sample ID:	S-040704-JC-044	S-040704-JC-045	S-040704-JC-046	S-040504-JC-035	S-040504-JC-036	S-040504-JC-037	S-040504-JC-038	S-041304-JC-053	S-041304-JC-054	S-041304-JC-055	S-040604-JC-039	S-040604-JC-040	S-040604-JC-041	S-040604-JC-042	S-040604-JC-043	S-040604-JC-044
Sample Date:	4/7/2004	4/7/2004	4/7/2004	4/5/2004	4/5/2004	4/5/2004	4/5/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/6/2004	4/6/2004	4/6/2004	4/6/2004
Sample Depth:	(0-2)	(6-8)	(26-28)	(0-2)	(0-2)	(6-8)	(32-34)	(0-2)	(6-8)	Duplicate	(0-2)	(6-8)	Duplicate	(0-2)	(6-8)	(18-20)
	Units															
Semi-/volatiles																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2,4,5-Trichlorophenol	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2,4,6-Trichlorophenol	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2,4-Dichlorophenol	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2,4-Dimethylphenol	ug/kg	ND (37)	140 J	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2,4-Dinitrophenol	ug/kg	ND (180)	ND (200)	ND (210)	ND (180)	ND (190)	ND (200)	ND (210), UJ	ND (190)	ND (190)	ND (190)	ND (170)	ND (180)	ND (200)	ND (210)	ND (210)
2,6-Dinitrotoluene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2,6-Dinitrotoluene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2-Chloronaphthalene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2-Chlorophenol	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2-Methylnaphthalene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2-Methylphenol	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
2-Nitroaniline	ug/kg	ND (180)	ND (200)	ND (210)	ND (180)	ND (190)	ND (200)	ND (210), UJ	ND (190)	ND (190)	ND (190)	ND (170)	ND (180)	ND (200)	ND (210)	ND (210)
2-Nitrophenol	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
3,3'-Dichlorobenzidine	ug/kg	ND (180)	ND (200)	ND (210)	ND (180)	ND (190)	ND (200)	ND (210), UJ	ND (190)	ND (190)	ND (190)	ND (170)	ND (180)	ND (200)	ND (210)	ND (210)
3-Nitroaniline	ug/kg	ND (180)	ND (200)	ND (210)	ND (180)	ND (190)	ND (200)	ND (210), UJ	ND (190)	ND (190)	ND (190)	ND (170)	ND (180)	ND (200)	ND (210)	ND (210)
4,6-Dinitro-2-methylphenol	ug/kg	ND (180)	ND (200)	ND (210)	ND (180)	ND (190)	ND (200)	ND (210), UJ	ND (190)	ND (190)	ND (190)	ND (170)	ND (180)	ND (200)	ND (210)	ND (210)
4-Bromophenyl phenyl ether	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
4-Chloro-3-methylphenol	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
4-Chloroaniline	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
4-Chlorophenyl phenyl ether	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
4-Methylphenol	ug/kg	ND (37)	98 J	110 J	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
4-Nitroaniline	ug/kg	ND (180)	ND (200)	ND (210)	ND (180)	ND (190)	ND (200)	ND (210), UJ	ND (190)	ND (190)	ND (190)	ND (170)	ND (180)	ND (200)	ND (210)	ND (210)
4-Nitrophenol	ug/kg	ND (180)	ND (200)	ND (210)	ND (180)	ND (190)	ND (200)	ND (210), UJ	ND (190)	ND (190)	ND (190)	ND (170)	ND (180)	ND (200)	ND (210)	ND (210)
Acenaphthene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Acenaphthylene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Acetophenone	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Anthracene	ug/kg	86 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Atrazine	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Benzaldehyde	ug/kg	ND (370) UJ	R	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	R	R	R	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Benzofluoranthene	ug/kg	180 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Benzofluoranthene	ug/kg	120 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Benzofluoranthene	ug/kg	240 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Benzofluoranthene	ug/kg	110 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Benzofluoranthene	ug/kg	89 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Biphenyl	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
bis(2-Chloroethoxy)methane	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
bis(2-Chloroethyl)ether	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
bis(2-Ethylhexyl)phthalate	ug/kg	ND (37)	350 J	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Butyl benzylphthalate	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Caproctam	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Carbazole	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Chrysene	ug/kg	190 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Dibenz(a,h)anthracene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Dibenzofuran	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Diethyl phthalate	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Dimethyl phthalate	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Di-n-butylphthalate	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Di-n-octyl phthalate	ug/kg	ND (37)	430	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Fluoranthene	ug/kg	400	79 J	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Fluorene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Hexachlorobenzene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Hexachlorobutadiene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Hexachlorocyclopentadiene	ug/kg	ND (180)	ND (200)	ND (210)	ND (180)	ND (190)	ND (200)	ND (210), UJ	ND (190)	ND (190)	ND (190)	ND (170)	ND (180)	ND (200)	ND (210)	ND (210)
Hexachloroethane	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Indene(1,2,3-cd)pyrene	ug/kg	99 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Isothrene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Naphthalene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Nitrobenzene	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
N-Nitrosodi-n-propylamine	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
N-Nitrosodiphenylamine	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Pentaclorophenol	ug/kg	ND (37)	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Phenanthrene	ug/kg	360 J	75 J	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Phenol	ug/kg	ND (37)	1100	76 J	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)
Pyrene	ug/kg	340 J	ND (41)	ND (42)	ND (38)	ND (39)	ND (41)	ND (43), UJ	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	ND (43)

TABLE 1

ANALYTICAL RESULTS SUMMARY
RH Work Plan Addendum No. 3
GM POWERTRAIN - BEDFORD PLANT
BEDFORD, IN

<i>Sample Location:</i>	<i>B-X057Y272A</i>	<i>B-X057Y272A</i>	<i>B-X057Y272A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>	<i>B-X082Y116A</i>
<i>Sample ID:</i>	<i>S-040704-JC-014</i>	<i>S-040704-JC-015</i>	<i>S-040704-JC-016</i>	<i>S-040504-JC-035</i>	<i>S-040504-JC-036</i>	<i>S-040504-JC-037</i>	<i>S-040504-JC-038</i>	<i>S-041304-JC-053</i>	<i>S-041304-JC-054</i>	<i>S-041304-JC-055</i>	<i>S-040604-JC-039</i>	<i>S-040604-JC-040</i>	<i>S-040604-JC-041</i>	<i>S-040604-JC-042</i>		
<i>Sample Date:</i>	<i>4/7/2004</i>	<i>4/7/2004</i>	<i>4/7/2004</i>	<i>4/5/2004</i>	<i>4/5/2004</i>	<i>4/5/2004</i>	<i>4/5/2004</i>	<i>4/13/2004</i>	<i>4/13/2004</i>	<i>4/13/2004</i>	<i>4/6/2004</i>	<i>4/6/2004</i>	<i>4/6/2004</i>	<i>4/6/2004</i>		
<i>Sample Depth:</i>	<i>(0-2)</i>	<i>(6-8)</i>	<i>(26-28.4)</i>	<i>(0-2)</i>	<i>(0-2)</i>	<i>(0-2)</i>	<i>(0-2)</i>	<i>(0-2)</i>	<i>(6-8)</i>	<i>(32-34)</i>	<i>(0-2)</i>	<i>(6-8)</i>	<i>(0-2)</i>	<i>(6-8)</i>	<i>(18-20)</i>	<i>(28-29.4)</i>
	<i>Duplicate</i>										<i>Duplicate</i>					
<i>Units</i>																
<i>Metal:</i>																
Aluminum	ng/kg	3280	10500	8690	40700	11200	13700	8300 J	1430	3200	5570	2910	5310	1570	9790	
Antimony	ng/kg	0.29 J	ND (7.4) UJ	ND (7.7) UJ	ND (6.8) U	ND (7.1) U	ND (7.4)	ND (7.9)	ND (7.3) UJ	ND (7.3) UJ	ND (7.3) UJ	ND (6.3)	ND (6.8)	0.33 J	ND (15.7)	
Arsenic	ng/kg	2.3	6.1	7.1	1.7	2.0	6.2	9.9	2.4	1.9	3.0	2.4	1.3	6.6	7.7	
Barium	ng/kg	42.2	61.2	78.6	31.8	7.3 J	66.0	101 J	12.4 J	39.4	42.3	8.1 J	6.2 J	5.5 J	59.0	
Beryllium	ng/kg	ND (0.55) U	ND (0.62) U	0.65	ND (0.57) U	ND (0.59) U	ND (0.62) U	1.8 J	ND (0.61) U	ND (0.61) U	ND (0.60) U	ND (0.58)	ND (0.57)	ND (0.6)	1.6	
Cadmium	ng/kg	0.98	0.57 J	0.55 J	0.52 J	0.18 J	0.13 J	1.2	ND (0.61) U	ND (0.61) U	0.72	0.031 J	0.037	ND (0.6)	0.43 J	
Chromium Total	ng/kg	7.1 J	33.3 J	13.1 J	112	10.2	19.5	20.1 J	2.7 J	5.7 J	8.9 J	6.1	7.5	4.5	17.7	
Cobalt	ng/kg	3.1 J	12.9	11.8	29.2	1.8 J	3.2 J	15.0 J	2.1 J	2.7 J	2.5 J	2.1 J	1.9 J	1.8 J	21.2	
Copper	ng/kg	45.0 J	62.9 J	19.0 J	1360	371	12.9	16.1 J	24.7 J	6.4 J	6.9 J	42.2	146	234	15.1	
Cyanide (amenable)	ng/kg	ND (0.55)	ND (0.62)	ND (0.64)	ND (0.57)	ND (0.59)	ND (0.62)	0.22 J	ND (0.61)	ND (0.6)	ND (0.60)	ND (0.58)	ND (0.57)	ND (0.6)	ND (0.66)	
Cyanide (total)	ng/kg	ND (0.55)	ND (0.62)	ND (0.64)	ND (0.57)	ND (0.59)	ND (0.62)	0.22 J	ND (0.61)	ND (0.6)	ND (0.60)	ND (0.58)	ND (0.57)	ND (0.6)	ND (0.66)	
Iron	ng/kg	6420	18900	16500	2950	4300	20700	38900 J	3340	6370	8850	2580	2950	3040	19800	
Lead	ng/kg	24.0	22.7	29.7	57.6	11.1	10.7	13.6 J	5.2	5.0	5.3	16.0 J	6.7	13.6	16.4	
Manganese	ng/kg	146 J	204 J	86.5 J	103	69.0	95.1	628 J	135	94.2	126	29.2	45.6	40.2	422	
Mercury	ng/kg	0.012 J	1.2	0.061 J	0.63	ND (0.12) U	0.076 J	0.10 J	ND (0.11)	0.0089 J	0.030 J	0.095 J	ND (0.1)	0.019 J	0.041 J	
Nickel	ng/kg	8.5	55.1	131	389	17.9	7.8	35.7 J	7.0	9.0	13.4	11.9	12.2	9.5	42.0	
Selenium	ng/kg	ND (0.55)	ND (0.62)	ND (0.64)	ND (0.57)	ND (0.59)	ND (0.62)	ND (0.66)	ND (0.61)	ND (0.6)	ND (0.60)	ND (0.58)	ND (0.57)	ND (0.6)	ND (1.3)	
Silver	ng/kg	ND (1.1)	ND (1.2)	ND (1.3)	0.28 J	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (2.6)	
Thallium	ng/kg	ND (1.1)	ND (1.2)	ND (1.3)	ND (1.1) U	ND (1.2)	ND (1.2) U	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.2)	0.53 J	0.59 J	0.72 J	1.5 J	
Vanadium	ng/kg	8.8	33.5	21.5	9.9	6.6	31.2	27.6 J	3.9 J	4.1 J	9.2	3.9 J	4.2 J	4.6 J	23.5	
Zinc	ng/kg	47.7	58.9	73.2	193	50.5	28.6	121 J	21.7	20.0	25.4	21.0 J	26.0 J	20.9 J	99.1 J	
<i>PCBs</i>																
Aroclor-1016 (PCB-1016)	ug/kg	ND (730)	ND (4100)	ND (42)	ND (75)	ND (39)	ND (41) J	ND (43) J	ND (40)	ND (40)	ND (40)	ND (35)	ND (37) UJ	ND (40) UJ	ND (43) UJ	
Aroclor-1221 (PCB-1221)	ug/kg	ND (730)	ND (4100)	ND (42)	ND (75)	ND (39)	ND (41) J	ND (43) J	ND (40)	ND (40)	ND (40)	ND (35)	ND (37) UJ	ND (40) UJ	ND (43) UJ	
Aroclor-1232 (PCB-1232)	ug/kg	ND (730)	ND (4100)	ND (42)	ND (75)	ND (39)	ND (41) J	ND (43) J	ND (40)	ND (40)	ND (40)	ND (35)	ND (37) UJ	ND (40) UJ	ND (43) UJ	
Aroclor-1242 (PCB-1242)	ug/kg	ND (730)	13000	ND (42)	ND (75)	ND (39)	ND (41) J	ND (43) J	ND (40)	ND (40)	ND (40)	ND (35)	ND (37) UJ	ND (40) UJ	ND (43) UJ	
Aroclor-1248 (PCB-1248)	ug/kg	6000	ND (4100)	26 J	950	ND (39)	ND (41) J	ND (43) J	ND (40)	ND (40)	ND (40)	ND (35)	ND (37) UJ	ND (40) UJ	ND (43) UJ	
Aroclor-1254 (PCB-1254)	ug/kg	ND (730)	ND (4100)	ND (42)	ND (75)	ND (39)	ND (41)	ND (43)	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	
Aroclor-1260 (PCB-1260)	ug/kg	740	ND (4100)	ND (42)	240	ND (39)	ND (41)	ND (43)	ND (40)	ND (40)	ND (40)	ND (35)	ND (37)	ND (40)	ND (43)	
<i>General Chemistry</i>																
Total Solids	%	90.2	81.1	77.7	88.0	85.0	80.6	76.2	82.3	82.6	82.7	95.2	88.2	81.5	76.6	

TABLE 1

ANALYTICAL RESULTS SUMMARY
RFI Work Plan - Addendum No. 3
GM POWERTRAIN - BEDFORD PLANT
BEDFORD, IN

Sample Location:	B-X095Y206A	B-X102Y258	B-X102Y258	B-X102Y26A	B-X108Y26A	B-X108Y26A	B-X108Y26A	B-X108Y26A	B-X114Y258	B-X114Y258	B-X114Y258	B-X123Y245A	B-X123Y245A	B-X123Y245A	B-X123Y245A
Sample ID:	S-040604-C-043	S-041304-C-056	S-041304-C-057	S-040204-C-031	S-040204-C-032	S-040204-C-033	S-040204-C-034	S-041304-C-058	S-041304-C-059	S-041304-C-060	S-040104-C-027	S-040104-C-028	S-040104-C-029	S-040104-C-030	
Sample Date:	4/6/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004
Sample Depth:	(28-294)	(0-2)	(6-8)	(0-2)	(6-8)	(23-20)	(27.5-21.5)	(0-2)	(6-8)	(8-10)	(0-2)	(6-8)	(10-2)	(32-344)	
	Duplicate														
Units															
Volatiles															
1,1,1-Trichloroethane	ug/kg	ND (6.3)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,1,2,2-Tetrachloroethane	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,1,2-Trichloroethane	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,1-Dichloroethane	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,1-Dichloroethene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,2,4-Trichlorobenzene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	ND (12)	ND (14)	ND (10)	ND (10)	ND (9.9)	ND (14)	ND (12)	ND (1.1)	ND (11)	ND (10)	ND (9.5)	ND (13)	ND (13)	ND (13)
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,2-Dichlorobenzene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,2-Dichloroethane	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,2-Dichloropropane	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,3-Dichlorobenzene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
1,4-Dichlorobenzene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
2-Butanone (Methyl Ethyl Ketone)	ug/kg	ND (2.9)	ND (2.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	2.2 J	1.9 J	ND (19)	4.3 J	ND (27)	ND (29)	ND (29)
2-Hexanone	ug/kg	ND (2.9)	ND (2.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	ND (2.9)	ND (2.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acetone	ug/kg	ND (2.9)	ND (2.9)	ND (2.0)	6.6 J	11 J	7.1 J	13 J	ND (2.0)	10 J	ND (19)	2.2 J	8.2 J	13 J	13 J
Benzene	ug/kg	ND (6.1)	ND (7.4) UJ	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Bromodichloromethane	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Bromoform	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Bromomethane (Methyl Bromide)	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Carbon disulfide	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	11	2.3 J	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (5.1)
Carbon tetrachloride	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	1.6 J	ND (5.1)
Chlorobenzene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Chloroethane	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Chloroform (Trichloromethane)	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Chloromethane (Methyl Chloride)	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
cis-1,2-Dichloroethane	ug/kg	1.7 J	ND (3.9)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
cis-1,2-Dichloropropene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Cyclohexane	ug/kg	ND (12)	ND (14)	ND (10)	ND (10)	ND (9.9)	1.1 J	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Dibromochloromethane	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Dichlorodifluoromethane (CFC-12)	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Ethylbenzene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	0.54 J	ND (6.1)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Isopropylbenzene	ug/kg	ND (6.1)	ND (7.4)	ND (5.1)	ND (5.4)	ND (5.3)	1.1 J	ND (6.1)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Methyl acetate	ug/kg	ND (12)	17	ND (10)	ND (10)	ND (9.9)	ND (10)	ND (12)	2.3 J	1.4 J	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Methyl cyclohexane	ug/kg	ND (12)	ND (14)	ND (10)	ND (10)	ND (9.9)	1.8 J	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Methyl Tert Butyl Ether	ug/kg	ND (25)	ND (28)	ND (20)	ND (20) UJ	ND (20) UJ	ND (20) UJ	ND (24) UJ	ND (22)	ND (22)	ND (24)	ND (19) UJ	ND (26) UJ	ND (27) UJ	ND (20) UJ
Methylene chloride	ug/kg	ND (6.2) U	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Styrene	ug/kg	ND (6.2)	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Tetrachloroethene	ug/kg	ND (6.2)	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Toluene	ug/kg	ND (6.2)	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
trans-2,3-Dichloroethene	ug/kg	ND (3.1)	ND (3.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
trans-2,3-Dichloropropene	ug/kg	ND (6.2)	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Trichloroethene	ug/kg	5.4 J	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Trichlorofluoromethane (CFC-11)	ug/kg	ND (6.2)	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Trifluorotrchloroethane (Freon 113)	ug/kg	ND (6.2)	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Vinyl chloride	ug/kg	ND (6.2)	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)
Xylene (total)	ug/kg	ND (6.2)	ND (7.0)	ND (5.1)	ND (5.4)	ND (5.3)	ND (5.1)	ND (6.3)	ND (5.1)	ND (5.5)	ND (6.1)	ND (4.8)	ND (6.4)	ND (6.6)	ND (5.1)

TABLE 1

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ANALYTICAL RESULTS SUMMARY
RH Work Plan Addendum No. 3
GM POWERTRAIN - BEDFORD PLANT
BEDFORD, IN

Sample Location:	B-X095Y26A	B-X102Y258	B-X102Y258	B-X108Y26A	B-X108Y26A	B-X108Y26A	B-X108Y26A	B-X108Y26A	B-X114Y258	B-X114Y258	B-X114Y258	B-X114Y258	B-X123Y45A	B-X123Y45A	B-X123Y45A	B-X123Y45A
Sample ID:	S-040604-JC-043	S-041304-JC-056	S-041304-JC-057	S-040204-JC-031	S-040204-JC-032	S-040204-JC-033	S-040204-JC-034	S-041304-JC-058	S-041304-JC-059	S-041304-JC-060	S-040104-JC-027	S-040104-JC-028	S-040104-JC-029	S-040104-JC-030		
Sample Date:	4/6/2004	4/13/2004	4/13/2004	4/2/2004	4/2/2004	4/2/2004	4/2/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004	4/13/2004
Sample Depth:	(28-29.4)	(0-2)	(6-8)	(0-2)	(6-8)	(23-28)	(27.5-29.5)	(0-2)	(6-8)	(8-10)	(0-2)	(6-8)	(10-12)	(32-34.0)		
	Duplicate															
	Units															
Metals																
Aluminum	mg/kg	10400	7240	14600	7470	9020	3610	9420	7070	13800	19300	7140	15000	715	9890	
Antimony	mg/kg	ND (16.3)	ND (7.7) UJ	ND (7.5) UJ	ND (6.8) U	ND (7.3)	ND (7.4)	ND (8.3)	ND (6.7) UJ	ND (7.6) UJ	ND (8.0) UJ	ND (7.6) UJ	ND (7.9) UJ	ND (7.8) UJ	ND (7.4) UJ	
Arsenic	mg/kg	9.3	7.3	14.4	7.6	4.9	2.7	10.4	1.2	9.6	13.1	3.6	11.9	0.55 J	33.3	
Boron	mg/kg	63.1	1530	56.4	22.5 J	39.4	14.2 J	113	10.4 J	57.1	58.9	37.4	84.1	4.6 J	69.3	
Beryllium	mg/kg	1.9	ND (0.64) U	0.78	ND (0.56) U	ND (0.61) U	ND (0.62) U	2.5	ND (0.56) U	ND (0.63) U	ND (0.63) U	ND (0.64) U	0.61 J	ND (0.68)	2.1	
Cadmium	mg/kg	0.46 J	1.2	ND (0.63)	0.18 J	0.20 J	0.13 J	0.54 J	ND (0.56) U	ND (0.60)	ND (0.67)	0.54 J	0.69	ND (0.65) U	1.2	
Chromium Total	mg/kg	19.8	41.8 J	36.1 J	44.4	13.8	19.5	16.5	101 J	26.2 J	36.7 J	13.8	28.6	20.7	82.4	
Cobalt	mg/kg	24.2	9.5	5.1 J	6.3	4.1 J	3.9 J	17.7	6.1	3.8 J	5.4 J	4.6 J	6.6	26.3	16.6	
Copper	mg/kg	18.4	37.7 J	13.4 J	10.5	16.6	69.7	22.1	64.4 J	11.9 J	16.7 J	92.4	20.8	10	17.4	
Cyanide (amenable)	mg/kg	ND (0.68)	ND (0.64)	ND (0.63)	ND (0.58)	ND (0.61)	ND (0.62)	ND (0.69)	ND (0.53)	ND (0.68)	ND (0.67)	ND (0.64)	ND (0.65)	ND (0.66)	ND (0.62)	
Cyanide (total)	mg/kg	ND (0.68)	ND (0.64)	ND (0.63)	ND (0.58)	ND (0.61)	ND (0.62)	ND (0.69)	ND (0.53)	ND (0.68)	ND (0.67)	ND (0.64)	ND (0.65)	ND (0.66)	ND (0.62)	
Iron	mg/kg	24300	34200	38100	23300	14700	4400	24500	36300	25200	37300	10000	37800	549	42500	
Lead	mg/kg	17.8	1340	18.7	12.1	15.6	6.7	20.7	38.3	14.9	17.0	15.7	18.0	5.7	30.1	
Manganese	mg/kg	477	572	278	130	92.4	101	653	95.4	143	117	146 J	177 J	33.2 J	224 J	
Mercury	mg/kg	0.044 J	1.6	0.11 J	0.044 J	0.050 J	ND (0.12) U	0.17	104	1.4	0.11 J	0.16	0.053	0.53	0.10 J	
Nickel	mg/kg	54.0	23.5	11.1	13.7	7.0	45.5	77.1	464	11.6	16.0	17.5	13.8	36.3	30.2	
Selenium	mg/kg	ND (1.4)	0.45 J	0.58 J	ND (0.56)	ND (0.60)	ND (0.63)	ND (0.69)	0.37 J	0.36 J	0.66 J	ND (0.64)	ND (1.0) U	ND (0.64)	ND (0.76) U	
Silver	mg/kg	ND (2.7)	ND (1.3)	ND (1.3)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.4)	0.42 J	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	
Thallium	mg/kg	ND (2.7)	ND (1.3)	ND (1.3)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.4) U	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3) U	ND (1.5) U	ND (1.3) U	ND (2.0) U	
Vanadium	mg/kg	22.7	16.6	44.6	39.4	23.3	4.7 J	23.1	4.3 J	37.9	54.9	12.6	45.2	1.2 J	50.3	
Zinc	mg/kg	118 J	1200	31.9	24.4	33.3	46.0	57.5	117	27.7	38.3	81.6	33.0	18.6	118	
PCBs																
Aroclor-1016 (PCB-1016)	ug/kg	ND (45) J	ND (43)	ND (41)	ND (37)	ND (40) UJ	ND (41) UJ	ND (46) UJ	ND (37)	ND (42)	ND (44)	ND (42)	ND (43)	ND (43)	ND (41)	
Aroclor-1221 (PCB-1221)	ug/kg	ND (45) J	ND (43)	ND (41)	ND (37)	ND (40) UJ	ND (41) UJ	ND (46) UJ	ND (37)	ND (42)	ND (44)	ND (42)	ND (43)	ND (43)	ND (41)	
Aroclor-1232 (PCB-1232)	ug/kg	ND (45) J	ND (43)	ND (41)	ND (37)	ND (40) UJ	ND (41) UJ	ND (46) UJ	ND (37)	ND (42)	ND (44)	ND (42)	ND (43)	ND (43)	ND (41)	
Aroclor-1242 (PCB-1242)	ug/kg	ND (45) J	ND (43)	ND (41)	ND (37)	ND (40) UJ	ND (41) UJ	ND (46) UJ	ND (37)	ND (42)	ND (44)	ND (42)	ND (43)	ND (43)	ND (41)	
Aroclor-1248 (PCB-1248)	ug/kg	ND (45) J	ND (43)	ND (41)	ND (37)	ND (40) UJ	ND (41) UJ	ND (46) UJ	73	ND (42)	ND (44)	ND (42)	220	ND (43)	ND (41)	
Aroclor-1254 (PCB-1254)	ug/kg	ND (45)	ND (43)	ND (41)	ND (37)	ND (40)	ND (41)	ND (46)	ND (37)	ND (42)	ND (44)	ND (42)	ND (43)	ND (43)	ND (41)	
Aroclor-1260 (PCB-1260)	ug/kg	ND (45)	ND (43)	ND (41)	ND (37)	ND (40)	ND (41)	ND (46)	130	ND (42)	ND (44)	45	36 J	31 J	ND (41)	
General Chemistry																
Total Solids	%	73.8	77.6	79.7	88.6	81.7	80.9	72.2	89.3	79.5	74.8	78.7	76.0	76.7	81.0	

TABLE 1

ANALYTICAL RESULTS SUMMARY
RH Work Plan Addendum No. 3
GM POWERTRAIN - BEDFORD PLANT
BEDFORD, IN

Sample Location:	B-X129Y:93	B-X129Y:93	B-X129Y:224	B-X129Y:224	B-X129Y:236	B-X129Y:236	B-X129Y:236	B-X129Y:236	B-X129Y:247	B-X129Y:247	B-X132Y:86B	B-X132Y:86B	B-X132Y:86B	B-X132Y:86B	B-X143Y:93B	B-X143Y:93B
Sample ID:	S-041404-JC-068	S-041404-JC-069	S-041404-JC-070	S-041404-JC-071	S-041404-JC-065	S-041404-JC-066	S-041404-JC-067	S-041404-JC-068	S-041404-JC-069	S-041404-JC-070	S-040804-JC-050	S-040804-JC-051	S-040804-JC-052	S-040804-JC-053	S-040704-JC-047	S-040704-JC-048
Sample Date:	4/14/2004	4/14/2004	4/14/2004	4/14/2004	4/14/2004	4/14/2004	4/14/2004	4/14/2004	4/14/2004	4/14/2004	4/8/2004	4/8/2004	4/8/2004	4/8/2004	4/7/2004	4/7/2004
Sample Depth:	(0-2)	(4-6)	(0-2)	(6-8)	(0-2)	(6-8)	(6-8)	(6-8)	(0-2)	(6-8)	(0-2)	(6-8)	(38-40.3)	(0-2)	(6-8)	(6-8)
Units								Duplicate								
<i>Semi-/o-latiles</i>																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370) UJ	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2,4,5-Trichlorophenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2,4,6-Trichlorophenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2,4-Dichlorophenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2,4-Dimethylphenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2,4-Dinitrophenol	ug/kg	ND (2000)	ND (2000)	ND (1900)	ND (2000)	ND (2000)	ND (2100)	ND (2000)	ND (18000)	ND (2000)	ND (1800)	ND (3800)	ND (2200)	ND (1900)	ND (1900)	ND (1900)
2,6-Dinitrotoluene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2,6-Dinitrotoluene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2-Chloronaphthalene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2-Chlorophenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370) UJ	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2-Methylnaphthalene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370) UJ	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2-Methylphenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
2-Nitraniline	ug/kg	ND (2000)	ND (2000)	ND (1900)	ND (2000)	ND (2000)	ND (2100)	ND (2000)	ND (18000)	ND (2000)	ND (1800)	ND (3800)	ND (2200)	ND (1900)	ND (1900)	ND (1900)
2-Nitrophenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
3,3'-Dichlorobenzidine	ug/kg	ND (2000)	ND (2000)	ND (1900)	ND (2000)	ND (2000)	ND (2100)	ND (2000)	ND (18000)	ND (2000)	ND (1800)	ND (3800)	ND (2200)	ND (1900)	ND (1900)	ND (1900)
3-Nitraniline	ug/kg	ND (2000)	ND (2000)	ND (1900)	ND (2000)	ND (2000)	ND (2100)	ND (2000)	ND (18000)	ND (2000)	ND (1800)	ND (3800)	ND (2200)	ND (1900)	ND (1900)	ND (1900)
4,6-Dinitro-2-methylphenol	ug/kg	ND (2000)	ND (2000)	ND (1900)	ND (2000)	ND (2000)	ND (2100)	ND (2000)	ND (18000)	ND (2000)	ND (1800)	ND (3800)	ND (2200)	ND (1900)	ND (1900)	ND (1900)
4-Bromophenyl phenyl ether	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
4-Chloro-3-methylphenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
4-Chloroaniline	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
4-Chlorophenyl phenyl ether	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
4-Methylphenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
4-Nitraniline	ug/kg	ND (2000)	ND (2000)	ND (1900)	ND (2000)	ND (2000)	ND (2100)	ND (2000)	ND (18000)	ND (2000)	ND (1800)	ND (3800)	ND (2200)	ND (1900)	ND (1900)	ND (1900)
4-Nitrophenol	ug/kg	ND (2000)	ND (2000)	ND (1900)	ND (2000)	ND (2000)	ND (2100)	ND (2000)	ND (18000)	ND (2000)	ND (1800)	ND (3800)	ND (2200)	ND (1900)	ND (1900)	ND (1900)
Acenaphthene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Acenaphthylene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Acetophenone	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Anthracene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Atrazine	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	34 J	580 J	ND (450)	ND (390)	ND (380)	ND (380)
Benzaldehyde	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Benz(a)anthracene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Benz(b)anthracene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Benz(o)pyrene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	120 J	780	ND (450)	ND (390)	ND (380)	ND (380)
Benz(o)fluoranthene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	150 J	830 J	R	ND (390)	ND (380)	ND (380)
Benz(a,h)perylene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	97 J	490 J	ND (450)	ND (390)	ND (380)	ND (380)
Benz(a)fluoranthene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	82 J	450 J	R	ND (390)	ND (380)	ND (380)
Biphenyl	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	40 J	ND (450)	ND (390)	ND (380)	ND (380)
bis(2-Chloroethoxy)methane	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
bis(2-Chloroethyl)ether	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370) UJ	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
bis(2-Ethylhexyl)phthalate	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	75 J	ND (450)	ND (390)	ND (380)	ND (380)
Butyl benzylphthalate	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Caprolactam	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Carbazole	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	16 J	130 J	ND (450)	ND (390)	ND (380)	ND (380)
Chrysene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	120 J	810 J	R	ND (390)	ND (380)	ND (380)
Dibenz(a,h)anthracene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	27 J	110 J	ND (450)	ND (390)	ND (380)	ND (380)
Dibenzofuran	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	15 J	220 J	ND (450)	ND (390)	ND (380)	ND (380)
Diethyl phthalate	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Dimethyl phthalate	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Di-n-butylphthalate	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Di-n-octyl phthalate	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Fluoranthene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	230 J	2100	ND (450)	85 J	ND (390)	ND (380)
Fluorene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	230 J	ND (450)	ND (390)	ND (380)	ND (380)
Hexachlorobenzene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Hexachlorobutadiene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Hexachlorocyclopentadiene	ug/kg	ND (2000)	ND (2000)	ND (1900)	ND (2000)	ND (2000)	ND (2100)	ND (2000)	ND (18000)	ND (2000)	ND (1800) UJ	ND (3800) UJ	ND (2200) UJ	ND (1900)	ND (1900)	ND (1900)
Hexachloroethane	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370) UJ	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Indeno[1,2,3-cd]pyrene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370) UJ	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Isothione	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	78 J	430 J	ND (450)	ND (390)	ND (380)	ND (380)
Naphthalene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Nitrobenzene	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	36 J	ND (450)	ND (390)	ND (380)	ND (380)
N-Nitroso-4-n-propylamine	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
N-Nitroso-diphenylamine	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370) UJ	ND (770)	ND (450)	ND (390)	ND (380)	ND (380)
Pentachlorophenol	ug/kg	ND (400)	ND (410)	ND (390)	ND (420)	ND (410)	ND (440)	ND (410)	ND (3800)	ND (420)	ND (370)	ND (770)				

TABLE I

ANALYTICAL RESULTS SUMMARY
RE Work Plan Addendum No. 3
GM POWERTRAIN - BEDFORD PLANT
BEDFORD, IN

<i>Sample Location:</i>	<i>B-X129YB3</i>	<i>B-X129YB3</i>	<i>B-X129Y224</i>	<i>B-X129Y224</i>	<i>B-X129Y236</i>	<i>B-X129Y236</i>	<i>B-X129Y236</i>	<i>B-X129Y247</i>	<i>B-X129Y247</i>	<i>B-X129Y26B</i>	<i>B-X129Y26B</i>	<i>B-X129Y26B</i>	<i>B-X129Y26B</i>	<i>B-X129Y26B</i>	<i>B-X129Y26B</i>
<i>Sample ID:</i>	<i>S-041404-JC-068</i>	<i>S-041404-JC-069</i>	<i>S-041404-JC-070</i>	<i>S-041404-JC-071</i>	<i>S-041404-JC-065</i>	<i>S-041404-JC-066</i>	<i>S-041404-JC-067</i>	<i>S-041404-JC-063</i>	<i>S-041404-JC-064</i>	<i>S-040804-JC-050</i>	<i>S-040804-JC-051</i>	<i>S-040804-JC-052</i>	<i>S-040704-JC-047</i>	<i>S-040704-JC-048</i>	<i>S-040704-JC-049</i>
<i>Sample Date:</i>	<i>4/14/2008</i>	<i>4/14/2008</i>	<i>4/14/2008</i>	<i>4/14/2008</i>	<i>4/14/2008</i>	<i>4/14/2008</i>	<i>4/14/2008</i>	<i>4/14/2008</i>	<i>4/14/2008</i>	<i>4/8/2008</i>	<i>4/8/2008</i>	<i>4/8/2008</i>	<i>4/7/2008</i>	<i>4/7/2008</i>	<i>4/7/2008</i>
<i>Sample Depth:</i>	<i>(0-2)</i>	<i>(4-6)</i>	<i>(0-2)</i>	<i>(6-8)</i>	<i>(0-2)</i>	<i>(6-8)</i>	<i>(6-8)</i>	<i>(0-2)</i>	<i>(6-8)</i>	<i>(0-2)</i>	<i>(6-8)</i>	<i>(6-8)</i>	<i>(38-40.5)</i>	<i>(0-2)</i>	<i>(6-8)</i>
	<i>Units</i>						<i>Duplicate</i>								
<i>Metal:</i>															
Aluminum	ng/kg	13400	14100	10000	12500	8930	16600	14500	9190	16400	7720	7810	9170	13600	6500
Antimony	ng/kg	ND (7.4)	ND (7.5)	ND (7.2)	ND (7.7)	ND (7.4)	ND (7.9)	ND (7.5)	ND (6.9)	ND (7.7)	ND (6.7)	ND (7.0)	ND (8.2)	0.95 J	0.28 J
Arsenic	ng/kg	6.6	7.5	4.2	5.0	5.5	11.9	8.0	2.1	9.5	4.8	5.1	6.7	6.3	3.6
Bismuth	ng/kg	61.1	81.9	197	8.2 J	104	41.9	53.4	19.3 J	67.7	37.7	42.6	95.6	54.1	31.9
Beryllium	ng/kg	0.50 J	0.53 J	ND (0.60) U	0.88	ND (0.62) U	0.54 J	ND (0.62) U	ND (0.58) U	ND (0.64) U	ND (0.56) U	ND (0.59) U	1.2	ND (0.59) U	ND (0.58) U
Cadmium	ng/kg	ND (0.61) U	ND (0.62) U	ND (0.60) U	0.29 J	ND (0.62) U	ND (0.66) U	ND (0.62) U	0.28 J	ND (0.64) U	0.38 J	0.32 J	0.48 J	0.73	0.43 J
Chromium Total	ng/kg	23.6	28.6	18.7	28.0	21.2	37.3	17.8	39.9	19.6	18.4	19.1	19.1	64.5 J	23.1 J
Cobalt	ng/kg	7.7	5.5 J	2.6 J	7.9	19.0	5.3 J	10.7	13.2	6.6	17.3	52.3	10.1	128	20.3
Copper	ng/kg	13.6	101	16.4	15.6	46.9	18.2	11.6	218	18.3	32.5	31.7	20.0	198 J	101 J
Cyanide (amenable)	ng/kg	ND (0.61)	ND (0.62)	ND (0.60)	ND (0.64)	ND (0.62)	ND (0.66)	ND (0.62)	ND (0.59)	ND (0.64)	ND (0.56)	ND (0.59)	ND (0.66)	ND (0.59)	ND (0.58)
Cyanide (total)	ng/kg	ND (0.61)	ND (0.62)	ND (0.60)	ND (0.64)	ND (0.62)	ND (0.66)	ND (0.62)	ND (0.59)	ND (0.64)	ND (0.56)	ND (0.59)	ND (0.66)	ND (0.59)	ND (0.58)
Iron	ng/kg	24600	25600	19200	25800	11600	41900	21300	5160	26400	12700	15600	31200	17100	9010
Lead	ng/kg	12.9	17.9	12.2	14.7	29.1	21.0	16.7	42.7	18.3	25.6	32.4	18.2	67.2	34.9
Manganese	ng/kg	173	107	36.0	113	724	47.8	312	128	196	137	176	249	503 J	222 J
Mercury	ng/kg	0.094 J	0.094 J	0.038 J	0.046 J	1.2	0.11 J	0.023 J	6.6	0.054 J	0.11	0.13	0.070 J	0.63	0.20
Nickel	ng/kg	11.4	16.9	11.9	19.3	55.6	14.2	9.5	137	12.6	19.7	17.5	34.3	183	38.9
Selenium	ng/kg	0.35 J	0.52 J	0.43 J	0.44 J	0.34 J	0.96	0.40 J	0.37 J	0.58 J	0.30 J	ND (0.59)	0.47 J	ND (0.59)	ND (0.58)
Silver	ng/kg	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.2)	0.33 J	ND (1.3)	ND (1.1)	ND (1.2)	ND (1.4)	ND (1.2) U	ND (1.2) U
Thallium	ng/kg	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.3)	0.48 J	ND (1.2)	ND (1.4)	ND (1.2)	0.57 J
Vanadium	ng/kg	38.2	42.3	25.2	25.3	16.5	48.8	30.1	7.4	36.3	19.6	21.1	21.1	25.2	12.8
Zinc	ng/kg	24.0	28.3	36.8	66.5	38.0	38.0	33.8	68.8	45.7	53.7	53.7	62.9	97.8	61.7
<i>PCBs</i>															
Aroclor-1016 (PCB-1016)	ug/kg	ND (40)	ND (41)	ND (39)	ND (42)	ND (41)	ND (44)	ND (41)	ND (1900)	ND (42)	ND (370)	ND (190)	ND (45) UJ	ND (1900)	ND (190)
Aroclor-1221 (PCB-1221)	ug/kg	ND (40)	ND (41)	ND (39)	ND (42)	ND (41)	ND (44)	ND (41)	ND (1900)	ND (42)	ND (370)	ND (190)	ND (45) UJ	ND (1900)	ND (190)
Aroclor-1232 (PCB-1232)	ug/kg	ND (40)	ND (41)	ND (39)	ND (42)	ND (41)	ND (44)	ND (41)	ND (1900)	ND (42)	ND (370)	ND (190)	ND (45) UJ	ND (1900)	ND (190)
Aroclor-1242 (PCB-1242)	ug/kg	ND (40)	ND (41)	ND (39)	ND (42)	ND (41)	ND (44)	ND (41)	ND (1900)	ND (42)	ND (370)	ND (190)	ND (45) UJ	ND (1900)	ND (190)
Aroclor-1248 (PCB-1248)	ug/kg	ND (40)	ND (41)	ND (39)	ND (42)	ND (41)	ND (44)	ND (41)	ND (1900)	ND (42)	4700	2800	20 J	13000	1100
Aroclor-1254 (PCB-1254)	ug/kg	ND (40)	ND (41)	ND (39)	ND (42)	49	ND (44)	ND (41)	67000	ND (42)	ND (370)	ND (190)	ND (45) UJ	ND (1900)	ND (190)
Aroclor-1260 (PCB-1260)	ug/kg	ND (40)	ND (41)	ND (39)	ND (42)	ND (41)	ND (44)	ND (41)	ND (1900)	ND (42)	ND (370)	ND (190)	ND (45) UJ	ND (1900)	93 J
<i>General Chemistry</i>															
Total Solids	%	81.6	80.4	83.8	78.1	80.8	75.6	80.3	86.8	78.3	89.5	85.3	73.6	85.3	86.3

TABLE 1
ANALYTICAL RESULTS SUMMARY
RFI Work Plan Addendum No. 3
GM POWERTRAIN - BEDFORD PLANT
BEDFORD, IN

Sample Location:	B-X143M93B	Catch Basin Test Pit #1	Catch Basin Test Pit #1	Catch Basin Test Pit #2	MW-X126Y258	MW-X126Y258	MW-X126Y258
Sample ID:	S-040704-C-049	S-051004-KMV-578	S-051004-KMV-579	S-051004-KMV-580	S-041304-JC-061	S-041304-JC-062	S-041404-JC-072
Sample Date:	4/7/2004	5/10/2004	5/10/2004	5/10/2004	4/13/2004	4/13/2004	4/14/2004
Sample Depth:	(27-294)	0-2)	(4-5)	(0-2)	(0-2)	(6-8)	(36-32)
Units							
Volatiles							
1,1,1-Trichloroethane	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,1,2,2-Tetrachloroethane	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,1,2-Trichloroethane	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,1-Dichloroethane	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,1-Dichloroethene	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,2,4-Trichlorobenzene	ug/kg ND (5.7)	ND (5.8)	ND (8.3) UJ	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg ND (11)	ND (12)	ND (17) UJ	ND (10)	ND (10)	ND (10)	ND (17)
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,2-Dichlorobenzene	ug/kg ND (5.7)	ND (5.8)	ND (8.3) UJ	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,2-Dichloroethane	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,2-Dichloropropane	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,3-Dichlorobenzene	ug/kg ND (5.7)	ND (5.8)	ND (8.3) UJ	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
1,4-Dichlorobenzene	ug/kg ND (5.7)	ND (5.8)	ND (8.3) UJ	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
2-Butanone (Methyl Ethyl Ketone)	ug/kg 2.1 J	ND (23)	ND (33)	ND (20)	ND (21)	1.5 J	37 J
2-Hexanone	ug/kg ND (2)	ND (23)	ND (33)	ND (20)	ND (21)	ND (20)	ND (34)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg ND (2)	ND (23)	ND (33)	ND (20)	ND (21)	ND (20)	ND (34)
Acetone	ug/kg 11 J	ND (23)	ND (33)	ND (20)	ND (21)	7.1 J	28 J
Benzene	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Bromodichloromethane	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Bromoform	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Bromomethane (Methyl Bromide)	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1) UJ	ND (5.2)	ND (5.1)	ND (8.4)
Carbon disulfide	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Carbon tetrachloride	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Chlorobenzene	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Chloroethane	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Chloroform (Trichloromethane)	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Chloromethane (Methyl Chloride)	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
cis-1,2-Dichloroethene	ug/kg 1.3 J	NE (2.9)	ND (4.2)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
cis-1,2-Dichloropropane	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (2.5)	ND (2.6)	ND (2.6)	ND (4.2)
Cyclohexane	ug/kg ND (11)	NE (12)	ND (17)	ND (10)	ND (10)	ND (10)	ND (17)
Dibromochloromethane	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Dichlorodifluoromethane (CFC-12)	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Ethylbenzene	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Isopropylbenzene	ug/kg ND (5.7)	NE (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Methyl acetate	ug/kg ND (11)	12	ND (17)	5.1 J	2.7 J	ND (10)	2.3 J
Methyl cyclohexane	ug/kg ND (11)	NE (12)	ND (17)	ND (10)	ND (10)	ND (10)	ND (17)
Methyl Tert Butyl Ether	ug/kg ND (23)	NE (23)	ND (33)	ND (20)	ND (21)	ND (20)	ND (34)
Methylene chloride	ug/kg ND (5.7) U	ND (5.8) U	ND (8.3) U	ND (5.1) U	ND (5.2)	ND (5.1)	ND (8.4)
Styrene	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Tetrahydroethene	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Toluene	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
trans-1,2-Dichloroethene	ug/kg ND (2.8)	ND (2.9)	ND (4.2)	ND (2.5)	ND (2.6)	ND (2.6)	ND (4.2)
trans-1,3-Dichloropropene	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Trichloroethene	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Trichlorofluoromethane (CFC-11)	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Trifluorotrchloroethane (Freon 113)	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Vinyl chloride	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)
Xylenes (total)	ug/kg ND (5.7)	ND (5.8)	ND (8.3)	ND (5.1)	ND (5.2)	ND (5.1)	ND (8.4)

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CRA 13968Ramanauskas23-T1.xls

TABLE 1
ANALYTICAL RESULTS SUMMARY
 RH Work Plan Addendum No. 3
 GM POWERTRAIN - BEDFORD PLANT
 BEDFORD, IN

Sample Location:	B-X143Y/93B	Catch Basin Test Pit #1	Catch Basin Test Pit #1	Catch Basin Test Pit #2	MW-X126Y258	MW-X126Y258	MW-X126Y258
Sample ID:	S-040704-JC-049	S-051004-KMV-578	S-051004-KMV-579	S-051004-KMV-580	S-041301-JC-061	S-041301-JC-062	S-041401-JC-072
Sample Date:	4/12/2004	5/11/2004	5/10/2004	5/10/2004	4/13/2004	4/13/2004	4/14/2004
Sample Depth:	(27-29.0)	(0-2)	(4-5)	(0-2)	(0-2)	(6-8)	(30-32)
	Units						
Metals							
Aluminum	ng/kg	6640	13800	40900	10200	5790	1900
Antimony	ng/kg	ND (7.5) UJ	NC (7.0)	ND (8.7)	ND (7.1)	ND (65) UJ	ND (72) UJ
Arsenic	ng/kg	3.9	1.8	ND (1.5) U	3.6	1.4	0.65 J
Barium	ng/kg	49.6	60.1	5.7 J	34.7	6.5 J	3.2 J
Beryllium	ng/kg	1.2	ND (0.58) U	ND (0.73)	ND (0.59) U	ND (0.54) U	ND (0.50) U
Cadmium	ng/kg	0.27 J	ND (0.58) U	ND (0.73)	ND (0.59) U	ND (0.54) U	ND (0.50) U
Chromium Total	ng/kg	11.7 J	35.3	4.0	29.1	31.3 J	1.5 J
Cobalt	ng/kg	6.0 J	13.6	0.65 J	8.0	6.4	ND (60) U
Copper	ng/kg	11.8 J	132	528	99.1	75.0 J	6.4 J
Cyanide (amenable)	ng/kg	ND (0.60)	ND (0.58)	ND (0.73)	ND (0.59)	ND (0.54)	ND (0.60)
Cyanide (total)	ng/kg	ND (0.60)	ND (0.58)	ND (0.73)	ND (0.59)	ND (0.54)	ND (0.60)
Iron	ng/kg	12700	12700	974	9070	3020	1170
Lead	ng/kg	11.2	40.0	62.6	261	233	117
Manganese	ng/kg	136 J	300	21.4	283	477	101
Mercury	ng/kg	0.027 J	2.4	0.28	5.0	8.1	ND (112)
Nickel	ng/kg	29.6	95.2	6.1	103	11*	1.5 J
Selenium	ng/kg	ND (0.60)	ND (0.58)	ND (0.73)	ND (0.59)	ND (0.54)	ND (0.60)
Silver	ng/kg	ND (1.3)	ND (1.2)	ND (1.5)	ND (1.2)	0.5 J	ND (1.2)
Thallium	ng/kg	0.62 J	ND (1.2)	0.89 J	ND (1.2)	ND (1.1)	ND (1.2)
Vanadium	ng/kg	15.8	22.3	5.1 J	13.9	4.7 J	2.6 J
Zinc	ng/kg	65.3	67.5	30.8	49.9	29.7	14.3
PCBs							
Aroclor-1016 (PCB-1016)	ug/kg	ND (41)	NC (39)	ND (48)	ND (39)	ND (72)	ND (40)
Aroclor-1221 (PCB-1221)	ug/kg	ND (41)	NC (39)	ND (48)	ND (39)	ND (72)	ND (40)
Aroclor-1232 (PCB-1232)	ug/kg	ND (41)	NC (39)	ND (48)	ND (39)	ND (72)	ND (40)
Aroclor-1242 (PCB-1242)	ug/kg	ND (41)	NC (39)	ND (48)	ND (39)	ND (72)	ND (40)
Aroclor-1248 (PCB-1248)	ug/kg	12 J	ND (39)	57	ND (39)	ND (72)	ND (40)
Aroclor-1254 (PCB-1254)	ug/kg	ND (41)	280	ND (48)	350	590	ND (40)
Aroclor-1260 (PCB-1260)	ug/kg	ND (41)	ND (39)	ND (48)	ND (39)	ND (72)	ND (40)
General Chemistry							
Total Solids	%	79.9	81.6	68.6	84.8	92.1	68.3