

**REMEDIAL INVESTIGATION REPORT
MOA CASE No. 95-2-22-1407-48
DELPHI INTERIOR & LIGHTING SYSTEMS DIVISION
GENERAL MOTORS CORPORATION
TRENTON, NEW JERSEY**

by

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Rochester, New York**

for

**General Motors Corporation
Detroit, Michigan**

**File No. 70613-000
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Subject: Remedial Investigation Report
Delphi Interior & Lighting Systems Division
Trenton, New Jersey

Ladies and Gentlemen:

Haley & Aldrich of New York is pleased to present this Remedial Investigation Report, NJDEP Case Number 95-2-22-1407-48, for the General Motors Corporation (GM) Delphi Interior & Lighting Systems Division facility located in Trenton, New Jersey. This report has been prepared at your request pursuant to GM's Memorandum of Agreement with the New Jersey Department of Environmental Protection.

Thank you for asking us to assist you with this project. Please contact us if you have any questions.

Sincerely yours,
HALEY & ALDRICH of NEW YORK

Thomas D. Wells
Sr. Environmental Geologist

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Vice President

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I. INTRODUCTION

Haley & Aldrich of New York (Haley & Aldrich) performed a Remedial Investigation of the General Motors Corporation (GM) Delphi Interior & Lighting Systems Division (Delphi) facility located at 1445 Parkway Avenue in Ewing Township, Mercer County, New Jersey north of the city of Trenton, New Jersey. The site location is shown on Figure 1. The Remedial Investigation was performed at the request of GM pursuant to GM's Memorandum of Agreement with the New Jersey Department of Environmental Protection (NJDEP), Case Number 95-2-22-1407-48.

1.1 Background Information

In December 1992 GM announced plans to close the Trenton facility, then part of the Inland Fisher Guide division of GM, and initiated a comprehensive remedial investigation of the entire site with oversight by NJDEP pursuant to the New Jersey Environmental Cleanup Responsibility Act (ECRA, Case No. 92713). In 1993 GM decided to pursue sale of the facility business, and the ongoing investigation of the site was conducted pursuant to ISRA (Case No. 92713). In 1994, GM decided to continue its manufacturing operations at the site and therefore withdrew from the ISRA process before the remedial investigation was completed.

The Memorandum of Agreement (MOA) between the NJDEP and GM was executed in February 1996 to address four areas of concern identified under ECRA / ISRA Case No. 92713. The MOA activities were assigned NJDEP Case No. 95-2-22-1407-48. The four areas include the following:

- ☐ MOA Area A - an undeveloped area located at the eastern side of the site where drums of barium-chromate sludge were buried in the 1950's.
- ☐ MOA Area B - the area of an out-of-service in-ground oil-water-separator and an adjacent out-of-service underground waste-oil storage vault located at the facility wastewater pre-treatment plant.
- ☐ MOA Area C - an outdoor hazardous-waste drum-storage pad located to the north of MOA Area B.
- ☐ MOA Area D - the former location of two underground gasoline-storage tanks in the area between MOA Area C and the manufacturing building.

The locations of MOA Areas A, B, C, and D are shown on Figure 2, Site Plan and MOA Area Location Map. Figure 2 also shows the locations of groundwater monitoring wells which are present on the site.

1.2 Purpose and Scope of the Remedial Investigation

The purpose of the Remedial Investigation (RI) was to investigate MOA Areas A, B, C, and D in accordance with NJDEP's current Technical Requirements for Site Remediation (Technical Requirements, N.J.A.C. 7:26E) and an NJDEP-approved RI work plan for these areas. The RI work plan was contained in a Preliminary Assessment/Site Investigation Report, Proposed Remedial Investigation Work Plan (URS Consultants, Inc., May 1996)¹ which was submitted to the NJDEP by GM in May 1996 pursuant to the Memorandum of Agreement. The NJDEP granted conditional approval of the Proposed Remedial Investigation Work Plan (Section 5 of the May 1996 report) in a letter to GM dated 22 July 1996. GM submitted a Proposed Work Plan Addendum in October 1996 to address the NJDEP's conditions for approval.

The RI was performed in accordance with and included the scope of activities specified in Section 5 of the May 1996 report and in the October 1996 Proposed Work Plan Addendum. Haley & Aldrich performed the proposed MOA remedial investigation activities in late 1996 and early 1997. The investigation included the following activities:

- ☐ MOA Area A - excavation and removal of 98 buried drums and contaminated soil from the suspected barium-chromate drum disposal area, post-excavation sampling, and installation and sampling of a groundwater monitoring well adjacent to the backfilled excavation.
- ☐ MOA Area B - excavation and removal of the concrete tanks which made up the former oil-water separator and adjacent former waste-oil storage tank, removal of contaminated soil from the excavation bottom and sidewalls, and post-excavation sampling.
- ☐ MOA Area C - soil sampling beneath and around the hazardous waste drum storage pad.
- ☐ MOA Area D - statistical evaluation of historical groundwater analysis results for the former gasoline underground storage tanks area.

This report presents the results of the remedial investigation in these four areas.

1.3 Report Contents

A brief description of historical information and a summary of the results of previous investigations in MOA Areas A, B, C, and D is presented in Part II of this report. Part III describes the physical setting of the site. Part IV presents a technical overview of the remedial investigation activities. Part V presents the findings of the Remedial Investigation. Part VI presents recommendations for follow-up work at the site. A list of references follows the report text, and tables and figures summarizing investigation data are presented at the end of the report. Field logs and laboratory analysis reports are presented in Appendices A and B, respectively.

¹ A list of references is presented at the end of this report.

II. HISTORICAL INFORMATION

2.1 General

GM built the Trenton facility in 1937 and began production of automotive window regulators in 1938. The plant was retooled during the second world war to produce military aircraft. Since World War II the facility has been used by GM to produce automotive window, door, seat, and trim components.

Investigations of subsurface environmental conditions at the site began in 1984 with an investigation related to former wastewater treatment sludge drying beds present east of the facility powerhouse. Investigations related to contamination from the former underground gasoline storage tanks in MOA Area D were begun in 1987, and investigative activities performed in connection with RCRA closure of the MOA Area C drum storage pad and the MOA Area B underground waste-oil tank were initiated in 1991. Previous investigations at the site were summarized in the Preliminary Assessment / Site Investigation Report, Proposed Remedial Investigation Work Plan (URS Consultants, Inc., May 1996).

In December 1992 GM announced plans to close the Trenton facility. Pursuant to the New Jersey Environmental Cleanup Responsibility Act (ECRA), a Site Evaluation Submission (SES) was submitted by GM to the NJDEP in March 1993 (ECRA Case No. 92713) (McLaren/Hart Environmental Engineering Corporation, 9 March). A remedial investigation sampling plan presented in the SES included proposed investigation of each of the four MOA areas.

The SES sampling plan was subsequently revised based on draft comments received from the NJDEP. It was resubmitted to the NJDEP by GM, pursuant to the State of New Jersey's Industrial Site Recovery Act (ISRA), as the ISRA Remedial Investigation Plan for ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 3 September 1993). The NJDEP granted conditional approval of the 3 September 1993 ISRA RI Plan in a letter to GM dated 17 December 1993. Remedial investigation field sampling and laboratory analysis activities proposed by GM under ISRA Case No. 92713 were performed for GM by URS Consultants, Inc. (URS) in early 1994.

GM withdrew from the ISRA process in August 1994 before the RI activities associated with ISRA Case No. 92713 were completed, and GM suspended related sitewide RI activities at the time. Since 1994, investigations of environmental conditions at the site have focussed on MOA Areas A, B, C, and D pursuant to the 1996 Memorandum of Agreement.

GM has recently renewed its plan to close the Delphi facility, and notified the NJDEP of its plan in a General Information Notice (GIN) dated February 7, 1997. The NJDEP has assigned Case No. 97070 to the ISRA-related activities to be performed at the site. A Preliminary Assessment Report (Haley & Aldrich of New York, 19 May 1997) was submitted to the NJDEP in May 1997, and a comprehensive, sitewide Remedial Investigation Work Plan for Case No. 97070 is currently in preparation. The work plan will evaluate and present as attachments the data from the RI activities performed by URS in 1994 and the data from the MOA RI which is described in this report.

Historical information concerning MOA Areas A, B, C, and D is presented below.

2.2 MOA Area A - Barium Chromate Drum Disposal Area

The eastern side of the GM property between Gold Run Creek and the eastern property boundary has been undeveloped since before GM's acquisition of the property in 1937. In 1993, during the period of ISRA-related activities connected with the previously-announced closure of the facility, a former employee reported to facility personnel that he thought that approximately forty 55-gallon drums containing barium chromate waste had been buried in this area. The drum burial had reportedly been performed at a single location on only one occasion in the early 1950s.

A geophysical survey of the suspected drum-burial area was performed by URS Consultants, Inc. in February 1994 to evaluate if any materials of anomalous magnetic signature were present in the subsurface. The data from the survey were reported by URS in the May 1996 Preliminary Assessment / Site Investigation Report, Proposed Remedial Investigation Work Plan. URS reported the presence of a magnetic anomaly approximately 30 feet square which corresponded with the suspected drum-burial area, and concluded that the anomaly appeared to indicate the presence of buried metallic objects. Test trench sampling of the area was proposed in the May 1996 work plan.

Haley & Aldrich conducted drum-removal activities in this area in November 1996 in accordance with the May 1996 work plan and subsequent NJDEP approval letter. After drums were encountered in this area during the investigation, it was theorized by GM personnel that the drums contained material which had been produced by the plant in an attempt to make use of unspent chromic acid left over after decommissioning of the #1 Plater chromium-plating operation. The facility attempted to use the chromic acid by manufacturing for sale a barium-chromate-based yellow paint pigment. However, the material produced was not suitable for sale and was therefore buried in MOA Area A.

2.3 MOA Area B - Old Oil/Water Separator and adjacent Former Waste-oil UST

The facility wastewater treatment plant is located in the southeast part of the site. The original wastewater treatment equipment, which consisted of the old oil/water separator and adjacent former waste-oil UST included in MOA Area B, was constructed in 1937 to process wastewaters generated in the facility plating and painting operations. Additional wastewater treatment equipment was added downstream of the original equipment beginning in the 1950's, and from the 1950's until 1990 the old oil/water separator was used for primary sludge settling and oil/water separation. A new oil-water separator was installed adjacent to the southwest side of the old oil/water separator in September 1990, and a new waste oil AST was installed in this area in 1991. The old oil/water separator and former waste-oil UST were taken out of service when the replacement equipment was installed.

The old oil/water separator consisted of two 160,000-gallon sludge settling tanks and an oil skimming unit. Skimmed oil was discharged to the adjacent underground waste-oil storage tank, a 30,000-gallon covered vault located at the southeast corner of the old oil/water separator. The waste-oil tank shared a common wall with the oil/water separator. Both structures were constructed of reinforced concrete extending to a depth of approximately ten feet below grade.

Materials which were discharged to the process sewer system at the site and handled in the old oil/water separator included the following: plating fluids (including copper-cyanide, acid-

copper, and nitric acid baths used to plate and strip nickel-chromium), waste oils (consisting of spent lubricating or metal working fluids and hydraulic oils), contact cooling water (used in the molding of plastics), and process wastewater from anodizing, phoscoating, die casting, die washing, parts finishing, parts stripping, heat treatment, paint spray booth, paint cleaning booth, and power house operations. The waste-oil UST was also used for storage of waste oil transported in a portable tank from points of generation in the manufacturing areas of the plant.

Before the 1990 excavation for the construction of the new oil/water separator was performed, GM installed a series of soil borings to assess the subsurface conditions. These borings, designated BH-1 through BH-9, were installed in 1990 and sampled at various depths for analysis of volatile organic compounds, base neutral compounds, selected metals, PCBs, and cyanides. The locations of the 1990 test borings, located along the southwest side of the old oil/water separator, are shown on Figure 4, and compounds detected by the chemical analyses of the samples from these test borings are summarized on Figure 4.

After the new oil/water separator was installed and brought on line in 1990, the old oil/water separator contained approximately 1000 cubic yards of sludge. Sludge was removed from the old oil/water separator and processed in the on-site wastewater treatment facility.

As part of its effort to change the regulated status of the GM Trenton plant from a TSDF to that of a hazardous-waste generator, GM initiated a RCRA Closure of the former waste-oil UST and other RCRA-regulated units at the site in 1990. Soil Sampling and Analytical Plans (SSAP, December 4 and 21, 1990) and a Closure Plan (March 13, 1991) were submitted to NJDEP. In connection with the RCRA-closure activities, all waste oil was removed from the former waste-oil UST for recycling at an off-site oil-reclamation facility; the tank was then decontaminated using a biodegradable alkaline cleaner and triple rinsed, and each wall of the tank was sand-blasted.

Planned demolition and soil sampling associated with the RCRA closure of the former waste-oil UST was deferred until demolition of the adjacent old oil/water separator. Post-excavation soil sampling for the two structures proposed in the September 1993 ISRA Remedial Investigation Plan was approved by the NJDEP in connection with ISRA Case No. 92713, and a specific post-excavation soil-sampling plan was included in the May 1996 Preliminary Assessment / Site Investigation Report, Proposed Remedial Investigation Work Plan. Demolition and removal of the two structures and contaminated soils was performed for GM during the period of November 1996 to January 1997. Associated remedial investigation sampling in accordance with the NJDEP-approved May 1996 work plan was performed as described in this report.

2.4 MOA Area C - RCRA Drum Storage Pad

The former hazardous-waste drum storage area is located approximately 120 feet north of the location of the old oil/water separator and directly south of the containment basin for an above-ground 500,000-gallon No.6 fuel-oil storage tank. The concrete drum-storage pad was constructed in the 1960's. Concrete secondary-containment walls were added in 1985. A catch basin located at the southeast corner of the containment area discharges pad runoff directly to the wastewater treatment system.

Both hazardous and nonhazardous wastes including oils, solvents, adhesives, paints, and metal-bearing sludges have historically been staged at this location. According to plant personnel,

hazardous waste drum storage for the facility is now performed at a designated 90-day storage area inside the manufacturing building, and since June 1997 hazardous waste storage is no longer performed on the MOA Area C pad.

RCRA-closure activities including decontamination of the concrete containment system and soil sampling in accordance with an NJDEP-approved Soil Sampling and Analytical Plan (SSAP, December 4, 1990) and Closure Plan (March 13, 1991) were completed in 1991. Shallow soil sampling was performed at six locations along the north and east edges of the pad and at six locations beneath the pad.

Results of the sampling indicated the presence of low levels of polynuclear aromatic hydrocarbons (PAHs) and selected metals in shallow soil around and beneath the pad. Copper and /or nickel were detected at concentrations above current NJDEP cleanup criteria in two of the samples collected beneath the southcentral part of the pad. A SSAP findings report was prepared by GM's Inland Fisher Guide Division and submitted to the NJDEP on April 27, 1992. The NJDEP stated in a September 8, 1992 letter that, based on results of the soil sampling investigation, remediation of the area would be necessary.

Follow-up soil sampling at the drum pad was proposed by GM (letter to NJDEP dated 28 February 1994) and approved by the NJDEP (letter to GM dated 12 May 1994) in connection with ISRA Case No. 92713. The approved soil-sampling plan was included in the May 1996 Preliminary Assessment / Site Investigation Report, Proposed Remedial Investigation Work Plan. Sampling in accordance with the May 1996 work plan was performed as described in this report.

2.5 MOA Area D - Former Gasoline UST Area

A 4,000-gallon underground gasoline storage tank was installed in this area in 1976 for fueling of fleet vehicles. The UST was of steel construction. Soil contamination by gasoline constituents was indicated by the results of analysis of post-excavation soil samples collected during the July 1987 removal of this tank, and investigations of soil and groundwater contamination in the former gasoline UST area were begun.

An adjacent 2,000-gallon unleaded gasoline UST installed in this area in 1979 was removed in 1989. Post-excavation soil sampling did not indicate the presence of residual contamination at this former tank location, and no evidence of past releases from the tank was reported.

Copies of the reports of the four phases of previous investigation performed in this area were attached to the March 1993 ECRA SES and the September 1993 ISRA RI work plan. Additional investigation of groundwater in the area was proposed for the 1993 ISRA RI, and the NJDEP's comments on the proposed work plan stipulated additional soil sampling in the area. Additional investigation of soil and groundwater in the area was performed by URS Consultants, Inc. during 1994. The 1994 investigations included 11 soil borings and two rounds of groundwater sampling at 6 monitoring wells in the former UST area. The results of the 1994 investigations were presented in the May 1996 Preliminary Assessment / Site Investigation Report, Proposed Remedial Investigation Work Plan. (The May 1996 report/work plan also summarized results of the investigations performed prior to 1994.)

The 1994 sampling indicated that low levels of gasoline constituents were present in deep soil and that benzene and xylene were present in groundwater at levels above NJDEP criteria. The May 1996 Proposed Remedial Investigation Work Plan called for a statistical evaluation of all previously-collected groundwater quality data for the former gasoline UST area. The proposed evaluation of available data, which includes data from sampling events through 1994, was approved by the NJDEP and performed as described in this report.

III. PHYSICAL SETTING

3.1 General Site Description

The total land area of the Delphi facility is approximately 83.84 acres. A plan of the site is shown on Figure 2. The facility is bounded to the west by the New York Division of the Delaware & Bound Brook Railroad; to the south by the Trenton Branch of the Delaware & Bound Brook Railroad; to the north by Parkway Avenue and the United States Naval Reservation (NAPC); and to the east by Sylvia Avenue. Land use in the area surrounding the site is residential, commercial, and industrial. An undeveloped wooded property is located along the east side of Sylvia Avenue east of the site.

The manufacturing building occupies the northwestern quarter of the GM property. This building contains approximately 1 million square feet of space. Administrative offices are located in the northernmost portion of the building, and the remainder of the building houses the manufacturing operations.

A vehicle maintenance garage and a paint storage building are present near the southwest corner of the manufacturing building are. The facility maintenance building is located near the southeast corner of the manufacturing building; it is also used for some receiving operations.

The facility power plant is located to the east of the manufacturing building, along with the associated fuel tanks and cooling towers. Until recently the power plant used #6 fuel oil to generate steam for the facility; at present a temporary natural-gas boiler is being installed to meet the reduced demands of the facility. Three small structures located to the north of the power plant house the gas meters, bottled gas storage area, and main facility electrical switches.

The facility wastewater pre-treatment plant (WTP) is located on the southern portion of the property. All industrial process wastewater generated at the facility is carried through underground process sewers to the WTP where it is pre-treated prior to discharge to the Ewing-Lawrence Sewerage Authority (ELSA). The plant includes an oil water separator, waste treatment tanks, sludge settling tanks, and a wastewater treatment plant operations building. Pre-treated wastewater is discharged through an underground pipe to an ELSA sewer located beneath Parkway Avenue. Sanitary wastewater from the facility is also discharged to the same ELSA sewer.

Four paved parking areas are located on the property. A small parking lot is located at the northwestern corner of the manufacturing building adjacent to Parkway Avenue. The South Parking Lot, located southwest of the manufacturing building, has a total capacity of 406 cars. The East Parking Lot, located to the east of the manufacturing building and to the north of the power plant, has a capacity of 428 cars. The Power House Parking Lot, located to the east of the power plant and to the north of the wastewater treatment plant, has a total capacity of 1,540 cars.

Rail spurs connected to the Trenton Branch of the Delaware and Bound Brook Railroad enter the southern portion of the property in two locations and enter the manufacturing building at its southeast and southwest corners.

Four backfilled former sludge-drying beds are located east of the Power House Parking Lot. These sludge-drying beds were previously operated in association with the wastewater treatment plant.

Gold Run Creek flows through the eastern portion of the property from north to south and separates the developed western and southern portions of the site described above from the undeveloped area of the site east of the creek. A pond created by a dam on Gold Run is present at the northeast corner of the property. Gold Run receives surface runoff from the GM property, stormwater collected in facility storm drains and discharged at three permitted outfalls, stormwater from Parkway Avenue storm drains, and stormwater from a portion of the NAPC and a shopping center located on the north side of Parkway Avenue opposite the GM facility.

3.2 Environmental Setting

A detailed description of the environmental setting of the site was presented in Section 3.0 of the Preliminary Assessment / Site Investigation Report, Proposed Remedial Investigation Work Plan (URS Consultants, Inc., May 1996). The information presented in the URS report on the environmental setting of the site is summarized below.

Two streams, the Shabakunk and Gold Run Creeks, provide surface drainage for the area in the vicinity of the GM facility. Both streams flow south and west to the Delaware River. Gold Run enters GM's property from the north by way of a culvert beneath Parkway Avenue. The topography and physical features of the site and the surrounding area are shown on Figure 1.

Surface and near-surface soils in developed areas of the site are reported to be comprised of up to 10 feet of fill material obtained from on-site sources, primarily native soil material reworked by construction activities. In general, the soil horizon is least disturbed in the northern and eastern portions of the Site in the vicinity of Gold Run.

Native soils are reported to be well-drained and generally permeable; they developed from underlying fluvial and glacial outwash sediments. Unconsolidated overburden sediments at the site reportedly include interbedded fluvial sandy silts and clays, sands, and gravels. A thin (1 to 4 feet thick) zone of loose, weathered, highly-permeable sandstone reportedly is present between the base of the overburden sediments and the top of competent bedrock in most areas of the site.

The Stockton Formation is the uppermost bedrock unit beneath the site. It is comprised of arkosic hematite-stained sedimentary rocks of Triassic age. The Stockton Formation consists of "cycled" strata of fine-to-medium grained sandstones and finer-grained siltstones and mudstones. Conglomerates and coarse-grained sandstones are reportedly also present within the Stockton Formation but are not as common as the other lithologies.

Previous investigation results indicate that the competent bedrock surface at the site slopes from an elevation of approximately 132 feet above sea level in the northwest part of the site to an elevation of 98 feet in the southeast part of the site. The dip of stratigraphic bedding in the Stockton in the vicinity of the site is reported to be 8 to 10 degrees to the northwest. The possible presence of north-south trending faults or fracture zones in the Stockton at the site has been postulated by previous investigators on the basis of interpretations of site topography, hydrogeologic observations, and bedrock-surface mapping.

Two groundwater-bearing zones have been identified beneath the GM site. The water table generally occurs in the overburden or the underlying weathered bedrock rock. The shallow groundwater is reportedly unconfined, and some shallow wells at the site are either intermittently or typically dry. West of Gold Run, the direction of groundwater flow in the overburden/shallow bedrock zone has been observed to be generally to the southeast at a gradient in the range of 0.02 feet per foot. In the portion of the site which is east of Gold Run, the direction of groundwater flow in the overburden is likely to be generally to the west or southwest towards the creek.

Groundwater reportedly occurs in the underlying competent bedrock of the Stockton Formation under leaky confined conditions, with groundwater flow primarily occurring in fractures, joints, and partings along bedding planes. Permeability in the Stockton is reportedly variable and dependent on the degree of fracturing. Previous investigations have indicated that bedrock faulting may influence the vertical and lateral flow of groundwater in the competent bedrock at the site. The potentiometric surface of the bedrock groundwater has been observed to slope toward the southeast at a gradient in the range of 0.012 feet per foot.

A well search was performed to identify wells located within a one-mile radius of the GM site, and the results were summarized in the May 1996 Preliminary Assessment/Site Investigation Report, Proposed Remedial Investigation Work Plan. The search identified 173 domestic wells, 233 monitoring wells, and 15 other special purpose wells. Of those identified, 58 domestic, 99 monitoring wells, and 6 special purpose wells were found to be located within a one-half-mile radius of the site. The special purpose wells may include one of the following usage types; irrigation, light industrial, swimming pool, lawn sprinklers, cooling, school, air conditioning, or office.

IV. TECHNICAL OVERVIEW

Work was performed in accordance with the Proposed Remedial Investigation Work Plan prepared by URS Consultants dated May 1996 and the October 1996 Proposed Work Plan Addendum. Site work was conducted in accordance with a Site-Specific Health and Safety Plan prepared by Haley & Aldrich dated October 1996.

Subcontracted excavation and related remediation services performed in connection with the removal of buried drums from MOA Area A were provided by Integrated Technical Services, Inc. (ITS), of Winslow, New Jersey. Subcontracted well installation and test boring services performed in Areas A and C, respectively, were provided by Jersey Boring and Drilling Co., Inc., of Newark, New Jersey. Subcontracted surveying of the location and elevation of a monitoring well installed in MOA Area A was performed by Hopewell Valley Engineering, P.C., of Pennington, New Jersey. Project laboratory analyses were performed by Katahdin Analytical Services, Inc., of Westbrook, Maine and EMSL Analytical, Inc., of Westmont, New Jersey. Demolition and excavation of the old oil-water separator and former waste-oil UST in MOA Area B were performed by Terra Environmental Contractors, Inc., of Malvern, Pennsylvania under direct contract with GM. Off-site transport and disposal of wastes generated during the remedial investigation was performed by others under direct contract with GM.

4.1 Laboratory Analysis

A summary of samples collected and analyses performed during the remedial investigation is presented in Table 1. Remedial investigation sample analysis results are summarized on Tables 3 through 12, and summaries of compounds detected in investigation samples are presented on Figures 3, 4 and 5. Laboratory analysis reports are presented in Attachment 1 in NJDEP Reduced-Deliverables format.

The data from each sample analysis was reviewed for compliance with method-specific and project-specific QA/QC requirements including:

- Holding Times
- Surrogate Recoveries (where applicable)
- Internal Standard Recoveries (where applicable)
- Laboratory Control Sample Results
- Matrix Spike/Matrix Spike Duplicate Analyses
- Method Blank Sample Analyses
- Field QA/QC Sample Analyses (i.e. Equip. and Trip Blanks)

Guidance for the evaluation of the laboratory results was provided from the "Functional Guidelines for Evaluating Organic and Inorganic Analyses", USEPA, Hazardous Site Evaluation Division, 1988. Deviations from SW-846 analytical protocols or project specific data quality objective were noted. Each non-compliant QA/QC result was evaluated for the affect of the anomaly on the analytical data reported, and the reviewer's opinion concerning usability of the affected data is provided below.

Analyses were performed as specified in the May 1996 Proposed Remedial Investigation Work Plan. Each analytical procedure conducted was performed in accordance with USEPA protocols

as prescribed by "Test Methods for Evaluating Solid Waste", SW-846 3rd Ed., Office of Solid Waste, revised 12/87. Each data package contains chain of custody documents, analytical report forms, site-specific quality assurance/quality control and sample preparation chronologies and analysis raw data in accordance with N.J.A.C. 7:26E, Reduced Deliverables.

The analytical laboratory data generated as part of the Remedial Investigation included several precision and accuracy QA/QC analyses of laboratory and field procedures. Generally, the QA/QC analyses performed met and/or exceeded method-specific and project-specific data quality objectives (DQOs) as defined by "Test Methods for Evaluating Solid Waste", USEPA, 1986 and the May 1996 Proposed RI Work Plan. Based on a review of the items listed below, the analytical data appears to be accurate and representative of site conditions at the time that the samples were collected with the few exception noted.

4.1.1 Organic Compound Analyses

A. Holding Time Compliance

Project samples analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) plus tentatively identified compounds (TICs) by EPA Method 8260 were analyzed within fourteen (14) days of sample collection without exception which is within the accepted SW-846 holding time by SW-846 3rd Edition QA/QC requirements.

Project samples analyzed by EPA Method 8270 for TCL Base Neutral (BN) semi-volatile organic compounds (SVOCs) plus TICs or the Poly-nuclear Aromatic Hydrocarbon (PAH) subset of the TCL SVOCs were prepared within 7 days and analyzed within 40 days of sample collection which was within the SW-846 holding time without exception.

Project samples analyzed for polychlorinated biphenyl (PCB) compounds by EPA Method 8080 were extracted within 7 days and analyzed within 40 days without exception as recommended by SW-846.

B. Surrogate Compound Recoveries

Surrogate compounds were added to project sample aliquots as per the analytical protocols for the analysis of VOCs by EPA Methods 8260, PCBs by EPA Method 8080, and semi-volatile organic compounds (SVOCs) by EPA Method 8270. Calculated recovery of each surrogate compound was within laboratory QA/QC requirements without exception. The satisfactory recovery of surrogate compounds indicates that each analysis performed was within acceptable quality control and no matrix problems interfered with the extraction of target analytes within the project samples. However, in limited instances, surrogate compounds were diluted out in order to accurately quantify elevated levels of target analytes detected. In each case, the surrogate compound recovery was appropriately flagged "D" indicating the diluted result. No further corrective action is recommended.

C. Internal Standard Recoveries

Internal standard (IS) compounds were used in the quantitation of target compounds detected within project samples for VOC and SVOC analysis using EPA Method 8260 and 8270. The recovery of each IS fell within method specific QA/QC requirements with a few exceptions. In each non-compliant event, the laboratory re-prepared the sample or sample extract and re-

analyzed the sample to confirm the interference. For each sample which exhibited non-compliant results during the confirmation analysis, the matrix interference was noted on the appropriate reporting form. In addition, laboratory personnel were requested to provide a list of the non-compliant sample analysis. A copy of the list is attached to this report.

Generally, the matrix effect observed affected the recovery of late eluting semi-volatile target compounds quantified using Perylene-D12. For these samples, the values presented for compounds quantified to the internal calibration using Perylene D-12 should be flagged "J" as estimated concentrations. Acceptable recovery of the remaining internal standards indicates that reported concentrations of detected target analytes were correct for each project sample analyzed during the Remedial Investigation.

D. Laboratory Control Sample Analyses

Laboratory control samples (LCS) were analyzed concurrently with each batch of project samples. LCS target compounds included each parameter prescribed by the analytical method and requested by the Chain of Custody Record (COCR). The calculated recovery of each LCS parameter fell within laboratory specified QA/QC acceptance criteria without exception. Acceptable LCS analyses indicate that the analytical instruments and system were under control at the time project samples were analyzed by the laboratories.

E. Matrix Spike and Matrix Spike Duplicate Analyses

Matrix spike and matrix spike duplicate (MS/MSD) analyses were performed for each analytical method and sample matrix as part of the Remedial Investigation. MS/MSD target analytes and acceptance limits were prescribed by the respective analytical protocols (i.e. EPA Method 8260).

Generally, the calculated recovery for MS/MSD target analytes for VOCs was within 80 to 120 percent (%) of true value, while calculated recovery for SVOCs ranged from 20 to 110 % of true value. Although these ranges are acceptable based on QA/QC requirements prescribed by respective USEPA methodologies, the low recovery of acid-extractable SVOCs indicates that matrix interference may have caused a bias in the reported results for those analytes which is low.

Replicate percent difference (RPD) of MS analyte recoveries was performed to establish the precision of the reported results. The calculated RPD fell within generally accepted precision QA/QC limits of <35 % RPD without exception. The precision data indicates that the laboratory procedures used to prepare and analyze the project samples were uniformly applied and that the reported results are representative of site conditions.

F. Method Blank Sample Analyses

Method blank samples were analyzed concurrently with each batch of project samples analyzed for each target analyte as prescribed by the analytical method and COCR. Target analytes were not detected in method blank samples with the exception of methylene chloride and acetone in several method blanks during EPA 8260 analysis and bis-2(ethylhexyl)phthalate in several method blanks during EPA 8270 analysis. Trichloroethylene (TCE), cis-1,2-dichloroethylene (DCE), xylene, and/or tetrachloroethylene (PERC) were detected in three method blank samples.

Generally, the levels of these contaminants detected in method blanks were less than five times the laboratory practical quantitation Limit (PQL). The detection of these target analytes at concentration less than five times the PQL in project samples analyzed concurrently with the contaminated method blanks should be considered suspect and not representative of site conditions. Analysis results for site samples have been flagged B in the tables, figures, and laboratory reports presented with this report to indicate when the compounds detected were also detected in concurrently-analyzed method blank samples.

G. Field Quality Assurance Sample Analyses

Trip blank samples consisting of 40 milliliter (mL) vials filled with ASTM Type II labpure water were included with each batch of sample containers provided by the laboratory which included containers intended for samples to be analyzed for VOCs. Each trip blank sample was analyzed for TCL VOC analytes by the same analytical protocol for project samples submitted under the same COCR.

VOC target analytes detected in trip blank samples prepared and accompanying project samples to the laboratory included acetone and/or methylene chloride detected in several trip blanks and also detected in concurrently-analyzed method blank samples. Ethyl benzene, toluene, xylene, were detected in two trip blanks which accompanied MOA Area A and B soil samples. Ethyl benzene, toluene and xylene were not detected in the accompanying soil samples. TCE was detected in an MOA Area B trip blank and also detected in the associated method blank sample.

Other trip blanks did not contain detectable VOC contaminants, which indicates that the sample containers and the ambient conditions of the related sample storage and shipping containers were free of VOC contamination during the collection of the project samples.

Equipment rinsate samples (field blanks) were collected during the Remedial Investigation by passing ASTM Type II labpure water over representative field sampling equipment and collecting the rinsate for laboratory analysis. Field equipment rinsed for analysis included handheld surface soil sampling trowels, subsurface soil split-spoon samplers, and disposable groundwater sampling equipment. Field blanks were collected for each soil and groundwater sampling implement used in each MOA area sampled. Rinsate samples were analyzed for each parameter for which the associated environmental media investigated was analyzed.

Of the organic analytical parameters analyzed for, methylene chloride was detected in several field blanks and also detected in concurrently-analyzed method blank samples. Ethyl benzene, toluene and/or xylene were detected at low concentrations in the two field blanks which accompanied the trip blanks in which ethyl benzene, toluene and/or xylene had been detected. Semi-volatile organics and PCBs were not detected in field blank samples.

4.1.2 Inorganic Analyses

Solid and aqueous environmental samples were submitted to the laboratories for inorganics analysis of Priority Pollutant (PP) metals (plus barium in MOA Area A samples) using atomic absorption and atomic emission spectroscopic analysis. Cold vapor atomic absorption (CVAA) mercury analysis and macro-distillation cyanide analysis was also performed as part of the RI program.

A. Holding Time Compliance

Each sample digestion and analysis was performed within 28 days for mercury and 180 days of sampling for remaining metals without exception as required by SW-846 methodology. Cyanide analysis was performed within 14 days of sample collection without exception as specified by EPA Method 9010.

B. Instrument Calibration/laboratory Control Sample (LCS)

The analytical system calibration was verified by the use of standard reference materials (SRM) obtained from an independent manufacturer and analyzed concurrently with project samples. The recovery of each SRM fell within the laboratory specific acceptance criteria true value without exception.

C. Method Blank Samples

Inorganic analytes were not detected above the contract required quantitation limit (CRQL) within method blanks analyzed concurrently with project samples for PPM metals analysis without exception.

D. Matrix Spike Analysis

The calculated percent recovery of matrix spike (MS) sample analyses performed for each target analyte fell within laboratory specific acceptance criteria with a few exceptions. The reported results for these analytes was appropriately flagged "N". No further corrective action is recommended.

E. Matrix Duplicate Sample Analysis

The calculated relative percent difference (RPD) for each PPM analysis was within the laboratory specific criteria of $<20\%$ or $\pm$ CRDL for analyte concentrations below 5 times the CRDL with a few exceptions. The low reproducibility of the results for these parameters was most likely due to the relatively high concentration of the analytes detected. The variability noted by the analysis represents the limitation of digestion (saturation) or dilution procedures (reproducibility) performed within the laboratory. Since the results were appropriately flagged "**", no further corrective action is recommended.

F. Instrument Detection Limits

Instrument detection limit studies were provided in the sample data packages for each SDG.

4.2 MOA Area A - Barium Chromate Drum Disposal Area

4.2.1 Initial Activities

The investigation proposed in the May 1996 work plan consisted of a test pit/trench exploration program in the area of the magnetic anomaly to determine the exact nature of the buried metal objects and the conditions of these objects. Excavation work was performed by Integrated Technical Services, Inc.(ITS) under the observation of Haley and Aldrich personnel. Excavation

and sampling activities were conducted using Level B Health & Safety equipment and procedures.

The first of four planned test pit/trenches was excavated on 8 November 1996 beginning from outside the magnetic anomaly and extending toward the center of the area. The trench was excavated in 6-inch lifts using a backhoe. 55-gallon metal drums were encountered at a depth of approximately 5 feet in the first trench. Drums were tightly spaced and oriented horizontally in rows. Groundwater was encountered in the excavation at a depth of approximately 5.2 feet, just below the top of the drums. Six drums were removed from the excavation and placed in overpacks staged on plastic sheeting adjacent to the excavation. Contents of three of the drums were sampled for laboratory analysis before the overpacks were closed, and the excavation was secured.

Because drums were present in MOA Area A, the scope of the investigation was expanded beyond the specific which had been proposed in the May 1996 work plan. Supplemental sampling and analysis activities were performed in accordance with the general guidelines set forth in the May 1996 work plan and with other applicable NJDEP guidance.

4.2.2 Excavation and Drum-Removal Activities

Additional equipment was mobilized to the site prior to resumption of drum removal activities. The additional equipment included a pump and portable tanks to permit dewatering of the excavation during drum removal activities, roll-off boxes to contain contaminated soil, and a loader. Ninety two additional drums were removed during the period of 11 through 18 November 1997.

Apparently-clean soil material excavated from the interval between the ground surface and a depth of approximately 3.5 feet, which was 1.5 to 2 feet above the level of the top of the buried drums, was stockpiled during the excavation and drum-removal process for possible later reuse as backfill. The clean soils were temporarily staged on plastic sheeting approximately 100 feet south of the excavation.

Drum removal was performed using a drum hook on the end of the backhoe or excavator bucket. After each drum was removed from the excavation, field personnel inspected it to determine the condition and contents of the drum. The following information was recorded at the time of drum removal: drum number; date of removal; type of container; location of the drum in the excavation; condition of drums and contents; and photoionization detector readings. The drum information is summarized in Table 2, and a schematic diagram of the drum locations is shown on Figure 3.

Seventy six drums were placed directly in 85-gallon or 110-gallon USDOT-approved overpack containers. Overpacked drums included nine drums containing apparent waste paint material or soil and ash and 67 drums containing apparent barium chromate sludge. Overpacks were placed on plastic sheeting in a temporary staging area located adjacent to the excavation, and were covered with plastic sheeting until they were transported to the hazardous waste drum storage pad located in MOA Area C. The 22 remaining drums, all of which contained apparent barium chromate sludge, were placed in one of the 12 roll-off boxes used to contain and transport off-site contaminated soil. The 22 drums were placed in roll-offs to facilitate rapid completion of the drum removal activities.

Soils from the level of the drums and apparently-contaminated soils from beneath the drums were excavated and placed directly in roll-off boxes staged on the north side of the excavation. Sawdust was used as a stabilizer for particularly wet soils removed and placed in the roll-offs. Following the removal of all drums, all remaining apparently-contaminated soils were removed from the excavation floor and sidewalls. All remaining sandy fill material which had apparently been placed around the drums at the time of burial was also removed from the excavation floor and sidewalls and placed in roll-offs. The native soil material exposed in the bottom and sidewalls of the excavation was then sampled for confirmation of excavation extent. The final depth of the excavation was 7.5 feet and was relatively uniform. The approximate areal extent of the final excavation is shown on Figure 3.

Excavation water was removed at the beginning of each day of excavation by pumping to portable 20,000-gallon holding tanks staged at the east side of the excavation area, and pumping was continued each day as necessary to maintain a relatively dry excavation.

4.2.3 Drum Sampling

Representative samples of the contents of eleven individual drums (1, 2, 4, 10, 11, 12, 13, 14, 15, 17, and 24) were collected by Haley & Aldrich between 8 and 14 November 1996 and submitted to EMSL Analytical Inc. for laboratory analysis. All individual drum samples were analyzed for total volatile organics. Samples from drums 1, 2, and 4 were also analyzed for base neutral and acid extractable semi-volatiles, PCBs, total cyanide, and priority-pollutant (PP) metals plus barium. Samples from drums 1 and 2 were also analyzed for hexavalent chromium. Samples from drums 1 and 4 were also analyzed for ignitability, reactive sulfide, reactive cyanide, and pH.

For the purposes of waste characterization, a composite sample was collected from several MOA Area A drums containing barium chromate sludge by Haley & Aldrich personnel on 23 December 1996. The sample (Drum Comp) was analyzed by Katahdin Analytical Services for RCRA volatiles and metals using TCLP methods.

Refer to Figure 3 for a summary of the compounds detected in the drum samples. A complete summary of the analytical results for the drum samples, including compounds analyzed but not detected, is presented on Table 3.

4.2.4 Contaminated-Soil Sampling

Grab samples of contaminated soil materials were collected from between and beneath the drums during the drum removal process. Three of the grab samples collected (S1, S2, S7) and a duplicate sample were selected for laboratory analysis on the basis of appearing to be representative of the highest degree of contamination present. The 3 soil samples and the duplicate were submitted to Katahdin Analytical Services for laboratory analysis of PP metals plus barium, volatiles, base neutrals, cyanide, and PCBs. Figure 3 shows the locations of the three grab samples and presents a summary of the compounds detected in the samples. A complete summary of the analytical results for the contaminated-soil samples is presented on Table 4.

For the purposes of waste characterization, a composite soil sample was collected by Haley & Aldrich personnel on 23 December 1996 from the roll-off boxes containing soil removed from the MOA Area A excavation. The sample (Roll-off Comp) was analyzed by Katahdin Analytical

Services for RCRA volatiles and metals using TCLP methods. Analytical results are presented on Table 4 and summarized on Figure 3.

4.2.5 Sampling of Excavation Water

Six samples of excavation water were collected. One sample was collected from the excavation on 8 November 1996, a sample was collected from each of the three holding tanks filled, and two samples were collected from the excavation on 21 November 1996. The first sample, collected on 8 November, was submitted to EMSL Analytical Inc. for laboratory analysis of volatile organics, PP metals plus barium, base neutrals and acid extractables, cyanide, and PCBs. The remaining five samples were submitted to Katahdin Analytical Services for laboratory analysis of volatile organics. Analytical results are presented on Table 5 and summarized on Figure 3.

4.2.6 Sampling of Excavated Clean Soil Material Re-used as Backfill

Six samples (MOA-A-CS1 through -CS6) of the staged clean soil material were collected by Haley & Aldrich on 19 November 1996 in accordance with NJDEP guidance. Samples were submitted to Katahdin Analytical Services for laboratory analysis of PP metals plus barium, volatiles, base neutrals, cyanide, and PCBs. Refer to Table 6 for a summary of the analytical results of the clean-soil-pile sampling and to Figure 3 for a summary of the compounds detected in the samples.

4.2.7 Confirmation Sampling

Eight samples (MOA-A-ConfS1 through -ConfS8) were collected by Haley & Aldrich personnel from the floor and sidewalls of the excavation on 20 November 1996 in accordance with NJDEP guidance. Sample locations are shown on Figure 3. The samples were submitted to Katahdin Analytical Services for laboratory analysis of PP metals plus barium, volatiles, base neutrals, cyanide, and PCBs. Refer to Table 6 for a summary of the analytical results and to Figure 3 for a summary of the compounds detected in the confirmation samples.

A ninth confirmation sample (MOA-A-ConfS9) was collected from the east sidewall at the northeast corner of the excavation. The sample was collected on 3 December 1996 after removal of 6 inches of additional native soil material from this wall. The additional soil removal was performed at this location as a precautionary measure to remove soil which had been contacted by a few gallons of water released when the hose between the pump and the excavation-water-holding tank was disconnected after confirmation sampling was completed on 20 November 1996. The additional soil removal and sampling was performed after water in the excavation had been pumped out in preparation for backfilling. MOA-A-ConfS9 was submitted to Katahdin Analytical Services for laboratory analysis of barium. Analytical results are presented on Table 6 and summarized on Figure 3.

4.2.8 Backfilling of Excavation

The excavation was backfilled beginning on 3 December 1996. Backfill composed of clean bank-run sand, silt, and gravel from a local off-site source was placed in the bottom of the excavation and compacted using backhoe equipment. After receipt of the analytical results for the six samples, which confirmed that contaminants were not present in the stockpiled soils, the stockpiled clean soil was used as backfill in the excavation. In accordance with NJDEP

guidance, this material was placed in the horizon from which it had been removed at the top of the excavation.

4.2.9 Monitoring Well Installation

Overburden monitoring well MW-21 was installed approximately 7 feet west of the west side of the backfilled excavation on 5 February 1997. The location of the well is shown on Figures 2 and 3. The well installation was performed by Jersey Boring and Drilling and was overseen by Haley & Aldrich personnel.

The well borehole was advanced using 4-1/4-inch inside-diameter hollow stem augers. Continuous split-spoon soil sampling was performed to refusal at the apparent top of weathered bedrock at a depth of 8.3 feet below grade. The boring was then advanced without sampling by augering to a total depth of 14.1 feet below grade.

The well was constructed in accordance with NJDEP guidance using a 10-foot length of continuously-wound 0.010-inch slotted stainless-steel wellscreen threaded to a stainless-steel riser. A sand pack was installed to 1.5 feet above the top of the screen, and bentonite and concrete surface seals were installed above the sand pack. The well was completed with a stickup of 2.2 feet and a protective outer casing. The well was developed on the day following its installation by surging and bailing until the discharge was clear and free of sediment.

The location and elevation of the well were surveyed by Hopewell Valley Engineering.

A test boring log, monitoring well installation report, and a copy of the well permit and survey report form are presented in Appendix A.

4.2.10 Groundwater Sampling

Groundwater samples were collected from MW-21 by EMSL Analytical Inc. on 20 February and 6 March 1997. Groundwater level measurements, well purging, and groundwater sampling was performed in accordance with NJDEP guidance. On both dates, a groundwater sample and a blind duplicate sample labeled MW-210 were collected for analysis by EMSL of TCL volatiles, base neutral, PCBs, total cyanide, and PP metals plus barium. Analytical results are presented on Table 7 and summarized on Figure 3. Groundwater sampling records are presented with the analytical reports in Attachment 1, and copies are presented in Appendix A.

4.2.11 Waste Disposal

Roll-off boxes containing soil removed from the MOA Area A excavation and the drums not placed in overpacks were transported by rail to the ECDC Environmental facility located in East Carbon, Utah for disposal as non-hazardous waste. Approximately 170.6 tons of soil, drums, and sawdust were removed from MOA Area A and transported off-site in roll-off boxes.

Sixty seven overpacked drums of barium chromate sludge were transported off-site by truck to the USPCI Lone Mountain facility located in Waynoka, Oklahoma for disposal as hazardous waste. Nine overpacked drums of waste paint material were transported off-site by truck to the S&W Waste, Inc. facility located in South Kearney, New Jersey for disposal as hazardous waste.

Approximately 20,000 gallons of excavation water contained in the first of the three holding tanks to be filled was transported off-site by truck to the CyanoKEM facility located in Detroit, Michigan for treatment as hazardous waste.

The remaining excavation water contained in the second two holding tanks used during the project was discharged to the on-site facility wastewater pre-treatment plant. GM obtained a formal pre-approval for the discharge of this water to its pre-treatment system from the NJDEP. Decontamination rinses from cleaning of excavation-water holding tanks, excavation and drum-handling equipment, drilling equipment, and personnel protection equipment were also discharged to the on-site pre-treatment plant, as was groundwater purged from MW-21 during development and sampling.

Copies of waste manifests and/or bills of lading for materials disposed of off-site are presented in Appendix B.

4.3 MOA Area B - Old Oil/Water Separator and adjacent Former Waste-oil UST

Demolition and removal of the old oil-water separator and waste oil UST and backfilling of the excavation was performed for GM by Terra Environmental Contractors, Inc. between November 1996 and early January 1997. Haley & Aldrich personnel performed soil sampling in accordance with the May 1996 work plan after demolition and removal of the concrete structures of the old oil-water separator and waste oil UST and excavation and removal of apparently-contaminated surrounding soils. Haley & Aldrich personnel also collected supplemental samples of sludge, water, and soil material removed from the area for the purposes of waste-characterization, as described below, and submitted the samples to the project laboratory.

4.3.1 Confirmation Sampling

Soil samples were collected in the bottom (at depths of 10) and sidewalls (at depths of 5.5 to 6 feet) of the initial excavation at the locations proposed in the May 1996 work plan. Samples MOA-B-S1 through MOA-B-S20 were collected in the portion of the excavation from which the old oil-water separator had been removed, and samples MOA-B-S1 through MOA-B-S5 were collected in the portion of the excavation from which the waste-oil UST had been removed. Samples were submitted to Katahdin Analytical Services for laboratory analysis of PP metals plus barium, volatiles, base neutrals, cyanide, and PCBs on a rapid-turnaround basis.

Additional soil removal and collection of supplemental confirmation samples MOA-B-S21 through MOA-B-S23, analyzed for all the parameters listed above, were performed in an area at the southeast end of the excavation. The additional soil removal was performed in response to the detection of xylene at levels slightly above the NJDEP Impact to Ground Water cleanup criterion of 10 mg/kg in initial confirmation samples MOA-B-S2 through MOA-B-S19. Gray-stained soils with elevated VOC levels detectable with a PID field screening device were observed in this area of the excavation, and Haley & Aldrich personnel performed visual and VOC field screening to determine the extent of apparently-contaminated soil during the additional soil removal.

Confirmation sample locations and depths and a summary of compounds detected are shown on Figure 4. Analytical results for confirmation samples are presented in Table 8.

4.3.2 Excavated-Soil Sampling

Two grab samples (MOA-B-S24 and MOA-B-S25) appearing to be representative of the most-contaminated soil removed during the additional soil excavation performed at the southeast end of the MOA Area B excavation were collected from the temporary stockpile of this material on 9 January 1997. The samples were submitted to Katahdin Analytical Services for laboratory analysis of PP metals plus barium, volatiles, base neutrals, cyanide, and PCBs. A composite sample of the soil which had been excavated from MOA Area B prior to the additional soil removal performed at the southeast end was collected from the roll-off boxes in which it was contained on the same date. The roll-off composite (MOA-B-RC1) was submitted to Katahdin Analytical Services for laboratory analysis of total TCL volatiles and the complete list of RCRA hazardous-waste characteristic parameters. Analytical results for the samples of excavated soil removed from MOA Area B are presented on Table 9 and summarized on Figure 4. Table 9 also presents the analytical results for initial confirmation samples MOA-B-S2 and MOA-B-S19, since soils beneath and around these two locations were removed after the samples were collected.

4.3.3 Waste-characterization Sampling and Analysis

At the request of GM, on 19 November 1996 Haley & Aldrich collected a sample of water present between the walls of the two halves of the old oil-water separator prior to its demolition. The sample (WT-1) was submitted to Katahdin Analytical Services for laboratory analysis of PP metals plus barium and TCL volatiles. A composite sample was collected by Haley & Aldrich on 26 November 1996 from 5 of 62 drums of sludge material removed from the old oil-water separator prior to demolition. The 5 drums sampled were selected at random. The composite sample (MOA-B o/w residue) was submitted to Katahdin Analytical Services for laboratory analysis of total TCL volatiles and the complete list of RCRA hazardous-waste characteristic parameters. Analytical results for these two waste characterization samples are presented on Table 10 and summarized on Figure 4.

4.3.4 Backfilling of Excavation

The excavation was backfilled beginning on 20 December 1996. Initial attempts to place and compact conventional granular backfill in the bottom of the excavation were unsuccessful as a result of extremely wet weather conditions which prevailed at the time. Coarse, clean concrete debris from the demolition of the old oil-water separator was therefore worked into the wet bottom of the excavation to create a workable base level. A geotextile fabric was then placed on top of the concrete, and the remainder of the excavation was filled with granular backfill placed and compacted in 6- to 12-inch lifts. The granular backfill was composed of a mixture of the soil which had been excavated in 1990 from the site of the new oil-water separator and stockpiled east of monitoring wells MW-9 and -9A, crushed clean concrete debris from the demolition of the old oil-water separator, and a minor amount of supplemental, clean, bank-run sand, silt, and gravel from a local off-site source.

4.3.5 Waste Disposal

Roll-off boxes containing soil removed from the MOA Area B excavation, including the temporarily-stockpiled soils removed from the additional soil excavation performed at the southeast end of the excavation, were transported by rail to the ECDC Environmental facility located in East Carbon, Utah for disposal as non-hazardous waste. These roll-offs also contained

soil and debris removed from a small excavation performed at the north corner of the old oil-water separator to execute repairs to an underground water-supply line which had been broken during the demolition and excavation activities. Approximately 176 tons of soil were removed from MOA Area B and transported off-site in roll-off boxes.

Sixty two drums of sludge material removed from the old oil-water separator prior to demolition were transported off-site by truck to the USPCI Lone Mountain facility located in Waynoka, Oklahoma for disposal as non-hazardous waste..

Water contained in the old oil-water separator prior to demolition and pumped from the excavation during demolition and excavation activities was discharged to the on-site facility wastewater pre-treatment plant. Decontamination rinses from cleaning of excavation and sampling equipment were also discharged to the on-site pre-treatment plant.

Copies of waste manifests and/or bills of lading for materials disposed of off-site are presented in Appendix B.

4.4 MOA Area C - RCRA Drum Storage Pad

Remedial investigation activities included installation of 15 soil borings. Ten borings were installed around the outside edge of the pad, and five borings were installed within the interior of the pad at joints in the concrete floor. Test borings were advanced and sampled in accordance with the May 1996 Work Plan with four exceptions. The exceptions were:

- At sample location MOA-C-B2, the test boring encountered underground utility piping at a depth of approximately 4 feet below grade and was therefore not advanced to the planned depth of 10 feet. Previously-available information had indicated that the location of this underground piping was further to the east. A second boring (-2A) was advanced to a depth of 10 feet at an adjacent location to the west of MOA-C-B2.
- At sample location MOA-C-B10, the test boring was advanced to a depth of 1.5 feet below grade, rather than the planned depth of 10 feet, to avoid the same underground utility piping. Suitable nearby alternative locations for a test boring beyond the expected location of the underground lines were not accessible with a drilling rig.
- At sample location MOA-C-B16, a test boring was not attempted with a drilling rig because of the presence of the same underground utility piping. Collection of samples from below the surface interval (0 to 6 inches) was attempted using a hand auger and then a shovel at several spots in this area; however, this attempt was unsuccessful because of the presence of coarse debris in the subsurface fill.
- Because of the presence of other underground utility piping, an accessible test boring location was not available adjacent to the sump which collects run-off from the interior of the pad. Therefore, the test boring planned for this location was not performed.

Copies of test-boring logs for the MOA Area C test borings are presented in Appendix A. Figure 5 shows the locations of the fifteen 1996 MOA RI borings as well as the twelve shallow RCRA-closure borings performed by others in 1991. Figure 5 also presents a summary of the analytical results for soil samples collected at each of the 27 locations.

4.5 MOA Area D - Former Gasoline UST Area

In accordance with the May 1996 work plan and the NJDEP Technical Requirements for site Remediation (N.J.A.C 7:26E - Appendix C), Haley & Aldrich conducted a statistical evaluation of historic groundwater quality data from the UST area to evaluate trends in groundwater concentration over time. Data from the following wells were considered: UST-2, UST-4, UST-5, UST-7 and UST-8. The locations of these wells are shown on Figure 2. The available historical data set for these wells, which is the data set used for the evaluation, is summarized in Table 12. A summary sheet included in Appendix A presents the evaluation results from the Mann-Whitney U-test performed. Time-series plots of historical contaminant concentrations which have been detected in groundwater samples from these wells are also presented in Appendix A.

V. INVESTIGATION FINDINGS

5.1 MOA Area A - Barium Chromate Drum Disposal Area

5.1.1 Soil Conditions

Nine samples were collected from native soil exposed in the bottom and sidewalls of the completed drum-removal excavation. Analytical results for all nine samples indicated that the compounds detected were present at concentrations well below NJDEP Residential Direct Contact and Impact to Ground Water Criteria. Metals concentrations detected appear to be indicative of background conditions. The only organic compound detected which was not a probable lab contaminant was cis-1,2-DCE, which was detected in only one sample at an estimated concentration below the practical quantitation level. Similar results were obtained for the six grab samples collected from the clean fill re-used as backfill in the excavation, except that DCE was not detected in any of these samples.

The test boring for monitoring well MW-21, which was installed approximately 7 feet from the west edge of the backfilled MOA Area A drum removal excavation, encountered relatively undisturbed native glaciofluvial sediments consisting of silty fine sand and fine sand to a depth of 8.3 feet below grade. The well was installed by augering an additional 5.8 feet into weathered bedrock.

5.1.2 Groundwater Conditions

No semi-volatiles or cyanide were detected in either of the two groundwater samples collected from MW-21. None of the metals detected exceeded NJDEP Groundwater Criteria. One sample (March 1997) contained PCB Arochlor-1016 at a concentration of 0.65 parts per billion (ppb) which exceeds the NJDEP Groundwater Criterion of 0.5 ppb. However, PCBs were not detected above the detection limit of 0.5 ppb in a duplicate sample collected at the same time or in the sample and duplicate collected in February.

TCE and cis-1,2-DCE were detected in both the February and March samples. Both compounds exceeded NJDEP Groundwater Criteria in February. The TCE concentrations detected were 94 ppb in the February sample and 48 ppb in the March sample. Cis-1,2-DCE was detected at a concentration of 17 ppb in the February sample and at the NJDEP Groundwater Criterion of 10 ppb in the March sample.

Groundwater was present in MW-21 at a static level of approximately 2 feet below grade on both sampling dates. Groundwater elevations measured at MW-21 prior to groundwater sampling activities were 108.26 feet above mean sea level on 20 February 1997 and 108.20 feet on 6 March 1997.

5.2 MOA Area B - Old Oil/Water Separator and adjacent Former Waste-oil UST

A limited pocket of soil contamination by xylene at levels above NJDEP criteria was encountered in the area of initial confirmation samples MOA-B-S2 and MOA-B-S19. Low concentrations of ethylbenzene and toluene were also detected in samples of the contaminated soil from this area. Plant personnel reported that a paint-materials storage shed was formerly located directly above

the pocket of contamination, and it was therefore suspected that a release of paint thinner or other paint-related product may have been the source of contaminants detected. However, no record or other evidence of a release in this area had previously been known. Analytical results for confirmation soil samples MOA-B-S21 through -S23, which were collected from the floor and sidewalls of the excavation in the area where supplemental soil removal was performed, indicate that residual contamination at concentrations above NJDEP criteria is not present.

Beryllium (up to 3.1 parts per million, ppm), nickel (up to 367 ppm), arsenic (up to 23.4 ppm), cadmium (up to 2.2 ppm), and/or PCBs (Arochlor 1260, up to 1.0 ppm) were each detected at concentrations slightly above NJDEP Residential and /or Non-residential Direct Contact Criteria in one or two of the 20 samples from the old oil-water separator portion of the excavation. Tetrachloroethylene was detected in one sample from the excavation bottom at a concentration of 1.3 ppm, which is just above the NJDEP Impact to Ground Water Criterion of 1 ppm. Arsenic (up to 45 ppm), cadmium (up to 10 ppm), and chromium (up to 876 ppm) were detected slightly above NJDEP Residential and /or Non-residential Direct Contact Criteria in two to four of the five samples from the old waste-oil tank portion of the excavation. Concentrations of other compounds detected, including base neutrals and cyanide, were detected at concentrations below NJDEP Impact to Ground Water and Residential Direct Contact Criteria.

5.3 MOA Area C - RCRA Drum Storage Pad

Granular fill composed of silt, sand, and gravel was encountered in the 15 test borings installed in and around the pad. The fill contained varying proportions of debris including wood, plastic, glass, and concrete. Cinders, ash, and slag pieces were noted to be present as components of the fill or as distinct layers within the fill in 12 of the 15 borings. Native glaciofluvial sediments composed of fine sandy silt were encountered beneath the fill in 5 of the 15 borings. The top of native soils was encountered at depths of 8.4 to 11.2 feet in these borings. In other borings, native soils were not encountered beneath the fill horizon which extended to depths of at least 10 to 12 feet. Light green or light blue-green staining was noted in test boring samples from test borings MOA-C-B7, -B8, -B11, -B13, and -B15.

Some of the samples from the bottom of test borings appeared to be moist; however, it did not appear from the conditions observed that groundwater was present within 10 to 12 feet of the ground surface in this area.

Metals including antimony (up to 14.4 ppm), cadmium (up to 507 ppm), copper (up to 9,970 ppm), lead (up to 2,390 ppm), nickel (up to 685 ppm), and zinc (up to 11,700 ppm) were detected at concentrations above NJDEP Residential Direct Contact Criteria in samples from an area beneath and along the edge of the southern part of the pad. Chromium contamination (up to 2,200 ppm) was also detected in these samples. The samples in which metals contamination was detected corresponded closely with those in which green and blue-green staining had been noted.

Metals contamination above NJDEP direct-contact criteria was detected at depths of up to 12 feet; however, where it was detected, metals contamination generally decreased with depth. The highest concentrations and deepest apparent extent of metals contamination were detected at the MOA-C-B11, -B13, and -B15 locations within the interior of the pad. These three borings were located in the same area of the pad in which shallow soil contamination by nickel and copper had been detected by the 1991 RCRA-closure sampling.

PAHs were also detected above NJDEP Residential Direct Contact Criteria in samples from MOA-C-B7, -B8, -B13, and -B14. The samples in which PAHs were detected above NJDEP criteria corresponded with samples in which ash and cinders or slag were noted, and Haley & Aldrich believes that the ash, cinders, and slag noted in the test boring samples are a likely source of the PAHs detected.

5.4 MOA Area D - Former Gasoline UST Area

Data for UST-2 and UST-4 were insufficient to perform the Mann-Whitney evaluation in accordance with specifications of the NJDEP's Technical Requirements. The method in the regulation requires a minimum of eight consecutive quarterly sampling events, and data were only available from four sampling events for these two wells. However, the results for the most recent sampling (during the 1994 ISRA RI activities) indicates BTEX concentrations in UST-4 were below NJDEP Groundwater Quality Criteria. BTEX concentrations declined in UST-2 by an approximate factor of 10 from samples collected in 1989 to those obtained in 1994.

UST-7 BTEX data from February 1992 through May 1994 "pass" the Mann-Whitney U-test, indicating a "significant" decline in concentration during this time period. BTEX compounds were detected above quantification limits only once during this time period.

Historic data from UST-5 and UST-8, located west and south of the former locations of the USTs, are variable. A decline in concentration (a "pass" of the Mann-Whitney U-test) can not be statistically verified for these wells. Samples from both wells were consistently above NJDEP Groundwater Criteria and did not decline significantly over time.

VI. CONCLUSIONS AND RECOMMENDATIONS

The conclusions and recommendations concerning additional investigation or remedial action in MOA Areas A, B, C, and D which are presented below will be incorporated in the Remedial Investigation Work Plan for the site-wide investigation to be performed in connection with the ISRA closure of the Trenton facility, ISRA Case No. 97070. GM intends to carry forward additional investigation and/or remedial action, if necessary, in MOA Areas A, B, C, and D under ISRA Case No. 97070.

6.1 MOA Area A - Barium Chromate Drum Disposal Area

Confirmation soil sample analysis results indicate that residual soil contamination is not present in the former barium-chromate drum-disposal area in MOA Area A. The results indicate that, prior to its removal, the lateral and vertical extent of contamination of soil was limited to the soils between and immediately beneath the drums.

TCE and DCE were detected in MW-21 groundwater samples at concentrations above NJDEP groundwater standards. Although TCE and DCE were detected in samples of drum contents and soil removed during the MOA activities, the extent of soil contamination encountered appears to have been limited to the immediate vicinity of the drums, and the post-excavation sampling results indicate that the contamination has been removed. The levels of TCE and DCE detected in groundwater from MW-21, which was first sampled three months after the drum- and soil-removal activities were completed, are within the historical range of concentrations of TCE and DCE which have been detected in site wells located upgradient or cross-gradient from MW-21 but hydraulically downgradient of the Naval Air Propulsion Center. The source of the TCE and DCE detected in MW-21 groundwater samples may be the upgradient, off-site sources located at the NAPC.

Resampling of well MW-21 to evaluate the validity of PCB Arochlor-1016 detected in March 1997 is recommended. No other additional groundwater sampling appears to be necessary at this time.

6.2 MOA Area B - Old Oil/Water Separator and adjacent Former Waste-oil UST

The results indicate that residual soil contamination at levels above NJDEP Impact to Groundwater Criteria is not present in MOA Area B. Xylene contamination exceeding the NJDEP criterion was detected in initial confirmation samples MOA-B-S2 and S19, but was removed by the supplemental soil removal performed in the southeast part of the excavation.

The analytical results for final confirmation soil samples collected in the MOA Area B excavation indicate that slight exceedances of NJDEP direct contact criteria for metals and PCBs are present. However, the exceedances detected were erratically distributed and were detected in a relatively small proportion of the samples collected. Based on the depth of the soils in which they were detected (5.5 feet below grade or deeper) and the removal of shallow soils from around the perimeter of the former separator and waste-oil tank during the demolition project, the exceedances do not appear to represent a potential direct contact hazard. Further delineation of the extent of these compounds in soil at concentrations above NJDEP criteria does not appear

to be warranted. Haley & Aldrich recommends that an evaluation of the presence of these compounds in soil in this area be included in the evaluation of the area of the facility wastewater pre-treatment plant which is to be performed under ISRA Case No. 97070.

6.3 MOA Area C - RCRA Drum Storage Pad

Haley & Aldrich believes that the detection of PAHs in samples from MOA Area C at concentrations above NJDEP direct contact criteria is likely to be the result of the presence of ash, cinders, and slag in the fill material in this area of the site. However, metals contamination of soil appears to have resulted from a release through the floor of the interior of the drum storage pad.

Complete delineation of the lateral extent of metals contamination to the east and southeast of the apparent release area was not planned for in or accomplished by the remedial investigation. Sampling at one location on the east side of the pad (MOA-C-B16) and at the sump in the southeast corner of the pad was not performed as planned during the MOA investigation, and sampling at a second location on the east side of the pad (MOA-C-B10) was not as deep as planned. Along the south wall of the pad, contamination was detected in samples from the MOA-C-B7 and -B8 locations, and additional sampling to the south of these locations was not planned or performed.

Haley & Aldrich believes that additional sampling for the purposes of delineating the extent of metals contamination is not warranted at this time. The absence of apparent contamination in samples from the test borings located at the southeast corner of the pad (MOA-C-B9) and in the northeast quarter of the pad (MOA-C-B14 and MOA-C-B2 and -B2A) indicates contamination in the subsurface south and east of the pad is likely to be of limited extent. If necessary in the future, confirmation of the extent of metals contamination could be performed to verify the effectiveness of any remedial action proposed or implemented.

6.4 MOA Area D - Former Gasoline UST Area

Data from UST-5 and UST-8 were both consistently above NJDEP Groundwater Criteria and did not decline significantly over time. Haley & Aldrich recommends that additional groundwater sampling for analysis of BTEX compounds by EPA method 8020 be performed at UST-5 and UST-8 for eight consecutive quarters. Haley & Aldrich recommends performing an evaluation of the collected BTEX data using the Mann-Whitney U-Test and other appropriate methods at the end of the sampling program to determine whether a significant decline in concentration has occurred. Evaluation of appropriate remedial actions, if any, could be performed at that time.

VII. LIMITATIONS

The conclusions provided by Haley & Aldrich of New York are based solely on the scope of work conducted and the sources of information referenced in this report. Any additional information which becomes available concerning this site should be provided to Haley & Aldrich of New York so that our conclusions and recommendations may be reviewed and modified as necessary.

REFERENCES

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2. McLaren/Hart Environmental Engineering Corporation, "ISRA Remedial Investigation Plan, Inland-Fisher Guide Division, General Motors Corporation, 1445 Parkway Avenue, Trenton, New Jersey, 08650-1019, ISRA Case No. 92713," September 3, 1993.
3. State of New Jersey, Department of Environmental Protection and Energy, Division of Responsible Party Site Remediation, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Douglas Stuart, Chief, to Marilyn Dedyne, GM Environmental and Energy Staff, December 17, 1993. 12 May 1994
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5. State of New Jersey, Department of Environmental Protection and Energy, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Stephen Maybury, Section Chief, to Marilyn Dedyne, GM Environmental and Energy Staff, May 12, 1994.
6. URS Consultants, Inc., "Preliminary Assessment/Site Investigation Report, Proposed Remedial Investigation Work Plan, Delphi Interior & Lighting Systems Division, General Motors Corporation, 1445 Parkway Avenue, Trenton, New Jersey, 08650-1019, Case No. 95-2-22-1407-48," May 1996.
7. State of New Jersey, Department of Environmental Protection, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Gregory C. Zalaskus, Case Manager, to Marilyn Dedyne, P.E., General Motors, July 22, 1996.
8. Haley & Aldrich of New York, "Preliminary Assessment Report, Delphi Interior & Lighting Systems Division, General Motors Corporation, Trenton, New Jersey, ISRA Case No. 97070," May 1997.

TABLE 1
Analytical Methods / Quality Assurance Summary
Remedial Investigation for NJDEP MOA Case No. 95-2-22-1407-48
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

Location	Sample Matrix	No. of samples	TCL VOCs	TCL SVOC			PP Metals	Ba	Cr+6	Cyanide	PCB	TCLP - RCRA Parameters			Flash point	Re-activity	pH
				BNAs	BNs	PAHs						VOC	Metals	BNA, Pest, Herb			
MOA Area A	Individual drum contents	11	11	3			3	3	2	3	3				2	2	2
	Individual drum contents - aqueous fraction	1	1														
	Field blank - drum coliwassa	1	1	1			1	1		1	1						
	Individual drum sampling trip blanks	2	2														
	Drum contents composite	1										1	1				
	Excavation water	6	6	1			1	1		1	1						
	Contaminated soil grab samples from excavation	3 plus 1 dupl.	4		4		4	4		4	4						

Analytical Methods / Quality Assurance Summary
Remedial Investigation for NJDEP MOA Case No. 95-2-22-1407-48
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Location	Sample Matrix	No. of samples	TCL VOCs	TCL SVOC			PP Metals	Ba	Cr +6	Cyanide	PCB	TCLP - RCRA Parameters			Flash point	Re-acti- vity	pH
				BNAs	BNs	PAHs						VOC	Metals	BNA, Pest, Herb			
MOA Area A, cont.	Composite sample of excavated soil	1										1	1				
	Confirmation soil samples from completed excavation	9	8		8		8	9		8	8						
	Confirmation sampling field blank	1	1		1		1	1		1	1						
	Confirmation sampling trip blank																
	Clean soil replaced in excavation as backfill	6	6		6		6	6		6	6						
	Clean-soil-pile sampling field blank	1	1		1		1	1		1	1						

Analytical Methods / Quality Assurance Summary
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[illegible]

Analytical Methods / Quality Assurance Summary
Remedial Investigation for NJDEP MOA Case No. 95-2-22-1407-48
General Motors Corporation - Delphi Interior & Lighting Systems
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[illegible]

TABLE 1
Analytical Methods / Quality Assurance Summary
Remedial Investigation for NJDEP MOA Case No. 95-2-22-1407-48
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

- Notes:
1. TCL = Target compound list. VOC = volatile organic compound. SVOC = semi-volatile organic compound. BNA = base neutral and acid extractable SVOCs. BN = base neutral SVOCs. PAHs = poly-nuclear aromatic hydrocarbons. PP = priority pollutant list compounds. Ba = Barium. Cr+6 = hexavalent chromium. TCLP = toxicity characteristic leaching procedure. RCRA = Resource Conservation and Recovery Act.
 2. All BNA analyses, all BN analyses, and all VOC analyses with the exception of analyses of 8 of the 11 samples of individual drum contents from MOA Area A included a library search for tentatively identified compounds.
 3. Matrix spike and matrix spike duplicate analysis was performed as appropriate for each parameter analyzed for each sample delivery group containing individual (not composite) soil and groundwater samples. The MS/MSD analysis was performed on site samples.

TABLE 2
Summary of Drums Removed From MOA Area A
General Motors Corporation - Delphi Interior & listing Systems
Trenton, New Jersey

DRUM NO.	DATE REMOVED	TIME REMOVED	CONTAINER TYPE	CONDITION OF DRUM	APPARENT DRUM CONTENTS	VOC READING
1	11/08/96	1200	55 - gal. drum	Small holes in sides	3/4 Barium Chromate Sludge	ND
2	11/08/96	1215	55 - gal. drum	No lid - partially crushed	2/3 Barium Chromate Sludge	ND
3	11/08/96	1230	55 - gal. drum	Small holes in side	2/3 Barium Chromate Sludge	ND
4	11/08/96	1245	55 - gal. drum	No lid - partially crushed	Black solid	400
5	11/08/96	1330	55 - gal. drum	Drum intact	2/3 Barium Chromate Sludge	ND
6	11/08/96	1345	55 - gal. drum	Drum intact	2/3 Barium Chromate Sludge	ND
7	11/11/96	1420	55 - gal. drum	No lid	1/2 Barium Chromate Sludge	ND
8	11/11/96	1440	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	ND
9	11/11/96	1500	55 - gal. drum	No lid - partially crushed	1/2 Barium Chromate Sludge	ND
10	11/12/96	1130	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	--
11	11/12/96	1138	55 - gal. drum	No lid - partially crushed	4/5 Barium Chromate Sludge	--
12	11/12/96	1145	55 - gal. drum	No lid - partially crushed	1/2 Barium Chromate Sludge	--
13	11/12/96	1152	55 - gal. drum	No lid - partially crushed	4/5 Barium Chromate Sludge	--
14	11/12/96	1158	55 - gal. drum	No lid - partially crushed	3/4 Barium Chromate Sludge	--
15	11/13/96	1245	55 - gal. drum	4" hole in lid top	black paint sludge	2500
16	11/13/96	1345	55 - gal. drum	1/3 of top rusted	black paint sludge	2500
17	11/14/96	1100	55 - gal. drum	No lid	2/3 Barium Chromate Sludge	1200
18	11/14/96	1105	55 - gal. drum	Drum intact	1/2 Barium Chromate Sludge	254
19	11/14/96	1115	55 - gal. drum	Hole in side	1/2 Barium Chromate Sludge	30
20	11/14/96	1134	55 - gal. drum	Rusted around bung hole	Black liquid	1800
21	11/14/96	1140	55 - gal. drum	No lid	Full of soil, ash, & Barium Chromate Sludge	25
22	11/14/96	1147	55 - gal. drum	No lid - partially crushed	Full of soil	2
23	11/14/96	1330	55 - gal. drum	Small hole in side	1/2 Barium Chromate Sludge	46
24	11/14/96	1335	55 - gal. drum	Small hole in side	3/4 Barium Chromate Sludge	28
25	11/14/96	1342	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	236
26	11/14/96	1345	55 - gal. drum	Half of top rusted away	1/2 black paint sludge	250
27	11/14/96	1350	55 - gal. drum	No lid - partially crushed	1/2 Barium Chromate Sludge - 1/3 wet soil	1370
28	11/14/96	1402	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge - 1/4 water	4
29	11/14/96	1417	55 - gal. drum	1/3 drum rusted away	Black sludge and soil	2
30	11/14/96	1426	55 - gal. drum	Slight leak at joint	1/2 Barium Chromate Sludge - 1/2 water	23
31	11/14/96	1431	55 - gal. drum	No lid	2/3 Barium Chromate Sludge and soil	55
32	11/14/96	1450	55 - gal. drum	No lid	2/3 Barium Chromate Sludge	80
33	11/14/96	1455	55 - gal. drum	Partially rusted lid	1/2 Barium Chromate Sludge - 1/3 water	3

TABLE 2
Summary of Drums Removed From MOA Area A
General Motors Corporation - Delphi Interior & Listing Systems
Trenton, New Jersey

DRUM NO.	DATE REMOVED	TIME REMOVED	CONTAINER TYPE	CONDITION OF DRUM	APPARENT DRUM CONTENTS	VOC READING
34	11/15/96	0947	55 - gal. drum	No lid	1/4 Barium Chromate Sludge- 1/2 soil	28
35	11/15/96	0948	55 - gal. drum	Drum intact	4/5 Barium Chromate Sludge	9
36	11/15/96	950	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	6
37	11/15/96	950	55 - gal. drum	No lid	2/3 Barium Chromate Sludge	5
38	11/15/96	952	55 - gal. drum	Drum intact	1/2 Barium Chromate Sludge	7
39	11/15/96	957	55 - gal. drum	Bung hole on side open	1/2 Barium Chromate Sludge- 1/4 water	95
40	11/15/96	1004	55 - gal. drum	Drum intact	1/5 Barium Chromate Sludge - 3/5 water	34
41	11/15/96	1005	55 - gal. drum	No lid	4/5 Barium Chromate Sludge - some soil	3
42	11/15/96	1010	55 - gal. drum	No lid	2/3 Barium Chromate Sludge	6
43	11/15/96	1015	55 - gal. drum	No lid	2/3 Barium Chromate Sludge	3
44	11/15/96	1019	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	20
45	11/15/96	1045	55 - gal. drum	Drum intact	1/2 Barium Chromate Sludge - 1/4 water	124
46	11/15/96	1055	55 - gal. drum	Partially crushed	4/5 Barium Chromate Sludge - trace water	1
47	11/15/96	1103	55 - gal. drum	Drum intact	1/2 water - trace sludge & Barium Chromate Sludge	560
48	11/15/96	1109	55 - gal. drum	Partially rusted lid	Full black paint sludge	1500
49	11/15/96	1349	55 - gal. drum	Partially crushed and no lid	Full soil and trace ash	ND
50	11/15/96	1353	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge - trace water	1
51	11/15/96	1357	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge - 1/4 water	ND
52	11/15/96	1359	55 - gal. drum	Small holes in top of lid	1/2 Barium Chromate Sludge- 1/4 water	68
53	11/15/96	1404	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	2
54	11/15/96	1409	55 - gal. drum	No lid	2/3 Barium Chromate Sludge- little soil	12
55	11/15/96	1410	55 - gal. drum	Bottom half rusted	3/4 Barium Chromate Sludge - 1/5 water	1700
56	11/15/96	1417	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	33
57	11/15/96	1420	55 - gal. drum	No lid	1/2 Barium Chromate Sludge	ND
58	11/15/96	1424	55 - gal. drum	No lid	1/3 Barium Chromate Sludge	3
59	11/15/96	1428	55 - gal. drum	No lid	1/2 Barium Chromate Sludge - 1/3 water	10
60	11/15/96	1430	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	19
61	11/18/96	1035	55 - gal. drum	Lid pushed in to drum	Full Barium Chromate Sludge	1
62	11/18/96	1052	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	7
63	11/18/96	1056	55 - gal. drum	Small hole in side	1/4 Barium Chromate Sludge - 1/4 water	4
64	11/18/96	1100	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	3
65	11/18/96	1103	55 - gal. drum	Drum intact	1/2 Barium Chromate Sludge-1/2 water	12
66	11/18/96	1108	55 - gal. drum	Partially rusted lid	2/3 Barium Chromate Sludge	2

TABLE 2
Summary of Drums Removed From MOA Area A
General Motors Corporation - Delphi Interior & listing Systems
Trenton, New Jersey

DRUM NO.	DATE REMOVED	TIME REMOVED	CONTAINER TYPE	CONDITION OF DRUM	APPARENT DRUM CONTENTS	VOC READING
67	11/18/96	1113	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	25
68	11/18/96	1117	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge - 1/4 water	12
69	11/18/96	1121	55 - gal. drum	Drum half rusted	1/2 soil - 1/4 Barium Chromate Sludge	--
70	11/18/96	1130	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	2
71	11/18/96	1136	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	1
72	11/18/96	1138	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	2
73	11/18/96	1141	55 - gal. drum	Drum intact	Full Barium Chromate Sludge	ND
74	11/18/96	1145	55 - gal. drum	Bung hole open	1/3 Barium Chromate Sludge	600
75	11/18/96	1427	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	2
76	11/18/96	1432	55 - gal. drum	No lid	1/2 Barium Chromate Sludge	5
77	11/18/96	1434	55 - gal. drum	Lid heavily rusted	1/2 Barium Chromate Sludge	ND
78	11/18/96	1435	55 - gal. drum	No lid	1/2 Barium Chromate Sludge	ND
79	11/18/96	1436	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	1
80	11/18/96	1440	55 - gal. drum	Drum intact	1/2 Barium Chromate Sludge- 1/2 water	ND
81	11/18/96	1443	55 - gal. drum	Partially rusted	1/2 Barium Chromate Sludge	ND
82	11/18/96	1448	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	2
83	11/18/96	1451	55 - gal. drum	Drum intact	1/2 Barium Chromate Sludge	ND
84	11/18/96	1453	55 - gal. drum	Drum intact	1/2 Barium Chromate Sludge	1
85	11/18/96	1455	55 - gal. drum	Small hole on side	1/2 Barium Chromate Sludge - 1/4 water	ND
86	11/18/96	1459	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	ND
87	11/18/96	1501	55 - gal. drum	Lid heavily rusted	3/4 Barium Chromate Sludge	ND
88	11/18/96	1502	55 - gal. drum	No lid	Full Barium Chromate Sludge	ND
89	11/18/96	1507	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	112
90	11/18/96	1511	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	40
91	11/18/96	1515	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	40
92	11/18/96	1520	55 - gal. drum	Drum intact	3/4 Barium Chromate Sludge	1
93	11/18/96	1524	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	ND
94	11/18/96	1526	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	40
95	11/18/96	1529	55 - gal. drum	No lid	1/2 Barium Chromate Sludge	1
96	11/18/96	1531	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	3
97	11/18/96	1537	55 - gal. drum	Heavily rusted	3/4 Barium Chromate Sludge	3
98	11/18/96	1538	55 - gal. drum	No lid	3/4 Barium Chromate Sludge	2

TABLE 2
Summary of Drums Removed From MOA Area A
General Motors Corporation - Delphi Interior & listing Systems
Trenton, New Jersey

Notes:

1. This table summarizes drum removal activities conducted in MOA Area A in November 1996.
Removal of drums was performed by Integrated Technology Services, Winslow, New Jersey.
2. Drum contents described above were the apparent contents of drums as observed by Haley & Aldrich personnel in the field.
3. VOC readings - apparent concentration of volatile organic compounds in parts per million in air in or above drum
as determined using a hand-held Photovac Microtip(tm) photo-ionization detector.

TABLE 3
Summary of Laboratory Analysis Results
MOA Area A - Drum Samples
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

Composite sample collected for Waste Characterization by TCLP:			
TCLP Metals (ug/L)	Drum Comp 12/23/96		Drum Comp 12/23/96 (dilution)
	Solids	Liquid	
Arsenic	27.9 B		5 U
Barium	511000		5 U
Cadmium	3 B		8 J
Chromium	934		5 U
Lead	46.8		5 U
Mercury	0.1 U		5 U
Selenium	15.6 U		5 U
Silver	9.2 B		5 J
			2300 E
			10 U
			200 U

Samples Collected From Individual Drums:		Drum 1 11/08/96	Drum 2 11/08/96	Drum 4 11/08/96	Drum 10 11/13/96	Drum 11 11/13/96	Drum 12 11/13/96	Drum 13 11/13/96	Drum 14 11/13/96	Drum 15 11/13/96	Drum 17 11/14/96	Drum 24 11/14/96
Metals (mg/kg dry wt)		Solids	Liquid									
Antimony		21 U		21 U								
Arsenic		17 U		17 U								
Barium		220000		640000								
Beryllium		0.87 U		0.84 U								
Cadmium		2.5		2.1								
Chromium		97000		64000								
Chromium, Hexavalent		2500		4600								
Copper		24		210								
Lead		25 U		8.4 U								
Mercury		0.21 U		0.22 U								
Nickel		120		94								
Selenium		17 U		17 U								
Silver		4.4 U		4.2 U								
Thallium		35 U		84								
Zinc		420		14000								
PCBs (mg/kg dry wt)												
Aroclor-1016		0.04 U		0.04 U								
Aroclor-1221		0.04 U		0.04 U								
Aroclor-1232		0.04 U		0.04 U								
Aroclor-1242		0.04 U		0.04 U								
Aroclor-1248		0.04 U		0.04 U								
Aroclor-1254		0.04 U		0.04 U								
Aroclor-1260		0.04 U		0.04 U								

TABLE 3
Summary of Laboratory Analysis Results
MOA Area A - Drum Samples
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

Samples Collected From Individual Drums:	Drum 1 11/08/96		Drum 2 11/08/96	Drum 4 11/08/96	Drum 10 11/13/96	Drum 11 11/13/96	Drum 12 11/13/96	Drum 13 11/13/96	Drum 14 11/13/96	Drum 15 11/13/96	Drum 17 11/14/96	Drum 24 11/14/96
	Solids											
	Liquid											
VOCs (mg/kg dry wt, except Drum 1 Liquid sample = mg/L)												
1,1,1,2-Tetrachloroethane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
1,1,1-Trichloroethane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.225 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
1,1,2,2-Tetrachloroethane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
1,1,2-Trichloroethane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
1,1-Dichloroethane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
1,1-Dichloroethene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
1,2-Dichloroethane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
1,2-Dichloropropane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
2-Butanone	2.7 U	1.3 U	2.8 U	160 U	0.05 U	2.5 U	0.05 U	1.3 U	1.3 U	12000 U	10 U	2.5 U
2-Hexanone	2.7 U	1.3 U	2.8 U	160 U	0.05 U	2.5 U	0.05 U	1.3 U	1.3 U	12000 U	10 U	2.5 U
4-Methyl-2-pentanone	2.7 U	1.3 U	36	160 U	0.05 U	2.5 U	0.05 U	1.3 U	1.3 U	12000 U	10 U	2.5 U
Acetone	2.7 U	1.3 U	43	160 U	0.038 U	2.5 U	0.05 U	1.3 U	1.3 U	12000 U	10 U	2.5 U
Benzene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Bromodichloromethane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.252 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Bromoform	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Bromomethane	2.7 U	1.3 U	2.8 U	160 U	0.05 U	2.5 U	0.05 U	1.3 U	1.3 U	12000 U	10 U	2.5 U
Carbon disulfide	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Carbon tetrachloride	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Chlorobenzene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Chloroethane	2.7 U	1.3 U	2.8 U	160 U	0.05 U	2.5 U	0.05 U	1.3 U	1.3 U	12000 U	10 U	2.5 U
Chloroform	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Chloromethane	1.3 U	1.3 U	2.8 U	160 U	0.05 U	2.5 U	0.05 U	1.3 U	1.3 U	12000 U	10 U	2.5 U
Dibromochloromethane	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Ethylbenzene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Methylene chloride	18 B	15 B	29 B	150 B	0.38 B	8.4 B	0.058 B	38 B	9.1 B	2E+05 B	260 B	19 B
Styrene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Tetrachloroethene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Toluene	1.3 U	0.63 U	790	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Trichloroethene	11	9.1	2.2	3400	0.053	4.6	0.016 J	16	11	5E+05	230	15
Trichlorofluoromethane	2.7 U	1.3 U	2.8 U	160 U	0.05 U	2.5 U	0.05 U	1.3 U	1.3 U	12000 U	10 U	2.5 U
Vinyl chloride	2.7	2.3	2.8 U	160 U	0.05 U	2.5 U	0.067	2.1	1.3 U	12000 U	10 U	2.5 U
Xylene (ortho)	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
Xylene (para & meta)	1.3 U	0.63 U	0.89 J	76 J	0.025 U	1.3 U	0.025 U	0.63 U	0.52 J	3600 J	5 U	1.3 U
cis-1,2-Dichloroethene	7.4	7.4	1.4 U	80 U	0.071	1.3 U	0.14	14	1 U	6000 U	5 U	1.3 U
cis-1,3-Dichloropropene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
trans-1,2-Dichloroethene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U
trans-1,3-Dichloropropene	1.3 U	0.63 U	1.4 U	80 U	0.025 U	1.3 U	0.025 U	0.63 U	0.63 U	6000 U	5 U	1.3 U

TABLE 3
Summary of Laboratory Analysis Results
MOA Area A - Drum Samples
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

Samples Collected From Individual Drums:	Drum 1 11/08/96		Drum 2 11/08/96	Drum 4 11/08/96	Drum 10 11/13/96	Drum 11 11/13/96	Drum 12 11/13/96	Drum 13 11/13/96	Drum 14 11/13/96	Drum 15 11/13/96	Drum 17 11/14/96	Drum 24 11/14/96
	Solids	Liquid										
SVOCs (mg/kg dry wt)												
1,2,4-Trichlorobenzene	0.33 U		0.33 U	0.33 U								
1,2-Dichlorobenzene	0.33 U		0.33 U	0.33 U								
1,3-Dichlorobenzene	0.33 U		0.33 U	0.33 U								
1,4-Dichlorobenzene	0.33 U		0.33 U	0.33 U								
2,4,5-Trichlorophenol	0.83 U		0.83 U	0.83 U								
2,4,6-Trichlorophenol	0.33 U		0.33 U	0.33 U								
2,4-Dichlorophenol	0.33 U		0.33 U	0.33 U								
2,4-Dimethylphenol	0.33 U		0.33 U	0.33 U								
2,4-Dinitrophenol	0.83 U		0.83 U	0.83 U								
2,4-Dinitrotoluene	0.33 U		0.33 U	0.33 U								
2,6-Dinitrotoluene	0.33 U		0.33 U	0.33 U								
2-Chloronaphthalene	0.33 U		0.33 U	0.33 U								
2-Chlorophenol	0.33 U		0.33 U	0.33 U								
2-Methylnaphthalene	0.33 U		0.33 U	0.76								
2-Methylphenol	0.33 U		0.33 U	0.33 U								
2-Nitroaniline	0.83 U		0.83 U	0.83 U								
2-Nitrophenol	0.33 U		0.33 U	0.33 U								
3,3'-Dichlorobenzidine	0.67 U		0.67 U	0.67 U								
3-Nitroaniline	0.83 U		0.83 U	0.83 U								
4,6-Dinitro-2-methylphenol	0.83 U		0.83 U	0.83 U								
4-Bromophenyl-phenylether	0.33 U		0.33 U	0.33 U								
4-Chloro-3-methylphenol	0.33 U		0.33 U	0.33 U								
4-Chloroaniline	0.33 U		0.33 U	0.33 U								
4-Chlorophenyl-phenylether	0.33 U		0.33 U	0.33 U								
4-Methylphenol	0.33 U		0.33 U	0.33 U								
4-Nitroaniline	0.83 U		0.83 U	0.83 U								
4-Nitrophenol	0.83 U		0.83 U	0.83 U								
Acenaphthene	0.33 U		0.33 U	0.33 U								
Acenaphthylene	0.33 U		0.33 U	0.33 U								
Anthracene	0.33 U		0.33 U	0.33 U								
Benzo[a]anthracene	0.33 U		0.33 U	0.33 U								
Benzo[a]pyrene	0.33 U		0.33 U	0.33 U								
Benzo[b]fluoranthene	0.33 U		0.33 U	0.33 U								
Benzo[g,h,i]perylene	0.33 U		0.33 U	0.33 U								
Benzo[k]fluoranthene	0.33 U		0.33 U	0.33 U								
Butylbenzylphthalate	0.33 U		0.33 U	0.33 U								
Carbazole	0.33 U		0.33 U	0.33 U								
Chrysene	0.33 U		0.33 U	0.33 U								
Di-n-butylphthalate	0.33 U		0.33 U	0.33 U								
Di-n-octylphthalate	0.33 U		0.33 U	0.33 U								
Dibenz[a,h]anthracene	0.33 U		0.33 U	0.33 U								

TABLE 3
Summary of Laboratory Analysis Results
MOA Area A - Drum Samples
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

Samples Collected From Individual Drums:	Drum 1 11/08/96		Drum 2 11/08/96	Drum 4 11/08/96	Drum 10 11/13/96	Drum 11 11/13/96	Drum 12 11/13/96	Drum 13 11/13/96	Drum 14 11/13/96	Drum 15 11/13/96	Drum 17 11/14/96	Drum 24 11/14/96
	Solids	Liquid										
SVOCs, continued (mg/kg dry wt)												
Dibenzofuran	0.33 U		0.33 U	0.33 U								
Diethylphthalate	0.33 U		0.33 U	0.33 U								
Dimethylphthalate	0.33 U		0.33 U	0.33 U								
Fluoranthene	0.33 U		0.33 U	0.33 U								
Fluorene	0.33 U		0.33 U	0.33 U								
Hexachlorobenzene	0.33 U		0.33 U	0.33 U								
Hexachlorobutadiene	0.33 U		0.33 U	0.33 U								
Hexachlorocyclopentadiene	0.33 U		0.33 U	0.33 U								
Hexachloroethane	0.33 U		0.33 U	0.33 U								
Indeno[1,2,3-cd]pyrene	0.33 U		0.33 U	0.33 U								
Isophorone	0.33 U		0.33 U	0.33 U								
N-Nitroso-Di-n-propylamine	0.33 U		0.33 U	0.33 U								
Naphthalene	0.33 U		0.33 U	5.1								
Nitrobenzene	0.33 U		0.33 U	0.33 U								
Pentachlorophenol	0.83 U		0.83 U	0.83 U								
Phenanthrene	0.33 U		0.33 U	0.33 U								
Phenol	0.33 U		0.33 U	0.33 U								
Pyrene	0.33 U		0.33 U	0.33 U								
bis(2-Chloroethoxy)methane	0.33 U		0.33 U	0.33 U								
bis(2-Chloroethyl)ether	0.33 U		0.33 U	0.33 U								
bis(2-Ethylhexyl)phthalate	0.33 U		0.33 U	5								
bis(2-chloroisopropyl)ether	0.33 U		0.33 U	0.33 U								
n-Nitrosodiphenylamine	0.33 U		0.33 U	0.33 U								
Ignitability	NI			NI								
Total Cyanide (mg/kg dry wt)	0.25 U		0.25 U	0.25 U								
Reactive Cyanide (mg/kg dry wt)	10 U			10 U								
Reactive Sulfide (mg/kg dry wt)	10 U			10 U								
pH	10.8			7.2								

Notes:

1. N = Spiked sample recovery not within control limits (inorganic analysis only).
2. B = Analyte found in associated blank as well as in sample.
3. J = Estimated value between the instrument detection limit and the PQL.
4. U = Compound was analyzed for but was not detected.
5. E = Concentration exceeds calibration range.
6. NI = not ignitable.
7. Individual drum samples analyzed by EMSL Analytical Inc., Westmont, NJ.
8. Drum Comp. analyzed by Katahdin Analytical Services, Westbrook, Maine.

TABLE 4

Summary of Laboratory Analysis Results

MOA Area A - Contaminated Soil

General Motors Corporation - Delphi Interior Lighting Systems

Trenton, New Jersey

Contaminated soil grab samples collected between drums in excavation:

	S1	S2	Duplicate 4	S7
	11/15/96	11/15/96	11/15/96	11/18/96
Compounds detected	(S2 dupl.)			
Total Metals (mg/kg dry wt)				
Antimony	17.1 UN	34.5 UN	35.1 UN	41.3 UN
Arsenic	1.7 U	1.7 U	1.8 J	2.1 U
Barium	41100	50100	40400	19400
Beryllium	0.11 U	0.11 U	0.15 J	0.16 J
Cadmium	0.22 U	0.23 U	0.23 U	0.27 U
Chromium	16200 *	18800 *	14500 *	3230 *
Copper	100	28	22.9	18.2 J
Cyanide	0.19 J	0.11 J	0.23 J	0.21 J
Lead	20.6	224	205	10.1
Mercury	0.02 J	0.02 J	0.02 J	0.05
Nickel	31.1 J	17.3 J	16 J	20.5 J
Selenium	2.6 U	2.6 U	2.6 U	3.1 U
Silver	1 U	1 U	1 U	1.2 U
Thallium	3 U	3 U	3.1 U	3.6 U
Zinc	1910	1660	1360	102
Cyanide, Total (mg/kg dry wt)	2 U	2 U	2 U	2 U
Total PCBs (mg/kg dry wt)				
PCB-1016	0.02 U	0.02 U	0.022 U	0.022 U
PCB-1221	0.04 U	0.04 U	0.043 U	0.043 U
PCB-1232	0.02 U	0.02 U	0.022 U	0.022 U
PCB-1242	0.02 U	0.02 U	0.022 U	0.022 U
PCB-1248	0.02 U	0.02 U	0.022 U	0.022 U
PCB-1254	0.02 U	0.02 U	0.022 U	0.022 U
PCB-1260	0.02 U	0.02 U	0.022 U	0.022 U
Total VOCs (mg/kg dry wt)				
1,1,1-Trichloroethane	0.15 U	0.15 U	0.16 U	0.17 U
1,1,2,2-Tetrachloroethane	0.15 U	0.15 U	0.16 U	0.17 U
1,1,2-Trichloroethane	0.15 U	0.15 U	0.16 U	0.17 U
1,1-Dichloroethane	0.15 U	0.15 U	0.16 U	0.17 U
1,1-Dichloroethene	0.15 U	0.15 U	0.16 U	0.17 U
1,2-Dichloroethane	0.15 U	0.15 U	0.16 U	0.17 U
1,2-Dichloropropane	0.15 U	0.15 U	0.16 U	0.17 U
2-Butanone	0.76 U	0.76 U	0.82 U	0.84 U
2-Hexanone	0.61 U	0.61 U	0.66 U	0.67 U
4-Methyl-2-pentanone	1.4	0.46 U	0.49 U	0.5 U
Acetone	0.37 J	0.76 U	0.82 U	0.48 J
Benzene	0.15 U	0.15 U	0.16 U	0.17 U
Bromodichloromethane	0.15 U	0.15 U	0.16 U	0.17 U
Bromoform	0.15 U	0.15 U	0.16 U	0.17 U
Bromomethane	0.3 U	0.3 U	0.33 U	0.33 U
Carbon disulfide	0.15 U	0.15 U	0.16 U	0.17 U
Carbon tetrachloride	0.15 U	0.15 U	0.16 U	0.17 U
Chlorobenzene	0.15 U	0.15 U	0.16 U	0.17 U
Chloroethane	0.3 U	0.3 U	0.33 U	0.33 U
Chloroform	0.15 U	0.15 U	0.16 U	0.17 U
Chloromethane	0.3 U	0.3 U	0.33 U	0.33 U
Dibromochloromethane	0.15 U	0.15 U	0.16 U	0.17 U
Ethylbenzene	0.15 U	0.15 U	0.16 U	0.17 U
Methylene chloride	2.6 B	0.5 B	0.27 B	3 B
Styrene	0.15 U	0.15 U	0.16 U	0.17 U
Tetrachloroethene	0.15 U	0.15 U	0.16 U	0.17 U
Toluene	0.15 U	0.15 U	0.16 U	0.17 U
Total Xylenes	0.48	0.15 U	0.16 U	0.28
Trichloroethene	4.7	0.54	0.16 U	7
Vinyl chloride	0.3 U	0.3 U	0.33 U	0.33 U
cis-1,2-Dichloroethene	0.088 J	0.3 U	0.33 U	2
cis-1,3-Dichloropropene	0.15 U	0.15 U	0.16 U	0.17 U
trans-1,2-Dichloroethene	0.3 U	0.3 U	0.33 U	0.33 U
trans-1,3-Dichloropropene	0.15 U	0.15 U	0.16 U	0.17 U

Composite soil sample collected from
roll-off boxes of excavated soil:

Compounds detected	Roll-off Comp 12/23/96
TCLP RCRA Metals (ug/L)	
Arsenic	30.8 J
Barium	9000
Cadmium	1.4 U
Chromium	455
Lead	15.3 J
Mercury	0.15 J
Selenium	15.6 U
Silver	17.6 J
TCLP RCRA VOCs (ug/L)	
1,1-Dichloroethene	5 U
1,2-Dichloroethane	5 U
2-Butanone	15 U
Benzene	5 U
Carbon Tetrachloride	5 U
Chlorobenzene	5 U
Chloroform	5 U
Tetrachloroethene	5 U
Trichloroethene	5 U
Vinyl chloride	10 U

TABLE 4

Summary of Laboratory Analysis Results

MOA Area A - Contaminated Soil

General Motors Corporation - Delphi Interior Lighting Systems

Trenton, New Jersey

Contaminated soil samples collected in excavation:	S1 11/15/96	S2 11/15/96	Duplicate 4 11/15/96 (S2 duplicate)	S7 11/18/96
Total SVOCs (mg/kg dry wt)				
1,2,4-Trichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U
1,3-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U
1,4-Dichlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrotoluene	0.33 U	0.33 U	0.33 U	0.33 U
2,6-Dinitrotoluene	0.33 U	0.33 U	0.33 U	0.33 U
2-Chloronaphthalene	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylnaphthalene	0.33 U	0.33 U	0.33 U	0.33 U
2-Nitroaniline	0.82 U	0.82 U	0.82 U	0.82 U
3,3'-Dichlorobenzidine	0.33 U	0.33 U	0.33 U	0.33 U
3-Nitroaniline	0.82 U	0.82 U	0.82 U	0.82 U
4-Bromophenyl phenyl ether	0.33 U	0.33 U	0.33 U	0.33 U
4-Chloroaniline	0.33 U	0.33 U	0.33 U	0.33 U
4-Chlorophenyl phenyl ether	0.33 U	0.33 U	0.33 U	0.33 U
4-Nitroaniline	0.82 U	0.82 U	0.82 U	0.82 U
Acenaphthene	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthylene	0.33 U	0.33 U	0.33 U	0.33 U
Anthracene	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)anthracene	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(a)pyrene	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(b)fluoranthene	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(g,h,i)perylene	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(k)fluoranthene	0.33 U	0.33 U	0.33 U	0.33 U
Butyl benzylphthalate	0.33 U	0.33 U	0.33 U	0.33 U
Carbazole	0.33 U	0.33 U	0.33 U	0.33 U
Chrysene	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-butylphthalate	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-octylphthalate	0.33 U	0.33 U	0.33 U	0.33 U
Dibenzo(a,h)anthracene	0.33 U	0.33 U	0.33 U	0.33 U
Dibenzofuran	0.33 U	0.33 U	0.33 U	0.33 U
Diethylphthalate	0.33 U	0.33 U	0.33 U	0.33 U
Dimethylphthalate	0.33 U	0.33 U	0.33 U	0.33 U
Fluoranthene	0.33 U	0.33 U	0.33 U	0.33 U
Fluorene	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorobenzene	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorobutadiene	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorocyclopentadiene	0.33 U	0.33 U	0.33 U	0.33 U
Hexachloroethane	0.33 U	0.33 U	0.33 U	0.33 U
Indeno(1,2,3-cd)pyrene	0.33 U	0.33 U	0.33 U	0.33 U
Isophorone	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	0.33 U	0.33 U	0.33 U	0.33 U
Nitrobenzene	0.33 U	0.33 U	0.33 U	0.33 U
Phenanthrene	0.33 U	0.33 U	0.33 U	0.33 U
Pyrene	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Chloroethoxy)methane	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Chloroethyl)ether	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Chloroisopropyl)ether	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Ethylhexyl)phthalate	0.33 U	0.33 U	0.33 U	0.33 U
n-Nitroso-dipropylamine	0.33 U	0.33 U	0.33 U	0.33 U
n-Nitrosodiphenylamine	0.33 U	0.33 U	0.33 U	0.33 U
Solids-Total Residue (% wt)	82	83	76	75

Notes:

1. N = Spiked sample recovery not within control limits (inorganic analysis only).
2. B = Analyte found in associated blank as well as in sample.
3. J = Estimated value between the instrument detection limit and the PQL.
4. U = Compound was analyzed for but was not detected.
5. * = Duplicate analysis not within control limits.
6. E = Concentration exceeds calibration range.
7. Samples S1, S2, Duplicate 4, and S7 analyzed by EMSL Analytical Inc., Westmont, New Jersey.
8. Roll-off Comp. analyzed by Katahdin Analytical Services, Westbrook, Maine.

TABLE 5

Summary of Laboratory Analysis Results
MOA Area A - Excavation Water Samples
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

	Samples from excavation			Samples from water-collection tanks		
	Excavation Water 11/08/96	MOA-A Excav S1 (dilution)	MOA-A Excav S2 (dilution)	Tank Water (1st tank filled) 11/18/96 (dilution)	MOA-A-T2 (2nd tank filled) 12/04/96 (dilution)	MOA-A-T3 (3rd tank filled) 12/03/96 (dilution)
Total VOCs (ug/L)						
1,1,1-Trichloroethane	2500 U	1 U	20 U	1 U	500 U	1 U
1,1,2,2-Tetrachloroethane	2500 U	1 U	20 U	1 U	500 U	1 U
1,1,2,2-Trichloroethane	2500 U	7	20 U	190	500 U	3
1,1-Dichloroethane	2500 U	1 U	20 U	1 U	500 U	1 U
1,1-Dichloroethane	2500 U	4	3 J	22	500 U	2
1,2-Dichloroethane	2500 U	1 U	20 U	1 U	500 U	1 U
1,2-Dichloropropane	2500 U	1 U	20 U	1 U	500 U	1 U
2-Butanone	5000 U	5 U	100 U	5 U	2500 U	5 U
2-Hexanone	5000 U	4 U	80 U	4 U	2000 U	4 U
4-Methyl-2-pentanone	5000 U	6	60 U	360 E	1500 U	3
Acetone	5000 U	9	77 J	12	2500 U	17 B
Benzene	2500 U	1 U	20 U	1 U	500 U	9 JB
Bromodichloromethane	2500 U	1 U	20 U	1 U	500 U	1 U
Bromoform	2500 U	1 U	20 U	1 U	500 U	1 U
Bromomethane	5000 U	2 U	40 U	2 U	1000 U	2 U
Carbon disulfide	2500 U	1 U	20 U	1 U	500 U	2 U
Carbon tetrachloride	2500 U	1 U	20 U	1 U	500 U	1 U
Chlorobenzene	2500 U	1 U	20 U	1 U	500 U	1 U
Chloroethane	5000 U	2 U	40 U	3	1000 U	2 U
Chloroform	2500 U	3	2 J	20	500 U	2
Chloromethane	5000 U	2 U	40 U	2 U	1000 U	2 U
Dibromochloromethane	2500 U	1 U	20 U	1 U	500 U	2 U
Ethylbenzene	2500 U	9	9 J	210 E	290 J	3
Methylene chloride	39000 B	1100 BE	1200 B	14000 BE	51000 B	420 EB
Styrene	2500 U	1 U	20 U	1 U	500 U	1 U
Tetrachloroethene	2500 U	2	20 U	18	500 U	0.7 J
Toluene	2500 U	7	8 J	170	500 U	2
Total Xylenes	2500 U	41	36	890 E	1100	4
Trichlorofluoromethane	5000 U	(NA)	(NA)	(NA)	(NA)	(NA)
Trichloroethene	170000	2200 E	2000 E	5000 E	58000 B	1100 E
Vinyl chloride	5000 U	250 E	170	630 E	440 J	96
cis-1,2-Dichloroethene	17000	590 E	400 E	2400 E	3200	230 E
cis-1,3-Dichloropropene	2500 U	1 U	20 U	1 U	500 U	1 U
trans-1,2-Dichloroethene	2500 U	1 J	40 U	11	1000 U	0.5 J
trans-1,3-Dichloropropene	2500 U	1 U	20 U	1 U	500 U	1 U

TABLE 5, CONTINUED

	Samples from excavation		Samples from water-collection tanks			
	Excavation Water	MOA-A Excav S1	MOA-A Excav S2	Tank Water (1st tank filled)	MOA-A-T2 (2nd tank filled)	MOA-A-T3 (3rd tank filled)
	11/08/96	11/21/96	(NA)	(NA)	12/03/96	(dilution)
Total SVOCs (ug/L)						
1,2,4-Trichlorobenzene	100 U	(NA)	(NA)	(NA)	(NA)	(NA)
1,2-Dichlorobenzene	100 U					
1,3-Dichlorobenzene	100 U					
1,4-Dichlorobenzene	100 U					
2,4,5-Trichlorophenol	250 U					
2,4,6-Trichlorophenol	100 U					
2,4-Dichlorophenol	100 U					
2,4-Dimethylphenol	100 U					
2,4-Dinitrophenol	250 U					
2,4-Dinitrotoluene	100 U					
2,6-Dinitrotoluene	100 U					
2-Chloronaphthalene	100 U					
2-Chlorophenol	100 U					
2-Methinaphthalene	100 U					
2-Methylphenol	100 U					
2-Nitroaniline	250 U					
2-Nitrophenol	100 U					
3,3'-Dichlorobenzidine	200 U					
3-Nitroaniline	250 U					
4,6-Dinitro-2-methylphenol	250 U					
4-Bromophenyl-phenylether	100 U					
4-Chloro-3-methylphenol	100 U					
4-Chloroaniline	100 U					
4-Chlorophenyl-phenylether	100 U					
4-Methylphenol	100 U					
4-Nitroaniline	250 U					
4-Nitrophenol	250 U					
Acenaphthene	100 U					
Acenaphthylene	100 U					
Anthracene	100 U					
Benzo[a]anthracene	100 U					
Benzo[a]pyrene	100 U					
Benzo[b]fluoranthene	100 U					
Benzo[g,h,i]perylene	100 U					
Benzo[k]fluoranthene	100 U					
Butylbenzylphthalate	100 U					
Carbazole	100 U					
Chrysene	100 U					
Di-n-butylphthalate	100 U					
Di-n-octylphthalate	100 U					
Dibenz[a,h]anthracene	100 U					
Dibenzofuran	100 U					
Diethylphthalate	100 U					
Dimethylphthalate	100 U					
Fluoranthene	100 U					

TABLE 5, CONTINUED

		Samples from excavation		Samples from water-collection tanks			
		Excavation Water	MOA-A Excav S1	MOA-A Excav S2	Tank Water	MOA-A-T2	MOA-A-T3
		11/08/96	11/21/96 (dilution)	11/21/96 (dilution)	11/18/96 (dilution)	12/04/96 (dilution)	12/03/96 (dilution)
		(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total SVOCs (ug/L)							
Fluorene	100 U						
Hexachlorobenzene	100 U						
Hexachlorobutadiene	100 U						
Hexachlorocyclopentadiene	100 U						
Hexachloroethane	100 U						
Indeno[1,2,3-cd]pyrene	100 U						
Isophorone	100 U						
N-Nitroso-Di-n-propylamine	100 U						
Naphthalene	35 J						
Nitrobenzene	100 U						
Pentachlorophenol	250 U						
Phenanthrene	100 U						
Phenol	100 U						
Pyrene	100 U						
bis(2-Chloroethoxy)methane	100 U						
bis(2-Chloroethyl)ether	100 U						
bis(2-Ethylhexyl)phthalate	100 U						
bis(2-chloroisopropyl)ether	100 U						
n-Nitrosodiphenylamine	100 U						
Total PCBs (ug/L)							
Arochlor-1016	9 U	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Arochlor-1221	9 U						
Arochlor-1232	9 U						
Arochlor-1242	9 U						
Arochlor-1248	9 U						
Arochlor-1254	9 U						
Arochlor-1260	9 U						
Total Cyanide (ug/L)	840	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total Metals (ug/L)							
Antimony	5 U	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Arsenic	10 U						
Barium	900000						
Beryllium	5 U						
Cadmium	10 U						
Chromium	400						
Copper	25 U						
Lead	50 U						
Mercury	6.4						
Nickel	88						
Selenium	5 U						
Silver	25 U						
Thallium	200 U						
Zinc	200						

Notes:

1. B = Analyte found is associated blank as well as in sample.
2. J = Estimated value between the instrument detection limit and the PQL.
3. U = Compound was analyzed for but was not detected.
4. E = Concentration exceeds the calibration range.
5. NA = not analyzed.
6. "Excavation Water" (11/08/96) analyzed by EMSL Analytical Inc., Westmont, NJ.
7. All other samples analyzed by Katahdin Analytical Services, Westbrook, Maine.

TABLE 6

Summary of Laboratory Analysis Results

MOA Area A

Post-Excavation Confirmation Soil Samples and Clean-Soil-Pile Samples

General Motors Corporation - Delphi Interior Lighting Systems

Trenton, New Jersey

Post Excavation Confirmation Samples: MOA-A-...									
Sample number:	CONFS1	CONFS2	CONFS3	CONFS4	CONFS5	CONFS6	CONFS7	CONFS8	CONFS9
Sample depth:	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.5')
Date sampled:	11/20/96	11/20/96	11/20/96	11/20/96	11/20/96	11/20/96	11/20/96	11/20/96	12/03/96
Metals (mg/kg dry wt)									
Antimony	0.19 UN	0.19 UN	0.18 UN	0.18 UN	0.18 UN	0.2 UN	0.18 UN	0.19 UN	
Arsenic	0.5 J	1.1	0.58 J	0.38 J	0.82	0.57 J	0.54 J	0.65 J	
Barium	120	75.3	37.9	28.9	130	62.7	37.7	49.9	75.7
Beryllium	0.18 J	0.4 J	0.17 J	0.16 J	0.19 J	0.29 J	0.2 J	0.26 J	
Cadmium	0.22 UN	0.22 UN	0.21 UN	0.21 UN	0.21 UN	0.24 UN	0.22 UN	0.23 UN	
Chromium	1.9 N	22.5 N	33.8 N	4.2 N	5.1 N	3.7 N	11.5 N	12.3 N	
Copper	1.2 J	2 J	2.4	2.6	9.2	4.4	2.1 J	2.2 J	
Lead	0.53	0.98	0.46	0.69	1.1	1.1	0.72	0.87	
Mercury	0.02 U	0.02 U	0.02 U	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	
Nickel	3.4 J	7.9	3.7	2.7 J	4.5	4.4	5.4	6	
Selenium	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.3 U	0.28 U	0.29 U	
Silver	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	
Thallium	0.33 U	0.33 U	0.32 U	0.32 U	0.32 U	0.36 U	0.32 U	0.34 U	
Zinc	1.7 J	5.3	3.1	1.5 J	4.1	5.3	2.8	2.8	
Total Cyanide (mg/kg dry wt)	0.17 J	0.2 J	0.24 J	0.18 J	0.12 J	0.14 J	0.08 U	0.21 J	
PCBs (mg/kg dry wt)									
PCB-1016	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.022 U	0.02 U	0.02 U	
PCB-1221	0.04 U	0.04 U	0.04 U	0.036 U	0.04 U	0.043 U	0.04 U	0.04 U	
PCB-1232	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.022 U	0.02 U	0.02 U	
PCB-1242	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.022 U	0.02 U	0.02 U	
PCB-1248	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.022 U	0.02 U	0.02 U	
PCB-1254	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.022 U	0.02 U	0.02 U	
PCB-1260	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.022 U	0.02 U	0.02 U	
VOCs and SVOCs (mg/kg dry wt)									
1,1,1-Trichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
1,1,2,2-Tetrachloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
1,1,2-Trichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
1,1-Dichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
1,1-Dichloroethene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
1,2,4-Trichlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
1,2-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
1,2-Dichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
1,2-Dichloropropane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
1,3-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
1,4-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
2,4-Dinitrotoluene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
2,6-Dinitrotoluene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
2-Butanone	0.77 U	0.75 U	0.73 U	0.71 U	0.77 U	0.79 U	0.74 U	0.77 U	
2-Chloronaphthalene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
2-Hexanone	0.62 U	0.6 U	0.58 U	0.57 U	0.62 U	0.63 U	0.59 U	0.61 U	
2-Methylnaphthalene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
2-Nitroaniline	0.98 U	0.98 U	0.98 U	0.9 U	0.98 U	1.1 U	0.98 U	0.98 U	
3,3'-Dichlorobenzidine	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
3-Nitroaniline	0.98 U	0.98 U	0.98 U	0.9 U	0.98 U	1.1 U	0.98 U	0.98 U	
4-Bromophenyl phenyl ether	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
4-Chloroaniline	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
4-Chlorophenyl phenyl ether	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
4-Methyl-2-pentanone	0.46 U	0.45 U	0.44 U	0.43 U	0.46 U	0.47 U	0.44 U	0.46 U	
4-Nitroaniline	0.98 U	0.98 U	0.98 U	0.9 U	0.98 U	1.1 U	0.98 U	0.98 U	
Acenaphthene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
Acenaphthylene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
Acetone	0.77 U	0.75 U	0.73 U	0.25 JB	0.77 U	0.79 U	0.74 U	0.77 U	
Anthracene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
Benzene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
Benzo(a)anthracene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
Benzo(a)pyrene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
Benzo(b)fluoranthene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
Benzo(g,h,i)perylene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
Benzo(k)fluoranthene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	
Bromodichloromethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
Bromoform	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	
Bromomethane	0.31 U	0.3 U	0.29 U	0.28 U	0.31 U	0.32 U	0.29 U	0.31 U	
Butyl benzylphthalate	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U	

TABLE 6

Summary of Laboratory Analysis Results

MOA Area A

Post-Excavation Confirmation Soil Samples

and Clean-Soil-Pile Samples

General Motors Corporation - Delphi Interior Lighting Systems

Trenton, New Jersey

Post Excavation Confirmation Samples: MOA-A-...								
Sample number:	CONFS1	CONFS2	CONFS3	CONFS4	CONFS5	CONFS6	CONFS7	CONFS8
Sample depth:	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.0-7.5')	(7.5')
Date sampled:	11/20/96	11/20/96	11/20/96	11/20/96	11/20/96	11/20/96	11/20/96	12/03/96
VOCs and SVOCs, continued (mg/kg dry wt)								
Carbazole	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Carbon disulfide	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Carbon tetrachloride	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Chlorobenzene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Chloroethane	0.31 U	0.3 U	0.29 U	0.28 U	0.31 U	0.32 U	0.29 U	0.31 U
Chloroform	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Chloromethane	0.31 U	0.3 U	0.29 U	0.28 U	0.31 U	0.32 U	0.29 U	0.31 U
Chrysene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Di-n-butylphthalate	0.4 U	0.4 U	0.058 J	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Di-n-octylphthalate	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Dibenzo(a,h)anthracene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Dibenzofuran	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Dibromochloromethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Diethylphthalate	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Dimethylphthalate	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Ethylbenzene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Fluoranthene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Fluorene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Hexachlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Hexachlorobutadiene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Hexachlorocyclopentadiene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Hexachloroethane	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Indeno(1,2,3-cd)pyrene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Isophorone	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Methylene chloride	0.24 B	0.3 B	0.34 B	0.44 B	0.39 B	0.37 B	0.36 B	0.38 B
Naphthalene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Nitrobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Phenanthrene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Pyrene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
Styrene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Tetrachloroethene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Toluene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Total Xylenes	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Trichloroethene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Vinyl chloride	0.31 U	0.3 U	0.29 U	0.28 U	0.31 U	0.32 U	0.29 U	0.31 U
bis(2-Chloroethoxy)methane	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
bis(2-Chloroethyl)ether	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
bis(2-Chloroisopropyl)ether	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
bis(2-Ethylhexyl)phthalate	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	0.31 U	0.3 U	0.29 U	0.28 U	0.31 U	0.32 U	0.082 J	0.31 U
cis-1,3-Dichloropropene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
n-Nitroso-dipropylamine	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
n-Nitrosodiphenylamine	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.43 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	0.31 U	0.3 U	0.29 U	0.28 U	0.31 U	0.32 U	0.29 U	0.31 U
trans-1,3-Dichloropropene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U
Solids-Total Residue (wt %)	81	83	86	88	81	79	85	82

TABLE 6

Summary of Laboratory Analysis Results

MOA Area A

Post-Excavation Confirmation Soil Samples and Clean-Soil-Pile Samples

General Motors Corporation - Delphi Interior Lighting Systems

Trenton, New Jersey

Sample number: Sample depth: Date sampled:	Clean-Soil-Pile Samples: MOA-A-...					
	CS1	CS2	CS3	CS4	CS5	CS6
	(--)	(--)	(--)	(--)	(--)	(--)
	11/19/96	11/19/96	11/19/96	11/19/96	11/19/96	11/19/96
Metals (mg/kg dry wt)						
Antimony	0.19 UN	0.19 UN	0.19 UN	0.17 UN	0.19 UN	0.19 UN
Arsenic	5.3	6	5.3	5.8	4.2	3.9
Barium	88.4	80.7	103	63.7	124	112
Beryllium	0.68	0.68	0.86	0.59	0.56	0.53
Cadmium	0.22 UN	0.22 UN	0.22 UN	0.2 UN	0.22 UN	0.22 UN
Chromium	20.4 N	20.4 N	17 N	21.2 N	30 N	26.4 N
Copper	11	10.4	7.4	8.3	8.5	9
Lead	26.1	11	19.1	10.8	12.4	12.9
Mercury	0.04	0.03 J	0.06	0.03 J	0.03 J	0.04
Nickel	12.4	12.6	11.9	11.2	10.5	10.4
Selenium	0.28 U	0.28 U	0.28 U	0.26 U	0.28 U	0.28 U
Silver	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U
Thallium	0.33 U	0.33 U	0.33 U	0.3 U	0.33 U	0.33 U
Zinc	42	37.7	45.3	33.2	34.6	29.7
Total Cyanide (mg/kg dry wt)	0.09 U	0.1 J	0.1 J	0.08 U	0.08 U	0.1 J
PCBs (mg/kg dry wt)						
PCB-1016	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U
PCB-1221	0.04 U	0.04 U	0.04 U	0.036 U	0.04 U	0.04 U
PCB-1232	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U
PCB-1242	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U
PCB-1248	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U
PCB-1254	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U
PCB-1260	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U
VOCs and SVOCs (mg/kg dry wt)						
1,1,1-Trichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
1,1,2,2-Tetrachloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
1,1,2-Trichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
1,1-Dichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
1,1-Dichloroethene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
1,2,4-Trichlorobenzene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
1,2-Dichlorobenzene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
1,2-Dichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
1,2-Dichloropropane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
1,3-Dichlorobenzene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
1,4-Dichlorobenzene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
2,4-Dinitrotoluene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
2,6-Dinitrotoluene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
2-Butanone	0.74 U	0.77 U	0.76 U	0.7 U	0.74 U	0.75 U
2-Chloronaphthalene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
2-Hexanone	0.59 U	0.62 U	0.61 U	0.56 U	0.59 U	0.6 U
2-Methylnaphthalene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
2-Nitroaniline	0.98 U	0.98 U	0.98 U	4.6 U	0.98 U	0.98 U
3,3'-Dichlorobenzidine	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
3-Nitroaniline	0.98 U	0.98 U	0.98 U	4.6 U	0.98 U	0.98 U
4-Bromophenyl phenyl ether	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
4-Chloroaniline	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
4-Chlorophenyl phenyl ether	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
4-Methyl-2-pentanone	0.44 U	0.46 U	0.46 U	0.42 U	0.44 U	0.45 U
4-Nitroaniline	0.98 U	0.98 U	0.98 U	4.6 U	0.98 U	0.98 U
Acenaphthene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Acenaphthylene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Acetone	0.74 U	0.3 JB	0.76 U	0.14 JB	0.74 U	0.75 U
Anthracene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Benzene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Benzo(a)anthracene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Benzo(a)pyrene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Benzo(b)fluoranthene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Benzo(g,h,i)perylene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Benzo(k)fluoranthene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Bromodichloromethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Bromoform	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Bromomethane	0.29 U	0.31 U	0.3 U	0.28 U	0.29 U	0.3 U
Butyl benzylphthalate	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U

TABLE 6

Summary of Laboratory Analysis Results

MOA Area A

Post-Excavation Confirmation Soil Samples

and Clean-Soil-Pile Samples

General Motors Corporation - Delphi Interior Lighting Systems

Trenton, New Jersey

Sample number: Sample depth: Date sampled:	Clean-Soil-Pile Samples: MOA-A-...					
	CS1	CS2	CS3	CS4	CS5	CS6
	(--)	(--)	(--)	(--)	(--)	(--)
	11/19/96	11/19/96	11/19/96	11/19/96	11/19/96	11/19/96
VOCs and SVOCs, continued (mg/kg dry wt)						
Carbazole	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Carbon disulfide	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Carbon tetrachloride	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Chlorobenzene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Chloroethane	0.29 U	0.31 U	0.3 U	0.28 U	0.29 U	0.3 U
Chloroform	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Chloromethane	0.29 U	0.31 U	0.3 U	0.28 U	0.29 U	0.3 U
Chrysene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Di-n-butylphthalate	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Di-n-octylphthalate	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Dibenzo(a,h)anthracene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Dibenzofuran	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Dibromochloromethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Diethylphthalate	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Dimethylphthalate	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Ethylbenzene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Fluoranthene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Fluorene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Hexachlorobenzene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Hexachlorobutadiene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Hexachlorocyclopentadiene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Hexachloroethane	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Indeno(1,2,3-cd)pyrene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Isophorone	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Methylene chloride	0.38 B	0.4 B	0.44 B	0.39 B	0.19 B	0.38 B
Naphthalene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Nitrobenzene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Phenanthrene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Pyrene	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Styrene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Tetrachloroethene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Toluene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Total Xylenes	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Trichloroethene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Vinyl chloride	0.29 U	0.31 U	0.3 U	0.28 U	0.29 U	0.3 U
bis(2-Chloroethoxy)methane	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
bis(2-Chloroethyl)ether	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
bis(2-Chloroisopropyl)ether	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
bis(2-Ethylhexyl)phthalate	0.4 U	0.4 U	0.048 J	1.8 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	0.29 U	0.31 U	0.3 U	0.28 U	0.29 U	0.3 U
cis-1,3-Dichloropropene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
n-Nitroso-dipropylamine	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
n-Nitrosodiphenylamine	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	0.29 U	0.31 U	0.3 U	0.28 U	0.29 U	0.3 U
trans-1,3-Dichloropropene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U
Solids-Total Residue (wt %)	85	81	82	90	85	84

Notes:

1. N = Spiked sample recovery not within control limits (inorganic analysis only).
2. B = Analyte found in associated blank as well as in sample.
3. J = Estimated value between the instrument detection limit and the PQL.
4. U = Compound was analyzed for but was not detected.
5. Samples analyzed by Katahdin Analytical Services, Westbrook, Maine.

TABLE 7

Summary of Laboratory Analysis Results

MOA Area A Groundwater Samples

General Motors Corporation - Delphi Interior Lighting Systems

Trenton, New Jersey

	02/20/97		03/06/97	
	MW-21	MW-210 (MW-21 dup)	MW-21	MW-210 (MW-21 dup)
Metals (ug/L)				
Antimony	5 U	5 U	5 U	5 U
Arsenic	5 U	5 U	5 U	5 U
Barium	510	430	280	260
Beryllium	10 U	10 U	10 U	10 U
Cadmium	20 U	20 U	0.82	23
Chromium	50 U	50 U	50 U	50 U
Copper	69	59	50 U	50 U
Lead	14	16	9.6	6.2
Mercury	0.2 U	0.2 U	0.22	0.2 U
Nickel	50 U	50 U	50 U	50 U
Selenium	25 U	25 U	5 U	5 U
Silver	50 U	50 U	50 U	50 U
Thallium	5 U	5 U	5 U	5 U
Zinc	110	86	200 U	200 U
Total Cyanide (ug/L)	10 U	10 U	10 U	10 U
PCBs (ug/L)				
Aroclor-1016	0.5 U	0.5 U	0.65	0.5 U
Aroclor-1221	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1248	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260	0.5 U	0.5 U	0.5 U	0.5 U
VOCs (ug/L)				
1,1,1,2-Tetrachloroethane	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U
Benzene	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U
Bromomethane	10 U	10 U	10 U	10 U
Carbon disulfide	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Chloroethane	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U
Dibromochloromethane	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Methylene chloride	7 B	7 B	5 JB	4 JB
Styrene	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U
Trichloroethene	94	89	48	48
Trichlorofluoromethane	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	10 U	10 U	10 U
Xylene (ortho)	5 U	5 U	5 U	5 U
Xylene (para & meta)	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	17	16	10	9
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U

Notes:

1. B = Analyte found in associated blank as well as in sample.
2. J = Estimated value between detection limit and the P
3. U = Compound analyzed but
4. Samples analyzed by EMSL Westmont, New Jersey.

TABLE 7

Summary of Laboratory Analysis Results

MOA Area A - Groundwater Sample Analysis Results

	02/20/97		03/06/97	
	MW-21	MW-210 (MW-21 dup)	MW-21	MW-210 (MW-21 dup)
SVOCs (ug/L)				
1,2,4-Trichlorobenzene	8 U	8 U	8 U	8 U
1,2-Dichlorobenzene	8 U	8 U	8 U	8 U
1,3-Dichlorobenzene	8 U	8 U	8 U	8 U
1,4-Dichlorobenzene	8 U	8 U	8 U	8 U
2,4,5-Trichlorophenol	21 U	21 U	21 U	21 U
2,4,6-Trichlorophenol	8 U	8 U	8 U	8 U
2,4-Dichlorophenol	8 U	8 U	8 U	8 U
2,4-Dimethylphenol	8 U	8 U	8 U	8 U
2,4-Dinitrophenol	21 U	21 U	21 U	21 U
2,4-Dinitrotoluene	8 U	8 U	8 U	8 U
2,6-Dinitrotoluene	8 U	8 U	8 U	8 U
2-Chloronaphthalene	8 U	8 U	8 U	8 U
2-Chlorophenol	8 U	8 U	8 U	8 U
2-Methlnaphthalene	8 U	8 U	8 U	8 U
2-Methylphenol	8 U	8 U	8 U	8 U
2-Nitroaniline	21 U	21 U	21 U	21 U
2-Nitrophenol	8 U	8 U	8 U	8 U
3,3'-Dichlorobenzidine	17 U	17 U	17 U	17 U
3-Nitroaniline	21 U	21 U	21 U	21 U
4,6-Dinitro-2-methylphenol	21 U	21 U	21 U	21 U
4-Bromophenyl-phenylether	8 U	8 U	8 U	8 U
4-Chloro-3-methylphenol	8 U	8 U	8 U	8 U
4-Chloroaniline	8 U	8 U	8 U	8 U
4-Chlorophenyl-phenylether	8 U	8 U	8 U	8 U
4-Methylphenol	8 U	8 U	8 U	8 U
4-Nitroaniline	21 U	21 U	21 U	21 U
4-Nitrophenol	21 U	21 U	21 U	21 U
Acenaphthene	8 U	8 U	8 U	8 U
Acenaphthylene	8 U	8 U	8 U	8 U
Anthracene	8 U	8 U	8 U	8 U
Benzo[a]anthracene	8 U	8 U	8 U	8 U
Benzo[a]pyrene	8 U	8 U	8 U	8 U
Benzo[b]fluoranthene	8 U	8 U	8 U	8 U
Benzo[g,h,i]perylene	8 U	8 U	8 U	8 U
Benzo[k]fluoranthene	8 U	8 U	8 U	8 U
Butylbenzylphthalate	8 U	8 U	8 U	8 U
Carbazole	8 U	8 U	8 U	8 U
Chrysene	8 U	8 U	8 U	8 U
Di-n-butylphthalate	8 U	8 U	8 U	8 U
Di-n-octylphthalate	8 U	8 U	8 U	8 U
Dibenz[a,h]anthracene	8 U	8 U	8 U	8 U
Dibenzofuran	8 U	8 U	8 U	8 U
Diethylphthalate	8 U	8 U	8 U	8 U
Dimethylphthalate	8 U	8 U	8 U	8 U
Fluoranthene	8 U	8 U	8 U	8 U
Fluorene	8 U	8 U	8 U	8 U
Hexachlorobenzene	8 U	8 U	8 U	8 U
Hexachlorobutadiene	8 U	8 U	8 U	8 U
Hexachlorocyclopentadiene	8 U	8 U	8 U	8 U
Hexachloroethane	8 U	8 U	8 U	8 U
Indeno[1,2,3-cd]pyrene	8 U	8 U	8 U	8 U
Isophorone	8 U	8 U	8 U	8 U
N-Nitroso-Di-n-propylamine	8 U	8 U	8 U	8 U
Naphthalene	8 U	8 U	8 U	8 U
Nitrobenzene	8 U	8 U	8 U	8 U
Pentachlorophenol	21 U	21 U	21 U	21 U
Phenanthrene	8 U	8 U	8 U	8 U
Phenol	8 U	8 U	8 U	8 U
Pyrene	8 U	8 U	8 U	8 U
bis(2-Chloroethoxy)methane	8 U	8 U	8 U	8 U
bis(2-Chloroethyl)ether	8 U	8 U	8 U	8 U
bis(2-Ethylhexyl)phthalate	8 U	8 U	4 J	1 J
bis(2-chloroisopropyl)ether	8 U	8 U	8 U	8 U
n-Nitrosodiphenylamine	8 U	8 U	8 U	8 U

TABLE 8
Summary of Laboratory Analysis Results
MOA Area B Post-Excavation Soil Samples
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

Former Oil/Water Separator (MOA-B...)

	S1 (10.0') 12/04/96	S2** (10.0') 12/04/96	S3 (10.0') 12/04/96	S4 (10.0') 12/04/96	S5 (10.0') 12/05/96	S6 (10.0') 12/05/96	S7 (10.0') 12/05/96	S8 (10.0') 12/05/96	S9 (10.0') 12/10/96
Metals (mg/kg dry wt)									
Antimony	0.2 UN	** - See	0.16 UN	0.19 UN	0.17 UN	0.19 UN	0.18 UN	0.19 UN	0.19 UN
Arsenic	5.7	notes	3.1	3.1	1.5	2.4	2.2	2.6	2.8
Barium	108 N*	at end of	110 N*	170 N*	135	674	254	588	182
Beryllium	3.1	Table	0.81	0.77	0.68	1.9	1.8	1.5	0.76
Cadmium	0.03 U		0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.08 J
Chromium	28.3 N		41.4 N	44 N	23.6	26.7	41	28.3	93.4
Copper	18.1 N		33.4 N	46.4 N	20	23	71.8	23.9	129
Lead	23.2		10.9	7	3.3	10.7	14.1	9.5	167
Mercury	0.02 U		0.02 U	0.02 U	0.02 UN	0.02 UN	0.02 UN	0.02 UN	0.02 J
Nickel	18.9		24.1	20	9.1	32.8	38.6	17.9	50.1
Selenium	0.31 U		0.24 U	0.29 U	0.25 U	0.28 U	0.27 U	0.28 U	0.28 U
Silver	0.12 U		0.1 U	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 UN
Thallium	0.37 J		0.29 U	0.34 U	0.29 U	0.33 U	0.32 U	0.33 U	0.33 U
Zinc	34.7		49.2	48.2	16.5	39.9	86.2	15.1	104
Cyanide (mg/kg dry wt)	0.22 J		0.25 J	2.7	0.09 U	0.09 U	0.88	1.4	0.69
VOCs (mg/kg dry wt)									
1,1,1-Trichloroethane	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
1,1,2,2-Tetrachloroethane	0.16 U		0.16 U	0.15 U	0.14 U	0.13 J	0.15 U	0.15 U	0.15 U
1,1,2-Trichloroethane	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
1,1-Dichloroethane	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
1,1-Dichloroethene	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
1,2-Dichloroethane	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
1,2-Dichloropropane	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
2-Butanone	0.82 U		0.78 U	0.76 U	0.37 J	0.77 U	0.76 U	0.76 U	0.77 U
2-Hexanone	0.65 U		0.62 U	0.61 U	0.57 U	0.62 U	0.6 U	0.6 U	0.62 U
4-Methyl-2-pentanone	0.49 U		0.47 U	0.46 U	0.43 U	0.46 U	0.45 U	0.45 U	0.46 U
Acetone	0.82 U		0.78 U	0.76 U	0.39 JB	0.77 U	0.39 JB	0.44 JB	0.77 U
Benzene	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Bromodichloromethane	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Bromoform	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Bromomethane	0.33 U		0.31 U	0.3 U	0.28 U	0.31 U	0.3 U	0.3 U	0.31 U
Carbon disulfide	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Carbon tetrachloride	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Chlorobenzene	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloroethane	0.33 U		0.31 U	0.3 U	0.28 U	0.31 U	0.3 U	0.3 U	0.31 U
Chloroform	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane	0.33 U		0.31 U	0.3 U	0.28 U	0.31 U	0.3 U	0.3 U	0.31 U
Dibromochloromethane	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Ethylbenzene	0.16 U		0.25	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Methylene chloride	0.29 B		0.34 B	0.3 B	0.15 B	0.16 B	0.33 B	0.31 B	0.13 JB
Styrene	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Tetrachloroethene	0.16 U		0.13 J	0.15 U	0.11 J	1.3	0.15 U	0.15 U	0.15 U
Toluene	0.16 U		0.23	0.09 J	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
Total Xylenes	0.16 U		4.5	0.16	0.14 J	0.17	0.15 U	0.15 U	0.15 U
Trichloroethene	0.16 U		0.16 B	0.15 U	0.08 J	0.11 J	0.15 U	0.15 U	0.15 U
Vinyl chloride	0.33 U		0.31 U	0.3 U	0.28 U	0.31 U	0.3 U	0.3 U	0.31 U
cis-1,2-Dichloroethene	0.33 U		0.078 JB	0.3 U	0.28 U	0.086 J	0.3 U	0.3 U	0.31 U
cis-1,3-Dichloropropene	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
trans-1,2-Dichloroethene	0.33 U		0.31 U	0.3 U	0.28 U	0.31 U	0.3 U	0.3 U	0.31 U
trans-1,3-Dichloropropene	0.16 U		0.16 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U
PCBs (mg/kg dry wt)									
PCB-1016	0.022 U		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
PCB-1221	0.043 U		0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
PCB-1232	0.022 U		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
PCB-1242	0.022 U		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
PCB-1248	0.022 U		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
PCB-1254	0.022 U		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
PCB-1260	0.022 U		0.02 U	0.02 U	0.02 U	0.02 U	0.03	0.02 U	0.15

TABLE 8, CONTINUED

Summary of Laboratory Analysis Results

MOA Area B Post-Excavation Soil Samples

General Motors Corporation - Delphi Interior & Lighting Systems

Trenton, New Jersey

Former Oil/Water Separator (MOA-B...)

	S1 (10.0') 12/04/96	S2** (10.0') 12/04/96	S3 (10.0') 12/04/96	S4 (10.0') 12/04/96	S5 (10.0') 12/05/96	S6 (10.0') 12/05/96	S7 (10.0') 12/05/96	S8 (10.0') 12/05/96	S9 (10.0') 12/10/96
SVOCs (mg/kg dry wt)									
1,2,4-Trichlorobenzene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.05 J	0.038 J
1,2-Dichlorobenzene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
1,3-Dichlorobenzene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
2,4-Dinitrotoluene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
2,6-Dinitrotoluene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloronaphthalene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Methylnaphthalene	0.43 U		0.046 J	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Nitroaniline	1.1 U		0.98 U	0.98 U	0.9 U	0.98 U	0.98 U	0.98 U	0.98 U
3,3-Dichlorobenzidine	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
3-Nitroaniline	1.1 U		0.98 U	0.98 U	0.9 U	0.98 U	0.98 U	0.98 U	0.98 U
4-Bromophenyl phenyl ether	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Chloroaniline	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Chlorophenyl phenyl ether	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Nitroaniline	1.1 U		0.98 U	0.98 U	0.9 U	0.98 U	0.98 U	0.98 U	0.98 U
Acenaphthene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Acenaphthylene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Benzo(a)anthracene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Benzo(a)pyrene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Benzo(b)fluoranthene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Benzo(g,h,i)perylene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Benzo(k)fluoranthene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Butyl benzylphthalate	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbazole	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Chrysene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Di-n-butylphthalate	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Di-n-octylphthalate	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Dibenzo(a,h)anthracene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Dibenzofuran	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Diethylphthalate	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Dimethylphthalate	0.43 U		0.059 J	0.4 U	0.36 U	0.4 U	0.25 J	0.4 U	0.4 U
Fluoranthene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Fluorene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexachlorobenzene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexachlorobutadiene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexachlorocyclopentadiene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Indeno(1,2,3-cd)pyrene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Isophorone	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Naphthalene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Nitrobenzene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Phenanthrene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Pyrene	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
bis(2-Chloroethoxy)methane	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
bis(2-Chloroethyl)ether	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
bis(2-Chloroisopropyl)ether	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
bis(2-Ethylhexyl)phthalate	1		0.2 J	0.21 J	0.36 U	0.4 U	0.06 J	0.4 U	0.13 J
n-Nitroso-dipropylamine	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
n-Nitrosodiphenylamine	0.43 U		0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U
Solids-Total Residue (% wt)	77		81	82	88	81	83	83	81

TABLE 8, CONTINUED

Summary of Laboratory Analysis Results

MOA Area B Post-Excavation Soil Samples

General Motors Corporation - Delphi Interior & Lighting Systems

Trenton, New Jersey

Former Oil/Water Separator (MOA-B...)

	S10 (10.0') 12/10/96	S11 (5.5-6.0') 12/03/96	S12 (5.5-6.0') 12/05/96	S13 (5.5-6.0') 12/05/96	S14 (5.5-6.0') 12/05/96	S14 rerun	S15 (7.0') 12/10/96	S15 Dup (Duplicate of MOA-B-S15)	S16 (5.5-6.0') 12/16/96	S17 (5.5-6.0') 12/05/96
Metals (mg/kg dry wt)										
Antimony	0.18 UN	0.17 U	0.18 U	0.17 U	0.19 U		0.19 UN	0.19 UN	0.19 UN	0.18 UN
Arsenic	1.6	4.3	4.7	15.6	23.4		7.2	6.6	5.5	3.3
Barium	20.4	107	597	283	408		54.6	51.5	143 N	76.7
Beryllium	0.56	1.3	2.7	1.2	1.9		0.67	0.65	0.9	1
Cadmium	0.02 U	0.42 J	1.9	1.7	2.2		0.03 U	0.07 J	0.29 J	0.02 U
Chromium	109	27.5	107	226	74.6		43.7	52.9	87.9 *	14.6
Copper	104	31.5	95.8	393	106		60.1	67.9	239	16.3
Lead	5.4	18.1	55.5	195	41.5		8.8	9.7	43.7 N*	5
Mercury	0.02 U	0.01 U	0.02 U	0.05	0.02 U		0.02 J	0.02 J	0.05	0.02 UN
Nickel	9.9	24.6	78.4	219	87.2		33.4	35.6	367	10.5
Selenium	0.26 U	0.45 J	0.27 U	0.48 J	0.28 U		0.42 J	0.64 J	0.28 U	0.28 U
Silver	0.1 UN	0.1 U	0.3 J	0.26 J	0.4 J		0.11 UN	0.11 UN	0.11 U	0.11 U
Thallium	0.31 U	0.34 J	0.32 U	0.31 U	0.33 U		0.34 U	0.33 U	0.33 U	0.33 U
Zinc	13	131	263	667	341		30.4	48.4	243	16.8
Cyanide (mg/kg dry wt)	1.3 J	22.8	13.2	11.9	2.3		0.2 J	0.16 J	3.8	0.39
VOCs (mg/kg dry wt)										
1,1,1-Trichloroethane	0.15 U	0.15 U	0.15 U	0.09 J	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
1,1,2,2-Tetrachloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
1,1,2-Trichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
1,1-Dichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
1,1-Dichloroethene	0.15 U	0.15 U	0.15 U	0.08 J	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
1,2-Dichloroethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
1,2-Dichloropropane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
2-Butanone	0.74 U	0.74 U	0.74 U	0.7 U	0.76 U		0.77 U	0.77 U	0.76 U	0.76 U
2-Hexanone	0.59 U	0.59 U	0.59 U	0.56 U	0.61 U		0.62 U	0.62 U	0.61 U	0.61 U
4-Methyl-2-pentanone	0.44 U	0.44 U	0.44 U	0.42 U	0.46 U		0.46 U	0.46 U	0.46 U	0.46 U
Acetone	0.74 U	0.74 U	0.74 U	0.42 JB	0.48 JB		0.4 JB	0.25 JB	0.76 U	0.42 JB
Benzene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Bromodichloromethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Bromoform	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Bromomethane	0.29 U	0.29 U	0.29 U	0.28 U	0.3 U		0.31 U	0.31 U	0.3 U	0.3 U
Carbon disulfide	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Carbon tetrachloride	0.15 U	0.15 U	0.15 U	0.08 J	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Chlorobenzene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Chloroethane	0.29 U	0.29 U	0.29 U	0.28 U	0.3 U		0.31 U	0.31 U	0.3 U	0.3 U
Chloroform	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane	0.29 U	0.29 U	0.29 U	0.28 U	0.3 U		0.31 U	0.31 U	0.3 U	0.3 U
Dibromochloromethane	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Ethylbenzene	0.15 U	0.15 U	0.15 U	0.11 J	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Methylene chloride	0.13 JB	0.32 B	0.14 JB	0.31 B	0.34 B		0.11 JB	0.17 B	0.14 JB	0.31 B
Styrene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Tetrachloroethene	0.15 U	0.15 U	0.15 U	0.14 J	0.15 U		0.1 JB	0.15 U	0.15 U	0.15 U
Toluene	0.15 U	0.15 U	0.15 U	0.08 J	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Total Xylenes	0.15 U	0.15 U	0.13 J	0.36	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
Trichloroethene	0.15 U	0.15 U	0.09 J	0.21	0.17		0.15 U	0.15 U	0.22	0.15 U
Vinyl chloride	0.29 U	0.29 U	0.29 U	0.28 U	0.3 U		0.31 U	0.31 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	0.29 U	0.29 U	0.29 U	0.28 U	0.3 U		0.31 U	0.31 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
trans-1,2-Dichloroethene	0.29 U	0.29 U	0.29 U	0.28 U	0.3 U		0.31 U	0.31 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U		0.15 U	0.15 U	0.15 U	0.15 U
PCBs (mg/kg dry wt)										
PCB-1016	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U
PCB-1221	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U		0.04 U	0.04 U	0.04 U	0.04 U
PCB-1232	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U
PCB-1242	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U
PCB-1248	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U
PCB-1254	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U
PCB-1260	0.02 U	0.02 U	0.15	0.8	1		0.04	0.02 U	0.67	0.02 U

TABLE 8, CONTINUED

Summary of Laboratory Analysis Results

MOA Area B Post-Excavation Soil Samples

General Motors Corporation - Delphi Interior & Lighting Systems

Trenton, New Jersey

Former Oil/Water Separator (MOA-B...)

	S10 (10.0') 12/10/96	S11 (5.5-6.0') 12/03/96	S12 (5.5-6.0') 12/05/96	S13 (5.5-6.0') 12/05/96	S14 (5.5-6.0') 12/05/96	S14 rerun	S15 (7.0') 12/10/96	S15 Dup (Duplicate of MOA-B-S15)	S16 (5.5-6.0') 12/16/96	S17 (5.5-6.0') 12/05/96
SVOCs (mg/kg dry wt)										
1,2,4-Trichlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
1,2-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
1,3-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
1,4-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
2,4-Dinitrotoluene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
2,6-Dinitrotoluene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
2-Chloronaphthalene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
2-Methylnaphthalene	0.4 U	0.4 U	0.4 U	0.36 U	0.051 J	0.05 J	0.4 U	0.4 U	0.4 U	0.43 U
2-Nitroaniline	0.98 U	0.98 U	0.98 U	0.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	1.1 U
3,3-Dichlorobenzidine	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
3-Nitroaniline	0.98 U	0.98 U	0.98 U	0.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	1.1 U
4-Bromophenyl phenyl ether	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
4-Chloroaniline	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
4-Chlorophenyl phenyl ether	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
4-Nitroaniline	0.98 U	0.98 U	0.98 U	0.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	1.1 U
Acenaphthene	0.4 U	0.4 U	0.4 U	0.04 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Acenaphthylene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Anthracene	0.4 U	0.4 U	0.4 U	0.09 J	0.046 J	0.03 J	0.4 U	0.4 U	0.06 J	0.43 U
Benzo(a)anthracene	0.4 U	0.4 U	0.4 U	0.28 J	0.11 J	0.14 J	0.4 U	0.4 U	0.16 J	0.43 U
Benzo(a)pyrene	0.4 U	0.4 U	0.4 U	0.28 J	0.16 J	0.17 J	0.4 U	0.4 U	0.17 J	0.43 U
Benzo(b)fluoranthene	0.4 U	0.4 U	0.4 U	0.4	0.25 J	0.21 J	0.4 U	0.4 U	0.22 J	0.43 U
Benzo(g,h,i)perylene	0.4 U	0.4 U	0.4 U	0.2 J	0.17 J	0.17 J	0.4 U	0.4 U	0.15 J	0.43 U
Benzo(k)fluoranthene	0.4 U	0.4 U	0.4 U	0.16 J	0.084 J	0.11 J	0.4 U	0.4 U	0.07 J	0.43 U
Butyl benzylphthalate	0.4 U	0.4 U	0.4 U	0.08 J	0.4 U	0.4 U	0.4 U	0.4 U	0.1 J	0.43 U
Carbazole	0.4 U	0.4 U	0.4 U	0.04 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Chrysene	0.4 U	0.4 U	0.4 U	0.32 J	0.21 J	0.21 J	0.4 U	0.4 U	0.2 J	0.43 U
Di-n-butylphthalate	0.4 U	0.4 U	0.05 J	0.25 J	0.56	0.58	0.4 U	0.4 U	0.05 J	0.43 U
Di-n-octylphthalate	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.08 J	0.43 U
Dibenzo(a,h)anthracene	0.4 U	0.4 U	0.4 U	0.07 J	0.047 J	0.05 J	0.4 U	0.4 U	0.4 U	0.43 U
Dibenzofuran	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Diethylphthalate	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Dimethylphthalate	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Fluoranthene	0.4 U	0.4 U	0.4 U	0.54	0.17 J	0.19 J	0.4 U	0.4 U	0.33 J	0.43 U
Fluorene	0.4 U	0.4 U	0.4 U	0.04 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Hexachlorobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Hexachlorobutadiene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Hexachlorocyclopentadiene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Hexachloroethane	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Indeno(1,2,3-cd)pyrene	0.4 U	0.4 U	0.4 U	0.24 J	0.16 J	0.18 J	0.4 U	0.4 U	0.15 J	0.43 U
Isophorone	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Naphthalene	0.4 U	0.4 U	0.4 U	0.36 U	0.05 J	0.04 J	0.4 U	0.4 U	0.4 U	0.43 U
Nitrobenzene	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Phenanthrene	0.4 U	0.4 U	0.04 J	0.38	0.2 J	0.21 J	0.4 U	0.4 U	0.23 J	0.43 U
Pyrene	0.4 U	0.4 U	0.4 U	0.4	0.18 J	0.2 J	0.4 U	0.4 U	0.3 J	0.43 U
bis(2-Chloroethoxy)methane	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
bis(2-Chloroethyl)ether	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
bis(2-Chloroisopropyl)ether	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
bis(2-Ethylhexyl)phthalate	0.4 U	0.4 U	0.08 J	0.37	0.079 J	0.08 J	0.4 U	0.4 U	0.63	0.43 U
n-Nitroso-dipropylamine	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
n-Nitrosodiphenylamine	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Solids-Total Residue (% wt)	85	85	85	89	82		81	81	82	82

TABLE 8, CONTINUED

Summary of Laboratory Analysis Results

MOA Area B Post-Excavation Soil Samples

General Motors Corporation - Delphi Interior & Lighting Systems

Trenton, New Jersey

Former Oil/Water Separator (MOA-B...)

	S18 (5.5-6.0') 12/05/96	S19*** (5.5-6.0') 12/10/96	S20 (5.5-6.0') 12/04/96	S21 (12.0') 12/19/96	S22 (9.0') 12/20/96	S23 (5.5-6.0') 12/20/96
Metals (mg/kg dry wt)						
Antimony	0.2 UN	*** - See notes at end of Table	0.17 UN	0.18 UN	0.19 UN	0.18 UN
Arsenic	6.1		2.8	3.2	12.6	2.9
Barium	206		132 N*	415 N*	91.8 N*	139 N*
Beryllium	1		1.6	1.8	0.61	0.76
Cadmium	0.03 U		0.81	0.02 U	0.02 U	0.02 U
Chromium	24.3		65.9 N	23.1	18	90
Copper	13.6		27.7 N	11.8 *	9.4 *	9.6 *
Lead	10.2		24.7	32.4 *	5 *	6.6 *
Mercury	0.02 UN		0.02 U	0.02 U	0.02 U	0.02 U
Nickel	16.7		67.8	15.8	11.6	13.2
Selenium	0.29 U		0.25 U	0.27 U	0.28 U	0.28 U
Silver	0.12 U		0.1 U	0.11 U	0.11 U	0.11 U
Thallium	0.35 U		0.29 U	0.32 U	0.33 U	0.32 U
Zinc	35		166	33.8	25.6	28.3
Cyanide (mg/kg dry wt)	0.22 J		0.28 J	0.09 U	0.09 U	0.09 U
VOCs (mg/kg dry wt)						
1,1,1-Trichloroethane	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
1,1,2,2-Tetrachloroethane	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
1,1,2-Trichloroethane	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
1,1-Dichloroethane	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
1,1-Dichloroethene	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
1,2-Dichloroethane	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
1,2-Dichloropropane	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
2-Butanone	0.79 U		0.81 U	0.73 U	0.77 U	0.79 U
2-Hexanone	0.63 U		0.65 U	0.58 U	0.62 U	0.63 U
4-Methyl-2-pentanone	0.47 U		0.49 U	0.44 U	0.46 U	0.47 U
Acetone	0.35 JB		0.81 U	0.48 JB	0.49 JB	0.37 JB
Benzene	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Bromodichloromethane	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Bromoform	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Bromomethane	0.32 U		0.32 U	0.29 U	0.31 U	0.32 U
Carbon disulfide	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Carbon tetrachloride	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Chlorobenzene	0.16 U		0.16 U	0.15 U	0.15 U	0.34
Chloroethane	0.32 U		0.32 U	0.29 U	0.31 U	0.32 U
Chloroform	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Chloromethane	0.32 U		0.32 U	0.29 U	0.31 U	0.32 U
Dibromochloromethane	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Ethylbenzene	0.16 U		0.16 U	0.15 U	0.15 U	3.3
Methylene chloride	0.11 JB		0.29 B	0.17 B	0.18 B	0.18 B
Styrene	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Tetrachloroethene	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Toluene	0.16 U		0.13 J	0.15 U	0.15 U	0.16 U
Total Xylenes	0.16 U		0.14 J	0.15 U	0.15 U	5.2 B
Trichloroethene	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
Vinyl chloride	0.32 U		0.32 U	0.29 U	0.31 U	0.32 U
cis-1,2-Dichloroethene	0.32 U		0.32 U	0.29 U	0.31 U	0.32 U
cis-1,3-Dichloropropene	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
trans-1,2-Dichloroethene	0.32 U		0.32 U	0.29 U	0.31 U	0.32 U
trans-1,3-Dichloropropene	0.16 U		0.16 U	0.15 U	0.15 U	0.16 U
PCBs (mg/kg dry wt)						
PCB-1016	0.022 U		0.022 U	0.02 U	0.02 U	0.022 U
PCB-1221	0.043 U		0.043 U	0.04 U	0.04 U	0.043 U
PCB-1232	0.022 U		0.022 U	0.02 U	0.02 U	0.022 U
PCB-1242	0.022 U		0.022 U	0.02 U	0.02 U	0.022 U
PCB-1248	0.022 U		0.022 U	0.02 U	0.02 U	0.022 U
PCB-1254	0.022 U		0.022 U	0.02 U	0.02 U	0.022 U
PCB-1260	0.022 U		0.022 U	0.02 U	0.02 U	0.072

TABLE 8, CONTINUED

Summary of Laboratory Analysis Results

MOA Area B Post-Excavation Soil Samples

General Motors Corporation - Delphi Interior & Lighting Systems

Trenton, New Jersey

Former Oil/Water Separator (MOA-B...)

	S18 (5.5-6.0') 12/05/96	S19*** (5.5-6.0') 12/10/96	S20 (5.5-6.0') 12/04/96	S21 (12.0') 12/19/96	S22 (9.0') 12/20/96	S23 (5.5-6.0') 12/20/96
SVOCs (mg/kg dry wt)						
1,2,4-Trichlorobenzene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
1,2-Dichlorobenzene	0.43 U		0.43 U	0.4 U	0.4 U	2
1,3-Dichlorobenzene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
1,4-Dichlorobenzene	0.43 U		0.43 U	0.4 U	0.4 U	0.25 J
2,4-Dinitrotoluene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
2,6-Dinitrotoluene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
2-Chloronaphthalene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
2-Methylnaphthalene	0.43 U		0.43 U	0.4 U	0.4 U	3.7
2-Nitroaniline	1.1 U		1.1 U	0.98 U	0.98 U	1.1 U
3,3-Dichlorobenzidine	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
3-Nitroaniline	1.1 U		1.1 U	0.98 U	0.98 U	1.1 U
4-Bromophenyl phenyl ether	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
4-Chloroaniline	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
4-Chlorophenyl phenyl ether	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
4-Nitroaniline	1.1 U		1.1 U	0.98 U	0.98 U	1.1 U
Acenaphthene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Acenaphthylene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Anthracene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Benzo(a)anthracene	0.058 J		0.43 U	0.4 U	0.4 U	0.43 U
Benzo(a)pyrene	0.042 J		0.43 U	0.4 U	0.4 U	0.43 U
Benzo(b)fluoranthene	0.054 J		0.43 U	0.4 U	0.4 U	0.43 U
Benzo(g,h,i)perylene	0.021 J		0.43 U	0.4 U	0.4 U	0.43 U
Benzo(k)fluoranthene	0.024 J		0.43 U	0.4 U	0.4 U	0.43 U
Butyl benzylphthalate	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Carbazole	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Chrysene	0.054 J		0.43 U	0.4 U	0.4 U	0.43 U
Di-n-butylphthalate	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Di-n-octylphthalate	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Dibenzo(a,h)anthracene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Dibenzofuran	0.43 U		0.43 U	0.4 U	0.4 U	0.14 J
Diethylphthalate	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Dimethylphthalate	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Fluoranthene	0.18 J		0.43 U	0.4 U	0.4 U	0.43 U
Fluorene	0.43 U		0.43 U	0.4 U	0.4 U	0.27 J
Hexachlorobenzene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Hexachlorobutadiene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Hexachlorocyclopentadiene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Hexachloroethane	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Indeno(1,2,3-cd)pyrene	0.025 J		0.43 U	0.4 U	0.4 U	0.43 U
Isophorone	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Naphthalene	0.43 U		0.43 U	0.4 U	0.4 U	1.5
Nitrobenzene	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Phenanthrene	0.13 J		0.43 U	0.4 U	0.4 U	0.092 J
Pyrene	0.14 J		0.43 U	0.4 U	0.4 U	0.43 U
bis(2-Chloroethoxy)methane	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
bis(2-Chloroethyl)ether	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
bis(2-Chloroisopropyl)ether	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
bis(2-Ethylhexyl)phthalate	0.044 J		0.51	0.4 U	0.4 U	2.2
n-Nitroso-dipropylamine	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
n-Nitrosodiphenylamine	0.43 U		0.43 U	0.4 U	0.4 U	0.43 U
Solids-Total Residue (% wt)	79		77	86	81	79

TABLE 8, CONTINUED
Summary of Laboratory Analysis Results
MOA Area B Post-Excavation Soil Samples
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

Former Waste Oil Underground Storage Tank (MOA-B...)

	BS1 (5.5-6.0') 11/21/96	BS2 (5.5-6.0') 11/21/96	BS3 (5.5-6.0') 11/21/96	BS3 rerun	BS4 (10.0') 11/21/96	BS5 (10.0') 11/21/96
Metals (mg/kg dry wt)						
Antimony	0.2 U	0.39 U	0.37 U		0.21 U	0.17 U
Arsenic	3.4	37.6	32.2		34.8	45
Barium	333	411	244		151	189
Beryllium	1.2	1.4	1.5		1.2	0.88
Cadmium	0.12 J	10	2.6		0.18 J	0.97
Chromium	29	876	410		49.1	99.2
Copper	29.1 *	185 *	208 *		32 *	222 *
Lead	8.8	149	114		29.3	79.1
Mercury	0.02 J	0.09	0.06		0.07	0.04
Nickel	16.4 N*	131 N*	144 N*		70.6 N*	70 N*
Selenium	0.3 U	0.3 U	0.28 U		0.31 U	0.25 U
Silver	0.12 U	5.4	0.84 J		0.12 U	0.13 J
Thallium	0.35 U	0.35 U	0.33 U		1.36 U	0.3 U
Zinc	43.9 *	1490 *	775 *		96 *	233 *
Cyanide (mg/kg dry wt)	0.1 J	2.1	3.2		0.52	3.2
VOCs (mg/kg dry wt)						
1,1,1-Trichloroethane	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
1,1,2,2-Tetrachloroethane	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
1,1,2-Trichloroethane	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
1,1-Dichloroethane	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
1,1-Dichloroethene	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
1,2-Dichloroethane	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
1,2-Dichloropropane	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
2-Butanone	0.77 U	0.79 U	0.76 U		0.82 U	0.76 U
2-Hexanone	0.62 U	0.63 U	0.6 U		0.66 U	0.6 U
4-Methyl-2-pentanone	0.46 U	0.47 U	0.45 U		0.49 U	0.45 U
Acetone	0.77 U	0.79 U	0.41 J		0.82 U	0.76 U
Benzene	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Bromodichloromethane	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Bromoform	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Bromomethane	0.31 U	0.32 U	0.3 U		0.33 U	0.3 U
Carbon disulfide	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Carbon tetrachloride	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Chlorobenzene	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Chloroethane	0.31 U	0.32 U	0.3 U		0.33 U	0.3 U
Chloroform	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Chloromethane	0.31 U	0.32 U	0.3 U		0.33 U	0.3 U
Dibromochloromethane	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Ethylbenzene	0.15 U	0.16 U	0.15 U		0.16 U	0.18
Methylene chloride	0.23 B	0.25 B	0.24 B		0.26 B	0.34 B
Styrene	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Tetrachloroethene	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
Toluene	0.15 U	0.16 U	0.15 U		0.16 U	0.1 J
Total Xylenes	0.15 U	0.29	1.1		0.43	4
Trichloroethene	0.15 U	0.16 U	0.15 U		0.18	0.13 J
Vinyl chloride	0.31 U	0.32 U	0.3 U		0.33 U	0.3 U
cis-1,2-Dichloroethene	0.31 U	0.32 U	0.3 U		0.33 U	0.3 U
cis-1,3-Dichloropropene	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
trans-1,2-Dichloroethene	0.31 U	0.32 U	0.3 U		0.33 U	0.3 U
trans-1,3-Dichloropropene	0.15 U	0.16 U	0.15 U		0.16 U	0.15 U
PCBs (mg/kg dry wt)						
PCB-1016	0.02 U	0.022 U	0.02 U		0.022 U	0.02 U
PCB-1221	0.04 U	0.043 U	0.04 U		0.043 U	0.04 U
PCB-1232	0.02 U	0.022 U	0.02 U		0.022 U	0.02 U
PCB-1242	0.02 U	0.022 U	0.02 U		0.022 U	0.02 U
PCB-1248	0.02 U	0.022 U	0.02 U		0.022 U	0.02 U
PCB-1254	0.02 U	0.022 U	0.02 U		0.022 U	0.02 U
PCB-1260	0.018 J	0.44	0.49		0.022 U	0.25

TABLE 8, CONTINUED

Summary of Laboratory Analysis Results

MOA Area B Post-Excavation Soil Samples

General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

Former Waste Oil Underground Storage Tank (MOA-B-...)

	BS1 (5.5-6.0') 11/21/96	BS2 (5.5-6.0') 11/21/96	BS3 (5.5-6.0') 11/21/96	BS3 rerun	BS4 (10.0') 11/21/96	BS5 (10.0') 11/21/96
SVOCs (mg/kg dry wt)						
1,2,4-Trichlorobenzene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
1,2-Dichlorobenzene	0.4 U	0.43 U	0.13 J	0.15 J	0.43 U	0.24 J
1,3-Dichlorobenzene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
1,4-Dichlorobenzene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
2,4-Dinitrotoluene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
2,6-Dinitrotoluene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
2-Chloronaphthalene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
2-Methylnaphthalene	0.4 U	0.43 U	0.084 J	0.09 J	0.43 U	0.15 J
2-Nitroaniline	0.98 U	1.1 U	0.98 U	0.98 U	1.1 U	0.98 U
3,3-Dichlorobenzidine	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
3-Nitroaniline	0.98 U	1.1 U	0.98 U	0.98 U	1.1 U	0.98 U
4-Bromophenyl phenyl ether	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
4-Chloroaniline	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
4-Chlorophenyl phenyl ether	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
4-Nitroaniline	0.98 U	1.1 U	0.98 U	0.98 U	1.1 U	0.98 U
Acenaphthene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Acenaphthylene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Anthracene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Benzo(a)anthracene	0.4 U	0.43 U	0.4 U	0.4 U	0.081 J	0.073 J
Benzo(a)pyrene	0.4 U	0.43 U	0.062 J	0.06 J	0.065 J	0.065 J
Benzo(b)fluoranthene	0.4 U	0.43 U	0.4 U	0.4 U	0.098 J	0.1 J
Benzo(g,h,i)perylene	0.4 U	0.43 U	0.056 J	0.04 J	0.047 J	0.082 J
Benzo(k)fluoranthene	0.4 U	0.43 U	0.4 U	0.4 U	0.028 J	0.034 J
Butyl benzylphthalate	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Carbazole	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Chrysene	0.4 U	0.43 U	0.4 U	0.4 U	0.085 J	0.11 J
Di-n-butylphthalate	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Di-n-octylphthalate	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Dibenzo(a,h)anthracene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Dibenzofuran	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Diethylphthalate	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Dimethylphthalate	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Fluoranthene	0.047 J	0.43 U	0.058 J	0.05 J	0.11 J	0.095 J
Fluorene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Hexachlorobenzene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Hexachlorobutadiene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Hexachlorocyclopentadiene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Hexachloroethane	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Indeno(1,2,3-cd)pyrene	0.4 U	0.43 U	0.4 U	0.4 U	0.052 J	0.071 J
Isophorone	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Naphthalene	0.4 U	0.43 U	0.068 J	0.08 J	0.43 U	0.13 J
Nitrobenzene	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Phenanthrene	0.4 U	0.43 U	0.057 J	0.07 J	0.039 J	0.089 J
Pyrene	0.041 J	0.43 U	0.094 J	0.12 J	0.1 J	0.14 J
bis(2-Chloroethoxy)methane	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
bis(2-Chloroethyl)ether	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
bis(2-Chloroisopropyl)ether	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
bis(2-Ethylhexyl)phthalate	0.4 U	0.12 J	0.41	0.5	0.046 J	0.28 J
n-Nitroso-dipropylamine	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
n-Nitrosodiphenylamine	0.4 U	0.43 U	0.4 U	0.4 U	0.43 U	0.4 U
Solids-Total Residue (% wt)	81	79	83		76	83

Notes:

1. N = Spiked sample recovery not within control limits (inorganic analysis only).
2. B = Analyte found in associated blank as well as in sample.
3. J = Estimated value between the instrument detection limit and the PQL.
4. * = Duplicate analysis not within control limits (Flag entire batch - inorganic analysis only).
5. U = Compound was analyzed for but was not detected.
6. ** = Additional soil removal performed at MOA-B-S2 sample location after MOA-B-S2 collected. Sample MOA-B-S21 collected at this location after final depth of 12.0 ft reached. Refer to Table 9 for MOA-B-S2 results.
- 7.0 *** = Additional soil removal performed at MOA-B-19 sample location after collection of MOA-B-S19. Samples MOA-B-S22 and -S23 collected in this area from excavation bottom and sidewall, respectively, after additional soil removal was completed. Refer to Table 9 for MOA-B-19 results.
8. Samples analyzed by Katahdin Analytical Services, Westbrook, Maine.

TABLE 9

Summary of Laboratory Analysis Results

MOA Area B - Samples of Excavated Soil

General Motors Corporation - Delphi Interior & Lighting Systems

Trenton, New Jersey

First-round Confirmation Samples:		Excavated Soil Samples		
S2 (10.0')	S19 (5.5-6.0')	Grab samples from stockpile		Roll-off Composite
		S24	S25	MOA-B-RC1
12/04/96 (rerun)	12/10/96 (rerun)	01/09/97 (rerun)	01/09/97	01/09/97

Inorganics (mg/kg dry wt)

Total Metals:

Antimony	0.93 UN		0.19 U	0.2 U
Arsenic	40.8	21.6	4.4	17.3
Barium	227 N*	359	283	109
Beryllium	1.4	1.8	1.1	0.56
Cadmium	5.2	2.2	0.07 J	1.1
Chromium	510 N	195	57	106
Copper	385 N	197	159	126
Lead	58.5	53.2	19.3	36.3
Mercury	0.06	0.06	0.03 U	0.03 J
Nickel	109	68.5	43.1	34.6
Selenium	0.28 U	0.26 U	0.28 U	0.3 U
Silver	1.5	0.47 JN	0.11 U	0.3 J
Thallium	0.33 U	0.31 U	0.33 U	0.35 U
Zinc	748	358	74.8	217

Total Cyanide

Cyanide, Reactive

Sulfide, Reactive

2 U

27 U

Ignitability - Flash point (degrees C)

65

Total VOCs (mg/kg dry wt)

1,1,1-Trichloroethane	0.15 U	0.15 U	0.58	16 U	0.16 U	0.79 U
1,1,2,2-Tetrachloroethane	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
1,1,2-Trichloroethane	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
1,1-Dichloroethane	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
1,1-Dichloroethene	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
1,2-Dichloroethane	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
1,2-Dichloropropane	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
2-Butanone	0.76 U	0.76 U	0.82 U	82 U	0.81 U	4 U
2-Hexanone	0.6 U	0.61 U	0.65 U	65 U	0.64 U	3.2 U
4-Methyl-2-pentanone	0.45 U	0.46 U	0.49 U	49 U	0.48 U	2.4 U
Acetone	0.76 U	0.76 U	0.57 J	82 U	0.22 J	4 U
Benzene	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Bromodichloromethane	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Bromoform	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Bromomethane	0.3 U	0.3 U	0.33 U	33 U	0.32 U	1.6 U
Carbon disulfide	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Carbon tetrachloride	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Chlorobenzene	0.15 U	0.15 U	0.25	16 U	0.16 U	0.79 U
Chloroethane	0.3 U	0.3 U	0.33 U	33 U	0.32 U	1.6 U
Chloroform	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Chloromethane	0.3 U	0.3 U	0.33 U	33 U	0.32 U	1.6 U
Dibromochloromethane	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Ethylbenzene	1.3	0.15 U	7.2	8.6 J	0.77	3.9
Methylene chloride	0.27 B	0.11 JB	1.1 B	29 B	0.67 B	2.1 B
Styrene	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Tetrachloroethene	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Toluene	2.3	0.15 U	8	16 U	0.45	1.7
Trichloroethene	0.1 JB	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Total Xylenes	36	11	170 E	160	24	110
Vinyl chloride	0.3 U	0.3 U	0.33 U	33 U	0.32 U	1.6 U
cis-1,2-Dichloroethene	0.3 U	0.3 U	0.33 U	33 U	0.32 U	1.6 U
cis-1,3-Dichloropropene	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
trans-1,2-Dichloroethene	0.3 U	0.3 U	0.33 U	33 U	0.32 U	1.6 U
trans-1,3-Dichloropropene	0.15 U	0.15 U	0.16 U	16 U	0.16 U	0.79 U
Percent Solids (% wt)	83	82	77		77	79

TABLE 9
Summary of Laboratory Analysis Results
MOA Area B - Samples of Excavated Soil

	First-round Confirmation Samples:				Excavated Soil Samples		
	S2 (10.0')		S19 (5.5-6.0')		Grab samples from stockpile		Roll-off Composite MOA-B-RC1 01/09/97
	12/04/96 (rerun)		12/10/96 (rerun)		S24 01/09/97 (rerun)	S25 01/09/97	
Total SVOCs (mg/kg dry wt)							
1,2,4-Trichlorobenzene	0.096 J	0.091 J	0.4 U	0.4 U	0.22 J		0.43 U
1,2-Dichlorobenzene	1.4	1.5	0.41	0.4 J	1.9		0.39 J
1,3-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
1,4-Dichlorobenzene	0.21 J	0.24 J	0.06 J	0.061 J	0.2 J		0.43 U
2,4-Dinitrotoluene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
2,6-Dinitrotoluene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
2-Chloronaphthalene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
2-Methylnaphthalene	0.8	0.88	1.2	1.2	2.1		0.49
2-Nitroaniline	0.98 U	0.98 U	0.98 U	0.98 U	1.1 U		1.1 U
3,3-Dichlorobenzidine	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
3-Nitroaniline	0.98 U	0.98 U	0.98 U	0.98 U	1.1 U		1.1 U
4-Bromophenyl phenyl ether	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
4-Chloroaniline	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
4-Chlorophenyl phenyl ether	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
4-Nitroaniline	0.98 U	0.98 U	0.98 U	0.98 U	1.1 U		1.1 U
Acenaphthene	0.4 U	0.083 J	0.094 J	0.13 J	0.32 J		0.049 J
Acenaphthylene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Anthracene	0.4 U	0.4 U	0.4 U	0.4 U	0.41 J		0.43 U
Benzo(a)anthracene	0.071 J	0.16 J	0.084 J	0.087 J	0.82		0.07 J
Benzo(a)pyrene	0.1 J	0.088 J	0.4 U	0.4 U	0.68		0.068 J
Benzo(b)fluoranthene	0.13 J	0.11 J	0.4 U	0.4 U	0.9		0.088 J
Benzo(g,h,i)perylene	0.093 J	0.098 J	0.4 U	0.4 U	0.37 J		0.43 U
Benzo(k)fluoranthene	0.053 J	0.029 J	0.4 U	0.4 U	0.3 J		0.43 U
Butyl benzylphthalate	0.4 U	0.4 U	0.4 U	0.4 U	0.09 J		0.43 U
Carbazole	0.4 U	0.4 U	0.4 U	0.4 U	0.37 J		0.43 U
Chrysene	0.17 J	0.17 J	0.14 J	0.14 J	0.8		0.13 J
Di-n-butylphthalate	0.06 J	0.071 J	0.063 J	0.097 J	0.43 U		0.43 U
Di-n-octylphthalate	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Dibenzo(a,h)anthracene	0.4 U	0.4 U	0.4 U	0.4 U	0.11 J		0.43 U
Dibenzofuran	0.4 U	0.4 U	0.073 J	0.062 J	0.37 J		0.43 U
Diethylphthalate	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Dimethylphthalate	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Fluoranthene	0.17 J	0.15 J	0.16 J	0.19 J	1.9		0.12 J
Fluorene	0.13 J	0.13 J	0.13 J	0.14 J	0.81		0.066 J
Hexachlorobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Hexachlorobutadiene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Hexachlorocyclopentadiene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Hexachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Indeno(1,2,3-cd)pyrene	0.081 J	0.081 J	0.4 U	0.4 U	0.47		0.43 U
Isophorone	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Naphthalene	0.62	0.71	0.97	0.92	1.5		0.3 J
Nitrobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		1.8
Phenanthrene	0.38 J	0.36 J	0.43	0.37 J	2.5		0.15 J
Pyrene	0.17 J	0.22 J	0.24 J	0.27 J	1.6		0.13 J
bis(2-Chloroethoxy)methane	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
bis(2-Chloroethyl)ether	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
bis(2-Chloroisopropyl)ether	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
bis(2-Ethylhexyl)phthalate	1.3	1.4	1.1	1.1	2.3		0.83
n-Nitroso-dipropylamine	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
n-Nitrosodiphenylamine	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U		0.43 U
Total PCBs (mg/kg dry wt)							
PCB-1016	0.02 U		0.02 U		0.02 U		0.022 U
PCB-1221	0.04 U		0.04 U		0.04 U		0.043 U
PCB-1232	0.02 U		0.02 U		0.02 U		0.022 U
PCB-1242	0.02 U		0.02 U		0.02 U		0.022 U
PCB-1248	0.02 U		0.02 U		0.02 U		0.022 U
PCB-1254	0.02 U		0.02 U		0.02 U		0.022 U
PCB-1260	0.63		0.39		0.16		0.38

TABLE 9
Summary of Laboratory Analysis Results
MOA Area B - Samples of Excavated Soil

First-round Confirmation Samples:		Excavated Soil Samples		
S2 (10.0')	S19 (5.5-6.0')	Grab samples from stockpile		Roll-off Composite
12/04/96 (rerun)	12/10/96 (rerun)	S24 01/09/97 (rerun)	S25 01/09/97	MOA-B-RC1 01/09/97

TCLP Metals (mg/L)

Arsenic-TCLP	0.0105 U
Barium-TCLP	1.32
Cadmium-TCLP	0.0147 J
Chromium-TCLP	0.0628 J
Lead-TCLP	0.08
Mercury-TCLP	0.0001 U
Selenium-TCLP	0.0156 U
Silver-TCLP	0.0061 U

TCLP VOCs, SVOCs, Herbicides and Pesticides (ug/L)

1,1-Dichloroethene-TCLP	5 U
1,2-Dichloroethane-TCLP	5 U
1,4-Dichlorobenzene-TCLP	50 U
2,4,5-Trichlorophenol-TCLP	130 U
2,4,6-Trichlorophenol-TCLP	50 U
2,4-D-TCLP	1000 U
2,4-Dinitrotoluene-TCLP	50 U
2-Butanone-TCLP	15 U
2-Methylphenol-TCLP	50 U
3-Methylphenol-TCLP	50 U
4-Methylphenol-TCLP	50 U
Benzene-TCLP	5 U
Carbon tetrachloride-TCLP	5 U
Chlordane (technical)-TCLP	2.5 U
Chlorobenzene-TCLP	5 U
Chloroform-TCLP	5 U
Endrin-TCLP	0.5 U
Heptachlor-TCLP	0.3 U
Heptachlor and Epoxide-TCLP	0.3 U
Hexachlorobenzene-TCLP	50 U
Hexachlorobutadiene-TCLP	50 U
Hexachloroethane-TCLP	50 U
Methoxychlor-TCLP	2.5 U
Nitrobenzene-TCLP	50 U
Pentachlorophenol-TCLP	130 U
Pyridine-TCLP	250 U
Silvex-TCLP	100 U
Tetrachloroethene-TCLP	5 U
Toxaphene-TCLP	5 U
Trichloroethene-TCLP	5 U
Vinyl chloride-TCLP	10 U
gamma-BHC (lindane)-TCLP	0.3 U

Notes:

1. N = Spiked sample recovery not within control limits (inorganic analysis only).
2. B = Analyte found in associated blank as well as in sample.
3. J = Estimated value between the instrument detection limit and the PQL.
4. * = Duplicate analysis not within control limits (Flag entire batch - inorganic analysis only).
5. U = Compound was analyzed for but was not detected.
6. E = Concentration exceeds the calibration range.
7. Samples analyzed by Katahdin Analytical Services, Westbrook, Maine.

TABLE 10

Summary of Analytical Results

MOA Area B - Miscellaneous Waste Characterization Samples

General Motors Corporation - Delphi Interior & Lighting Systems

Trenton, New Jersey

Sludge Sample (*) MOA-B o/w Residue 11/26/96		Water Sample (**) WT-1 11-19-96 dilution	
Total VOCs (mg/kg dry wt)		Total VOCs (ug/L)	
1,1,1,2-Tetrachloroethane	0.043 U	1,1,1-Trichloroethane	10 U 100 U
1,1,1-Trichloroethane	0.043 U	1,1,2,2-Tetrachloroethane	10 U 100 U
1,1,2,2-Tetrachloroethane	0.043 U	1,1,2-Trichloroethane	10 U 100 U
1,1,2-Trichloroethane	0.043 U	1,1-Dichloroethane	10 U 100 U
1,1-Dichloroethane	0.25	1,1-Dichloroethene	10 U 100 U
1,1-Dichloroethene	0.043 U	1,2-Dichloroethane	10 U 100 U
1,2-Dichloroethane	0.043 U	1,2-Dichloropropane	10 U 100 U
1,2-Dichloropropane	0.043 U	2-Butanone	50 U 500 U
2-Butanone	0.13	2-Hexanone	40 U 400 U
2-Hexanone	0.086 U	4-Methyl-2-pentanone	39 300 U
4-Methyl-2-pentanone	0.24	Acetone	620 B 1100 B
Acetone	0.55	Benzene	40 100 U
Benzene	0.043 U	Bromodichloromethane	10 U 100 U
Bromodichloromethane	0.043 U	Bromoform	10 U 100 U
Bromoform	0.043 U	Bromomethane	20 U 200 U
Bromomethane	0.086 U	Carbon disulfide	10 U 100 U
Carbon disulfide	0.043 U	Carbon tetrachloride	10 U 100 U
Carbon tetrachloride	0.043 U	Chlorobenzene	190 100 U
Chlorobenzene	8.2	Chloroethane	26 200 U
Chloroethane	0.086 U	Chloroform	10 U 100 U
Chloroform	0.043 U	Chloromethane	20 U 200 U
Chloromethane	0.086 U	Dibromochloromethane	10 U 100 U
Dibromochloromethane	0.043 U	Ethylbenzene	74 100 U
Ethylbenzene	1.3	Methylene chloride	28 B 150 B
Methylene chloride	0.59 B	Styrene	10 U 100 U
Styrene	0.092	Tetrachloroethene	10 U 100 U
Tetrachloroethene	0.043 U	Toluene	19 100 U
Toluene	1.3	Trichloroethene	16 350
Trichloroethene	0.043 U		
Trichlorofluoromethane	0.086 U	Total Xylenes	59 100 U
Xylene (ortho)	4.5	Vinyl chloride	20 U 200 U
Xylene (para & meta)	9.7	cis-1,2-Dichloroethene	20 U 200 U
Vinyl chloride	0.086 U	cis-1,3-Dichloropropene	10 U 100 U
cis-1,2-Dichloroethene	0.043 U	trans-1,2-Dichloroethene	20 U 200 U
cis-1,3-Dichloropropene	0.043 U	trans-1,3-Dichloropropene	10 U 100 U
trans-1,2-Dichloroethene	0.043 U		
trans-1,3-Dichloropropene	0.043 U	Total Metals (ug/L)	
		Antimony	432
		Arsenic	3360
		Barium	4370
		Beryllium	43.9
		Cadmium	1.4 U
		Chromium	6840
		Copper	32700
		Lead	4460
		Mercury	2.9
		Nickel	9110
		Selenium	54.2
		Silver	17.1 J
		Thallium	91.7 U
		Zinc	11700

Percent Solids (% wt)

58

TABLE 10
Summary of Analytical Results
MOA Area B - Miscellaneous Waste Characterization Samples

Sludge Sample (*) MOA-B o/w Residue 11/26/96	
Reactivity (mg/kg dry wt)	
Cyanide, Reactive	10 U
Sulfide, Reactive	140
Ignitability	NI
pH	8.43
TCLP Metals (mg/L)	
Arsenic-TCLP	0.2 U
Barium-TCLP	1.1
Cadmium-TCLP	0.02 U
Chromium-TCLP	0.05 U
Lead-TCLP	0.73
Mercury-TCLP	0.002 U
Selenium-TCLP	0.4 U
Silver-TCLP	0.05 U
TCLP VOCs, SVOCs, Herbicides and Pesticides (ug/L)	
1,1-Dichloroethene-TCLP	50 U
1,2-Dichloroethane-TCLP	50 U
1,4-Dichlorobenzene-TCLP	100 U
2,4,5-Trichlorophenol-TCLP	100 U
2,4,6-Trichlorophenol-TCLP	100 U
2,4-D-TCLP	200 U
2,4-Dinitrotoluene-TCLP	100 U
2-Butanone-TCLP	100 U
Benzene-TCLP	50 U
Carbon tetrachloride-TCLP	50 U
Chlordane (technical)-TCLP	2 U
Chlorobenzene-TCLP	260
Chloroform-TCLP	50 U
Endrin-TCLP	1 U
Heptachlor and Epoxide-TCLP	1 U
Hexachlorobenzene-TCLP	100 U
Hexachlorobutadiene-TCLP	100 U
Hexachloroethane-TCLP	100 U
Methoxychlor-TCLP	2 U
Nitrobenzene-TCLP	100 U
Pentachlorophenol-TCLP	500 U
Pyridine-TCLP	100 U
Silvex-TCLP	200 U
Tetrachloroethene-TCLP	50 U
Toxaphene-TCLP	7 U
Trichloroethene-TCLP	50 U
Vinyl chloride-TCLP	100 U
gamma-BHC (lindane)-TCLP	1 U
o-Cresol-TCLP	100 U
p,m-Cresol-TCLP	100 U

Notes:

1. B = Analyte found in associated blank as well as in sample.
2. U = Compound was analyzed for but was not detected.
3. J = Estimated value between the instrument detection limit and the PQL.
4. * MOA-B o/w Residue - composite sample collected
from 5 of 62 drums of sludge and solids removed
from old oil/water separator prior to demolition. Sample
analysis by EMSL Analytical Inc., Westmont, New Jersey.
5. ** WT-1 - sample of water collected from between the walls
of the old oil-water separator and the former waste-oil UST
during demolition. Sample analysis by Katahdin
Analytical Services, Westbrook, Maine.
6. NI = not ignitable.

TABLE 11
Summary of Laboratory Analysis Results
MOA Area C - 1996 Test Boring Soil Samples
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

Test Boring Soil Samples: (MOA-C-...)

	B1(S1) (0.0-2.0') 11/06/96	B1(S2) (2.0-4.0') 11/06/96	B1(S5) (8.0-10.0') 11/06/96	B2(S1) (0.0-2.0') 11/07/96	B2(S2) (2.0-4.0') 11/07/96	B2A(S2) (8.0-10.0') 11/08/96	B3(S1) (0.0-2.0') 11/07/96	B3(S3) (5.0-7.0') 11/07/96	B3(S4) (7.0-9.0') 11/07/96	B4(S1) (0.0-2.0') 11/07/96
Metals (mg/kg dry wt)										
Antimony	0.23 JN	0.19 UN	0.2 UN	0.33 JN	0.17 UN	0.18 UN*	0.28 JN	0.18 UN	0.16 UN	0.18 UN
Arsenic	14.9 *	8.3 *	14.6 *	60.4 *	15.8 *	10.8 *	18.1 *	13.1 *	8.6 *	23.1 *
Beryllium	0.83	1.3	2.1	1.1	1.1	1.2	1.2	1.6	1.4	1.8
Cadmium	0.2 JN	0.02 UN	0.03 UN	2.9 N	0.2 JN	0.02 U*	0.72 JN	0.02 UN	0.02 UN	0.71 JN
Chromium	19.3 N	38.1 N	64.6 N	45.2 N	39.4 N	53.2	90.7 N	44.8 N	55.2 N	56.7 N
Copper	21.8 N	29.3 N	57.3 N	93.6 N	53.1 N	72.8 E*	258 N	41.2 N	36.5 N	68.9 N
Lead	25 N	20.9 N	25.8 N	55.2 N	37.8 N	22.4 *	96.1 N	28.7 N	19.3 N	71.7 N
Mercury	0.17	0.02 U	0.02 U	0.06	0.04 J	0.03 JN	0.09	0.02 U	0.02 U	0.02 U
Nickel	21.7 N	25.8 N	33.8 N	187 N	41.7 N	59.8 N*	169 N	34.8 N	37.7 N	78.8 N
Selenium	0.27 U	0.28 U	0.3 U	0.27 U	0.26 U	0.27 U	0.27 U	0.28 U	0.24 U	0.27 U
Silver	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Thallium	0.32 U	0.33 U	0.36 U	0.32 U	0.3 U	0.32 U	0.32 U	0.35 J	0.29 U	0.32 U
Zinc	207	82.3	170	519	263	131 E*	745	97.3	94.6	385
PAHs (mg/kg dry wt)										
2-Methylnaphthalene	0.044 J	0.027 J	0.43 U	0.033 J	0.023 J	0.033 J	0.014 J	0.4 U	0.36 U	0.4 U
Acenaphthene	0.36 U	0.041 J	0.43 U	0.066 J	0.063 J	0.4 U	0.017 J	0.4 U	0.36 U	0.4 U
Acenaphthylene	0.36 U	0.082 J	0.43 U	0.027 J	0.025 J	0.4 U	0.02 J	0.4 U	0.36 U	0.4 U
Anthracene	0.36 U	0.16 J	0.43 U	0.12 J	0.14 J	0.017 J	0.048 J	0.4 U	0.36 U	0.4 U
Benzo(a)anthracene	0.062 J	0.88	0.43 U	0.44	0.56	0.068 J	0.29 J	0.046 J	0.054 J	0.071 J
Benzo(a)pyrene	0.064 J	0.71	0.43 U	0.38 J	0.59	0.052 J	0.26 J	0.034 J	0.038 J	0.071 J
Benzo(b)fluoranthene	0.099 J	0.69	0.43 U	0.46	0.7	0.061 J	0.36 J	0.048 J	0.058 J	0.11 J
Benzo(g,h,i)perylene	0.047 J	0.4 J	0.43 U	0.22 J	0.34 J	0.035 J	0.21 J	0.021 J	0.36 U	0.048 J
Benzo(k)fluoranthene	0.035 J	0.18 J	0.43 U	0.17 J	0.19 J	0.02 J	0.097 J	0.018 J	0.36 U	0.047 J
Chrysene	0.073 J	1	0.43 U	0.48	0.62	0.077 J	0.34 J	0.044 J	0.059 J	0.079 J
Dibenzo(a,h)anthracene	0.36 U	0.15 J	0.43 U	0.056 J	0.087 J	0.4 U	0.046 J	0.4 U	0.36 U	0.4 U
Fluoranthene	0.11 J	1	0.43 U	0.7	0.84	0.082 J	0.36 J	0.08 J	0.087 J	0.11 J
Fluorene	0.36 U	0.079 J	0.43 U	0.081 J	0.4 U	0.029 J	0.022 J	0.4 U	0.36 U	0.4 U
Indeno(1,2,3-cd)pyrene	0.051 J	0.37 J	0.43 U	0.24 J	0.36 J	0.035 J	0.2 J	0.025 J	0.36 U	0.052 J
Naphthalene	0.36 U	0.022 J	0.43 U	0.025 J	0.026 J	0.4 U	0.012 J	0.4 U	0.36 U	0.4 U
Phenanthrene	0.054 J	0.86	0.43 U	0.71	0.63	0.16 J	0.27 J	0.058 J	0.068 J	0.056 J
Pyrene	0.099 J	1.8	0.43 U	0.84	1	0.16 J	0.53	0.071 J	0.1 J	0.13 J
Solids-Total Residue (wt %)	88	83	77	85	82	85	87	84	88	86

TABLE 11

Summary of Laboratory Analysis Results
MOA Area C - 1996 Test Boring Soil Samples
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

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Test Boring Soil Samples: (MOA-C...)

	B4(S2) (2.0-3.4') 11/07/96	B4(S6) (10.0-12.0') 11/07/96	B5(S1) (0.0-2.0') 11/07/96	B5(S2) (2.0-4.0') 11/07/96	B5(S5) (9.0-10.0') 11/07/96	B6(S1) (0.0-2.0') 11/07/96	B6(S2) (2.0-4.0') 11/07/96	B6(S5) (8.0-10.0') 11/07/96	B7(S1) (0.0-2.0') 11/08/96	B7(S3) (4.0-6.0') 11/08/96
Metals (mg/kg dry wt)										
Antimony	0.18 UN	0.18 UN	0.25 JN	0.19 UN	0.18 UN	0.34 JN	0.51 JN	0.19 UN	11 N	22.4 N
Arsenic	11.4 *	9.1 *	4.5 *	3.7 *	5.4 *	4 *	5.6 *	6.1 *	6.8 *	12.2 *
Beryllium	1.2	1.4	1.1	0.95	0.76	0.7	1	0.97	0.62	0.63
Cadmium	0.22 JN	0.02 UN	0.02 UN	0.02 UN	0.02 UN	0.69 JN	0.02 UN	0.02 UN	271 N*	175 N*
Chromium	43.9 N	42.1 N	27.2 N	15.6 N	25.7 N	19.6 N	21.1 N	20.4 N	483 N*	2200 N*
Copper	78.8 N	42.2 N	17 N	19.4 N	17.7 N	19.1 N	23.5 N	11.5 N	760 N*	1530 N*
Lead	23.7 N	22.5 N	19.7 N	18.2 N	9.3 N	28.4 N	48.5 N	12.9 N	724 N*	1070 N*
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 J	0.37	0.16
Nickel	52.5 N	33.8 N	17.2 N	11.2 N	17.8 N	11.5 N	16.5 N	12.4 N	80 N*	113 N*
Selenium	0.27 U	0.28 U	0.28 U	0.29 U	0.27 U	0.28 U	0.28 U	0.28 U	18.9 N	22.5 N
Silver	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	4.5	3.3
Thallium	0.73	0.33 U	0.33 U	0.34 U	0.32 U	0.33 U	0.32 U	0.33 U	0.34 U	0.36 U
Zinc	165	94.5	47.8	31.3	28.3	59	61	32.4	2880 *	10300 *
PAHs (mg/kg dry wt)										
2-Methylnaphthalene	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.038 J	0.4 U
Acenaphthene	0.033 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.037 J	0.061 J
Acenaphthylene	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.4 U
Anthracene	0.079 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.12 J	0.17 J
Benzo(a)anthracene	0.29 J	0.4 U	0.4 U	0.4 U	0.4 U	0.065 J	0.4 U	0.4 U	0.91	0.7
Benzo(a)pyrene	0.35 J	0.4 U	0.4 U	0.4 U	0.4 U	0.058 J	0.4 U	0.4 U	1	0.69
Benzo(b)fluoranthene	0.54	0.4 U	0.4 U	0.4 U	0.4 U	0.093 J	0.4 U	0.4 U	1.3	0.76
Benzo(g,h,i)perylene	0.24 J	0.4 U	0.4 U	0.4 U	0.4 U	0.05 J	0.4 U	0.4 U	0.83	0.4
Benzo(k)fluoranthene	0.19 J	0.4 U	0.4 U	0.4 U	0.4 U	0.037 J	0.4 U	0.4 U	0.48	0.28 J
Chrysene	0.35 J	0.4 U	0.4 U	0.4 U	0.4 U	0.058 J	0.4 U	0.4 U	0.84	0.69
Dibenzo(a,h)anthracene	0.066 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.23 J	0.18 J
Fluoranthene	0.51	0.4 U	0.4 U	0.4 U	0.4 U	0.076 J	0.4 U	0.4 U	1	0.92
Fluorene	0.033 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.031 J	0.15 J
Indeno(1,2,3-cd)pyre	0.27 J	0.4 U	0.4 U	0.4 U	0.4 U	0.049 J	0.4 U	0.4 U	0.85	0.4 J
Naphthalene	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.037 J	0.4 U
Phenanthrene	0.33 J	0.4 U	0.4 U	0.4 U	0.4 U	0.052 J	0.4 U	0.4 U	0.47	0.27 J
Pyrene	0.55	0.4 U	0.4 U	0.4 U	0.4 U	0.1 J	0.4 U	0.4 U	0.98	1.1
Solids-Total Residue (wt %)	87	84	84	84	82	85	86	83	76	

TABLE 11

Summary of Laboratory Analysis Results
MOA Area C - 1996 Test Boring Soil Samples
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

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Test Boring Soil Samples: (MOA-C...)

	B7(S3) rerun	B7(S5) (8.0-10.0') 11/08/96	B8(S1) (0.0-2.0') 11/08/96	B8(S2) (2.0-4.0') 11/08/96	B8(S2) dilution	B8(S5) (8.0-10.0') 11/08/96	B9(S1) (0.0-2.0') 11/08/96	B9(S2) (2.0-4.0') 11/08/96	B9(S5) (8.0-10.0') 11/08/96	B10(S1) (0.5-1.0') 11/08/96
Metals (mg/kg dry wt)										
Antimony		0.19 UN	5.1 N	1.1 UN		0.21 UN	0.18 UN	0.18 UN	0.19 UN	0.31 JN*
Arsenic		4.7 *	11.5 *	20.7 *		6.7 *	3.7 *	1.4 *	4.7 *	22.6 *
Beryllium		0.98	0.38 J	0.26 J		1.3	1.4	0.92	1	0.52
Cadmium		0.19 JN*	129 N*	97.4 N*		0.23 JN*	0.19 JN*	0.7 JN*	1.4 N*	3.7 *
Chromium		24.6 N*	676 N*	1660 N*		25.1 N*	22.4 N*	14.7 N*	44.6 N*	111
Copper		20.6 N*	1430 N*	9970 N*		20.1 N*	13.8 N*	20 N*	38.3 N*	250 E*
Lead		23.2 N*	906 N*	812 N*		29.6 N*	12.3 N*	10 N*	22 N*	146 *
Mercury		0.02 U	0.04 J	0.08		0.03 J	0.02 U	0.03 J	0.02 U	0.2 N
Nickel		12.8 N*	127 N*	370 N*		16.7 N*	14.5 N*	9.8 N*	114 N*	238 N*
Selenium		0.28 UN	2.9 N	6.3 N		0.9 JN	0.27 UN	0.27 UN	0.29 UN	0.27 U
Silver		0.11 U	3.3	7.9		0.12 U	0.11 U	0.11 U	0.11 U	0.19 J
Thallium		0.33 U	0.37 U	1.2 J		0.36 U	0.32 U	0.31 U	0.34 U	0.31 U
Zinc		40.2 *	8700 *	8520 *		63.6 *	61.1 *	45.9 *	266 *	1650 E*
PAHs (mg/kg dry wt)										
2-Methylnaphthalene	0.4 U	0.4 U	0.43 U	0.05 J	2.6 U	0.43 U	0.4 U	0.4 U	0.43 U	0.021 J
Acenaphthene	0.068 J	0.4 U	0.43 U	0.27 J	2.6 U	0.43 U	0.4 U	0.4 U	0.43 U	0.037 J
Acenaphthylene	0.4 U	0.4 U	0.43 U	0.43 U	2.6 U	0.43 U	0.4 U	0.4 U	0.43 U	0.36 U
Anthracene	0.17 J	0.4 U	0.43 U	1.2	1.1 J	0.43 U	0.4 U	0.4 U	0.43 U	0.066 J
Benzo(a)anthracene	0.67	0.4 U	0.098 J	9.1 E	7.8	0.43 U	0.032 J	0.11 J	0.046 J	0.28 J
Benzo(a)pyrene	0.81	0.4 U	0.091 J	11 E	12	0.43 U	0.069 J	0.096 J	0.43 U	0.28 J
Benzo(b)fluoranthene	0.84	0.4 U	0.15 J	17 E	14	0.43 U	0.056 J	0.13 J	0.43 U	0.38
Benzo(g,h,i)perylene	0.45	0.4 U	0.091 J	8 E	8.1	0.43 U	0.053 J	0.055 J	0.43 U	0.23 J
Benzo(k)fluoranthene	0.24 J	0.4 U	0.059 J	4.3	4.8	0.43 U	0.4 U	0.05 J	0.43 U	0.12 J
Chrysene	0.67	0.4 U	0.1 J	8.9 E	8.2	0.43 U	0.036 J	0.11 J	0.43 U	0.29 J
Dibenzo(a,h)anthracene	0.14 J	0.4 U	0.43 U	3.2	2 J	0.43 U	0.4 U	0.4 U	0.43 U	0.064 J
Fluoranthene	0.94	0.4 U	0.11 J	8.2 E	9.4	0.43 U	0.039 J	0.14 J	0.06 J	0.39
Fluorene	0.15 J	0.4 U	0.43 U	0.27 J	0.3 J	0.43 U	0.4 U	0.4 U	0.43 U	0.03 J
Indeno(1,2,3-cd)pyrene	0.45	0.4 U	0.081 J	9.4 E	8.8	0.43 U	0.041 J	0.06 J	0.042 J	0.24 J
Naphthalene	0.4 U	0.4 U	0.43 U	0.088 J	2.6 U	0.43 U	0.4 U	0.4 U	0.43 U	0.025 J
Phenanthrene	0.28 J	0.4 U	0.093 J	4.6	4.2	0.43 U	0.4 U	0.11 J	0.025 J	0.31 J
Pyrene	1.2	0.4 U	0.1 J	8.8 E	7.7	0.43 U	0.039 J	0.16 J	0.43 U	0.46
Solids-Total Residue (wt %)	78	82	75	76	77	82	84	80	87	

TABLE 11
Summary of Laboratory Analysis Results
MOA Area C - 1996 Test Boring Soil Samples
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

Test Boring Soil Samples: (MOA-C...)									
	B11(S2) (2.0-4.0') 11/08/96	B11(S2) rerun	B11(S3) (4.0-6.0') 11/08/96	B11(S3) rerun	B11(S6) (10.0-12.0') 11/08/96	B12(S1) (0.0-2.0') 11/09/96	B12(S2) (2.0-4.0') 11/09/96	B12(S5) (8.0-10.0') 11/09/96	B13(S1) (0.0-2.0') 11/09/96
Metals (mg/kg dry wt)									B13(S1) rerun
Antimony	10.4 N*		14.4 N*		1.8 N*	0.18 UN	0.19 UN	0.18 UN	0.19 UN
Arsenic	17.3 *		7.8 *		8.5 *	8.6 *	5.1 *	7.4 *	8.2 *
Beryllium	0.27 J		0.19 J		0.51	1.1	0.79	1	1.1
Cadmium	163 *		169 *		30.5 *	0.61 JN*	0.04 JN*	0.26 JN*	1.1 N*
Chromium	1700		1550		209	50.2 N*	36.4 N*	32.3 N*	87.7 N*
Copper	1620 E*		8740 E*		245 E*	204 N*	28.8 N*	30.5 N*	136 N*
Lead	1040 *		923 *		30.4 *	76.7 N*	24.3 N*	20.5 N*	64 N*
Mercury	0.87 N		0.1 N		0.03 N	0.34	0.02 U	0.02 U	0.19
Nickel	303 N*		317 N*		46.3 N*	383 N*	39.4 N*	22.9 N*	87.5 N*
Selenium	6		2.8		0.28 U	0.27 UN	0.29 UN	0.27 UN	0.28 UN
Silver	6.9		19		0.27 J	0.11 U	0.11 U	0.11 U	0.11 U
Thallium	0.41 U		0.79 U		0.33 U	0.32 U	0.36 J	0.43 J	0.35 J
Zinc	10400 E*		11700 E*		1840 E*	1770 *	96.7 *	73.8 *	876 *
PAHs (mg/kg dry wt)									
2-Methylnaphthalene	0.027 J	0.023 J	0.46 U	0.46 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Acenaphthene	0.5 U	0.5 U	0.46 U	0.46 U	0.4 U	0.4 U	0.4 U	0.053 J	0.4 U
Acenaphthylene	0.5 U	0.5 U	0.46 U	0.46 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	0.04 J	0.036 J	0.46 U	0.46 U	0.4 U	0.4 U	0.4 U	0.11 J	0.069 J
Benzo(a)anthracene	0.3 J	0.31 J	0.13 J	0.096 J	0.4 U	0.059 J	0.028 J	0.37 J	0.46
Benzo(a)pyrene	0.38 J	0.41 J	0.27 J	0.39 J	0.4 U	0.085 J	0.03 J	0.52	0.7
Benzo(b)fluoranthene	0.67	0.65	0.2 J	0.26 J	0.4 U	0.11 J	0.036 J	0.58	0.88
Benzo(g,h,i)perylene	0.63	0.62	0.091 J	0.13 J	0.4 U	0.072 J	0.026 J	0.29 J	0.46
Benzo(k)fluoranthene	0.16 J	0.22 J	0.04 J	0.081 J	0.4 U	0.032 J	0.4 U	0.13 J	0.22 J
Chrysene	0.3 J	0.4 J	0.36 J	0.39 J	0.4 U	0.069 J	0.031 J	0.4 J	0.53
Dibenzo(a,h)anthracene	0.23 J	0.14 J	0.46 U	0.46 U	0.4 U	0.4 U	0.4 U	0.12 J	0.14 J
Fluoranthene	0.33 J	0.34 J	0.1 J	0.14 J	0.4 U	0.082 J	0.047 J	0.55	0.76 J
Fluorene	0.5 U	0.5 U	0.46 U	0.46 U	0.4 U	0.4 U	0.4 U	0.098 J	0.042 J
Indeno(1,2,3-cd)pyrene	0.5	0.49 J	0.075 J	0.055 J	0.4 U	0.067 J	0.026 J	0.31 J	0.44
Naphthalene	0.063 J	0.053 J	0.46 U	0.46 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Phenanthrene	0.3 J	0.28 J	0.15 J	0.13 J	0.4 U	0.037 J	0.029 J	0.38 J	0.31 J
Pyrene	0.38 J	0.39 J	0.15 J	0.15 J	0.4 U	0.079 J	0.044 J	0.86	0.8 J
Solids-Total Residue (wt %)		66		71	85	83	83	83	81

TABLE 11

Summary of Laboratory Analysis Results
MOA Area C - 1996 Test Boring Soil Samples
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

Page 5 of 6

Test Boring Soil Samples: (MOA-C...)

	Duplicate 1 (B13(S1) dup) 11/09/96	B13(S2) (2.0-4.0') 11/09/96	B13(S4) (6.0-8.0') 11/09/96	B13(S4) rerun	B13(S4) dilution	B14(S1) (0.8-2.8') 11/09/96	Duplicate 2 (B14(S1) dup) 11/09/96	B14(S2) (2.8-4.8') 11/09/96	B14(S5) (8.0-10.0') 11/09/96	B15(S1) (0.8-2.8') 11/09/96
Metals (mg/kg dry wt)										
Antimony	0.17 UN	0.19 UN	4.4 UN			0.15 UN	0.21 UN	0.19 UN	0.19 UN	7.5 N*
Arsenic	9 *	9.3 *	24.8 *			13.2 *	14.9 *	8.8 *	6 *	9 *
Beryllium	0.94	1.1	0.9			1.6	2.4	0.97	1.1	0.86
Cadmium	1.2 N*	0.77 JN*	200 N*			0.66 JN*	0.78 JN*	1.7 N*	5.3 N*	233 *
Chromium	130 N*	70.9 N*	1650 N*			58.1 N*	68.8 N*	69.8 N*	86.2 N*	188
Copper	274 N*	176 N*	6820 N*			48.1 N*	69.1 N*	55.1 N*	67.3 N*	1260 E*
Lead	102 N*	69.7 N*	2390 N*			35 N*	34.7 N*	48.9 N*	127 N*	190 *
Mercury	0.09	0.15	0.34			0.02 U	0.03 U	0.03 J	0.03 J	0.11 N
Nickel	109 N*	78.2 N*	113 N*			74.5 N*	53.6 N*	47.8 N*	72.4 N*	110 N*
Selenium	0.25 UN	0.28 UN	2.9 N			0.48 JN	0.31 UN	0.29 UN	0.29 UN	0.27 U
Silver	0.23 J	0.11 U	11.4			0.09 U	0.12 U	0.19 J	0.78 J	0.44 J
Thallium	0.35 J	0.33 J	0.78 J			0.45 J	0.36 U	0.34 U	0.34 U	0.31 U
Zinc	822 *	440 *	8840 *			183 *	192 *	232 *	322 *	1630 E*
PAHs (mg/kg dry wt)										
2-Methylnaphthalene	0.36 U	0.4 U	0.46 U	0.46 U	2.7 U	0.4 U	0.43 U	0.4 U	0.13 J	0.48
Acenaphthene	0.36 U	0.4 U	0.46 U	0.46 U	2.7 U	0.047 J	0.032 J	0.4 U	0.37 J	0.2 J
Acenaphthylene	0.36 U	0.4 U	0.46 U	0.46 U	2.7 U	0.061 J	0.046 J	0.4 U	0.033 J	0.36 U
Anthracene	0.052 J	0.061 J	0.46 U	0.46 U	0.031 J	0.22 J	0.15 J	0.4 U	0.7	0.097 J
Benzo(a)anthracene	0.35 J	0.48	0.14 J	0.1 J	0.12 J	0.88	0.71	0.4 U	1.2	0.38
Benzo(a)pyrene	0.54	0.56	0.46 U	0.46 U	0.079 J	0.6	0.49	0.4 U	1.1	0.38
Benzo(b)fluoranthene	0.68	0.79	0.46 U	0.23 J	0.12 J	0.59	0.5	0.4 U	1.6	0.52
Benzo(g,h,i)perylene	0.38	0.36 J	0.46 U	0.46 U	0.087 J	0.31 J	0.26 J	0.4 U	0.72	0.25 J
Benzo(k)fluoranthene	0.13 J	0.18 J	0.46 U	0.46 U	0.053 J	0.13 J	0.17 J	0.4 U	0.44	0.17 J
Chrysene	0.33 J	0.52	0.16 J	0.14 J	0.1 J	0.95	0.83	0.4 U	1.2	0.39
Dibenzo(a,h)anthracene	0.082 J	0.092 J	0.46 U	0.46 U	0.046 J	0.07 J	0.055 J	0.4 U	0.19 J	0.095 J
Fluoranthene	0.38	0.47	0.1 J	0.16 J	0.22 J	0.97	0.77	0.04 J	2.4	0.65
Fluorene	0.038 J	0.4 U	0.46 U	0.46 U	2.7 U	0.1 J	0.058 J	0.4 U	0.49 J	0.17 J
Indeno(1,2,3-cd)pyre	0.4	0.39 J	0.46 U	0.46 U	0.074 J	0.27 J	0.23 J	0.4 U	0.81	0.23 J
Naphthalene	0.36 U	0.4 U	0.46 U	0.46 U	2.7 U	0.4 U	0.43 U	0.4 U	0.15 J	0.45
Phenanthrene	0.087 J	0.2 J	0.29 J	0.35 J	0.29 J	1	0.71	0.4 U	2.2	0.73
Pyrene	0.48	0.72	0.45 J	0.57	0.19 J	2.1	1.6	0.058 J	2	0.92
Solids-Total Residue (wt %)	89	84			72	85	77	84	83	87

TABLE 11
Summary of Laboratory Analysis Results
MOA Area C - 1996 Test Boring Soil Samples
General Motors Corporation - Delphi Interior & Lighting Systems
Trenton, New Jersey

Test Boring Soil Samples: (MOA-C...)				
	B15(S3) (4.0-6.0') 11/09/96	B15(S3) rerun	B15(S6) (10.0-12.0') 11/09/96	Duplicate 3 (B15(S6) dup) 11/09/96
Metals (mg/kg dry wt)				
Antimony	20.1 N*		9.2 N*	5.4 N*
Arsenic	16.8 *		17.1 *	7.3 *
Beryllium	0.34 J		0.53	0.65
Cadmium	507 *		124 *	78.1 *
Chromium	1850		1370	454
Copper	2180 E*		4310 E*	350 E*
Lead	816 *		894 *	342 *
Mercury	0.56 N		0.25 N	0.43 N
Nickel	685 N*		228 N*	105 N*
Selenium	17.2		3.6	3
Silver	11.3		8.5	7.4
Thallium	0.36 U		1.8 U	0.62 U
Zinc	8520 E*		10600 E*	250 E*
PAHs (mg/kg dry wt)				
2-Methylnaphthalene	0.43 U	0.43 U	0.43 U	0.43 U
Acenaphthene	0.43 U	0.43 U	0.43 U	0.43 U
Acenaphthylene	0.43 U	0.43 U	0.43 U	0.43 U
Anthracene	0.43 U	0.43 U	0.43 U	0.43 U
Benzo(a)anthracene	0.43 U	0.43 U	0.43 U	0.037 J
Benzo(a)pyrene	0.14 J	0.15 J	0.046 J	0.045 J
Benzo(b)fluoranthene	0.43 U	0.43 U	0.063 J	0.068 J
Benzo(g,h,i)perylene	0.052 J	0.054 J	0.031 J	0.029 J
Benzo(k)fluoranthene	0.43 U	0.43 U	0.43 U	0.017 J
Chrysene	0.24 J	0.26 J	0.078 J	0.073 J
Dibenzo(a,h)anthracene	0.43 U	0.43 U	0.43 U	0.43 U
Fluoranthene	0.065 J	0.079 J	0.069 J	0.075 J
Fluorene	0.43 U	0.43 U	0.43 U	0.43 U
Indeno(1,2,3-cd)pyrene	0.43 U	0.43 U	0.43 U	0.022 J
Naphthalene	0.43 U	0.43 U	0.43 U	0.027 J
Phenanthrene	0.1 J	0.15 J	0.092 J	0.095 J
Pyrene	0.14 J	0.14 J	0.069 J	0.1 J
Solids-Total Residue (wt %)	78		76	80

Notes:

1. N = Spiked sample recovery not within control limits (inorganic analysis only).
2. B = Analyte found in associated blank as well as in sample.
3. J = Estimated value between the instrument detection limit and the PQL.
4. E = Concentration exceeds the calibration range.
5. U = Compound was analyzed for but was not detected.
6. Samples analyzed by Katahdin Analytical Services, Westbrook, Maine.

TABLE 12 **Summary of Historic Groundwater Quality Data**
MOA Area D - Former Gasoline UST Area
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

WELL	SAMPLE DATE	CONSTITUENT	CONCENTRATION (ppb)
UST-1	11-May-88	BENZENE	41
UST-1	16-Feb-89	BENZENE	59
UST-1	11-May-88	ETHYLBENZENE	ND
UST-1	16-Feb-89	ETHYLBENZENE	ND
UST-1	11-May-88	TOLUENE	2.3
UST-1	16-Feb-89	TOLUENE	ND
UST-1	11-May-88	XYLENES	ND
UST-1	16-Feb-89	XYLENES	ND
UST-2	11-May-88	BENZENE	1600
UST-2	16-Feb-89	BENZENE	160
UST-2	24-Mar-94	BENZENE	18
UST-2	05-May-94	BENZENE	6.8
UST-2	11-May-88	ETHYLBENZENE	ND
UST-2	16-Feb-89	ETHYLBENZENE	250
UST-2	24-Mar-94	ETHYLBENZENE	55
UST-2	05-May-94	ETHYLBENZENE	28
UST-2	11-May-88	TOLUENE	1400
UST-2	16-Feb-89	TOLUENE	250
UST-2	24-Mar-94	TOLUENE	39
UST-2	05-May-94	TOLUENE	14
UST-2	11-May-88	XYLENES	2200
UST-2	16-Feb-89	XYLENES	460
UST-2	24-Mar-94	XYLENES	160
UST-2	05-May-94	XYLENES	56
UST-3	11-May-88	BENZENE	1600
UST-3	16-Feb-89	BENZENE	27
UST-3	11-May-88	ETHYLBENZENE	ND
UST-3	16-Feb-89	ETHYLBENZENE	ND
UST-3	11-May-88	TOLUENE	360
UST-3	16-Feb-89	TOLUENE	ND
UST-3	11-May-88	XYLENES	740
UST-3	16-Feb-89	XYLENES	17
UST-4	11-May-88	BENZENE	63
UST-4	16-Feb-89	BENZENE	26
UST-4	24-Mar-94	BENZENE	0
UST-4	05-May-94	BENZENE	0
UST-4	11-May-88	ETHYLBENZENE	0.66
UST-4	16-Feb-89	ETHYLBENZENE	ND
UST-4	24-Mar-94	ETHYLBENZENE	0
UST-4	05-May-94	ETHYLBENZENE	0
UST-4	11-May-88	TOLUENE	2.6
UST-4	16-Feb-89	TOLUENE	18
UST-4	24-Mar-94	TOLUENE	0
UST-4	05-May-94	TOLUENE	5
UST-4	11-May-88	XYLENES	ND
UST-4	16-Feb-89	XYLENES	120
UST-4	24-Mar-94	XYLENES	0
UST-4	05-May-94	XYLENES	0
UST-5	16-Feb-89	BENZENE	1800
UST-5	01-Nov-90	BENZENE	890

TABLE 12 **Summary of Historic Groundwater Quality Data**
MOA Area D - Former Gasoline UST Area
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

WELL	SAMPLE DATE	CONSTITUENT	CONCENTRATION (ppb)
UST-5	31-Jan-91	BENZENE	890
UST-5	28-Feb-91	BENZENE	1200
UST-5	21-May-91	BENZENE	1300
UST-5	22-Aug-91	BENZENE	960
UST-5	20-Nov-91	BENZENE	1600
UST-5	17-Feb-92	BENZENE	ND
UST-5	20-May-92	BENZENE	800
UST-5	19-Aug-92	BENZENE	1000
UST-5	19-Nov-92	BENZENE	ND
UST-5	26-May-93	BENZENE	2200
UST-5	24-Mar-94	BENZENE	79
UST-5	05-May-94	BENZENE	170
UST-5	16-Feb-89	ETHYLBENZENE	19
UST-5	01-Nov-90	ETHYLBENZENE	270
UST-5	31-Jan-91	ETHYLBENZENE	270
UST-5	28-Feb-91	ETHYLBENZENE	580
UST-5	21-May-91	ETHYLBENZENE	160
UST-5	22-Aug-91	ETHYLBENZENE	580
UST-5	20-Nov-91	ETHYLBENZENE	760
UST-5	17-Feb-92	ETHYLBENZENE	ND
UST-5	20-May-92	ETHYLBENZENE	320
UST-5	19-Aug-92	ETHYLBENZENE	440
UST-5	19-Nov-92	ETHYLBENZENE	260
UST-5	26-May-93	ETHYLBENZENE	1200
UST-5	24-Mar-94	ETHYLBENZENE	0
UST-5	05-May-94	ETHYLBENZENE	0
UST-5	16-Feb-89	TOLUENE	3.8
UST-5	01-Nov-90	TOLUENE	190
UST-5	31-Jan-91	TOLUENE	190
UST-5	28-Feb-91	TOLUENE	950
UST-5	21-May-91	TOLUENE	51
UST-5	22-Aug-91	TOLUENE	270
UST-5	20-Nov-91	TOLUENE	270
UST-5	17-Feb-92	TOLUENE	ND
UST-5	20-May-92	TOLUENE	340
UST-5	19-Aug-92	TOLUENE	110
UST-5	19-Nov-92	TOLUENE	160
UST-5	26-May-93	TOLUENE	2700
UST-5	24-Mar-94	TOLUENE	0
UST-5	05-May-94	TOLUENE	0
UST-5	16-Feb-89	XYLENES	3200
UST-5	24-Mar-94	XYLENES	0
UST-5	05-May-94	XYLENES	0
UST-6	16-Feb-89	BENZENE	ND
UST-6	16-Feb-89	ETHYLBENZENE	ND
UST-6	16-Feb-89	TOLUENE	ND
UST-6	16-Feb-89	XYLENES	2.5
UST-7	16-Feb-89	BENZENE	2.2
UST-7	01-Aug-90	BENZENE	7
UST-7	01-Nov-90	BENZENE	1

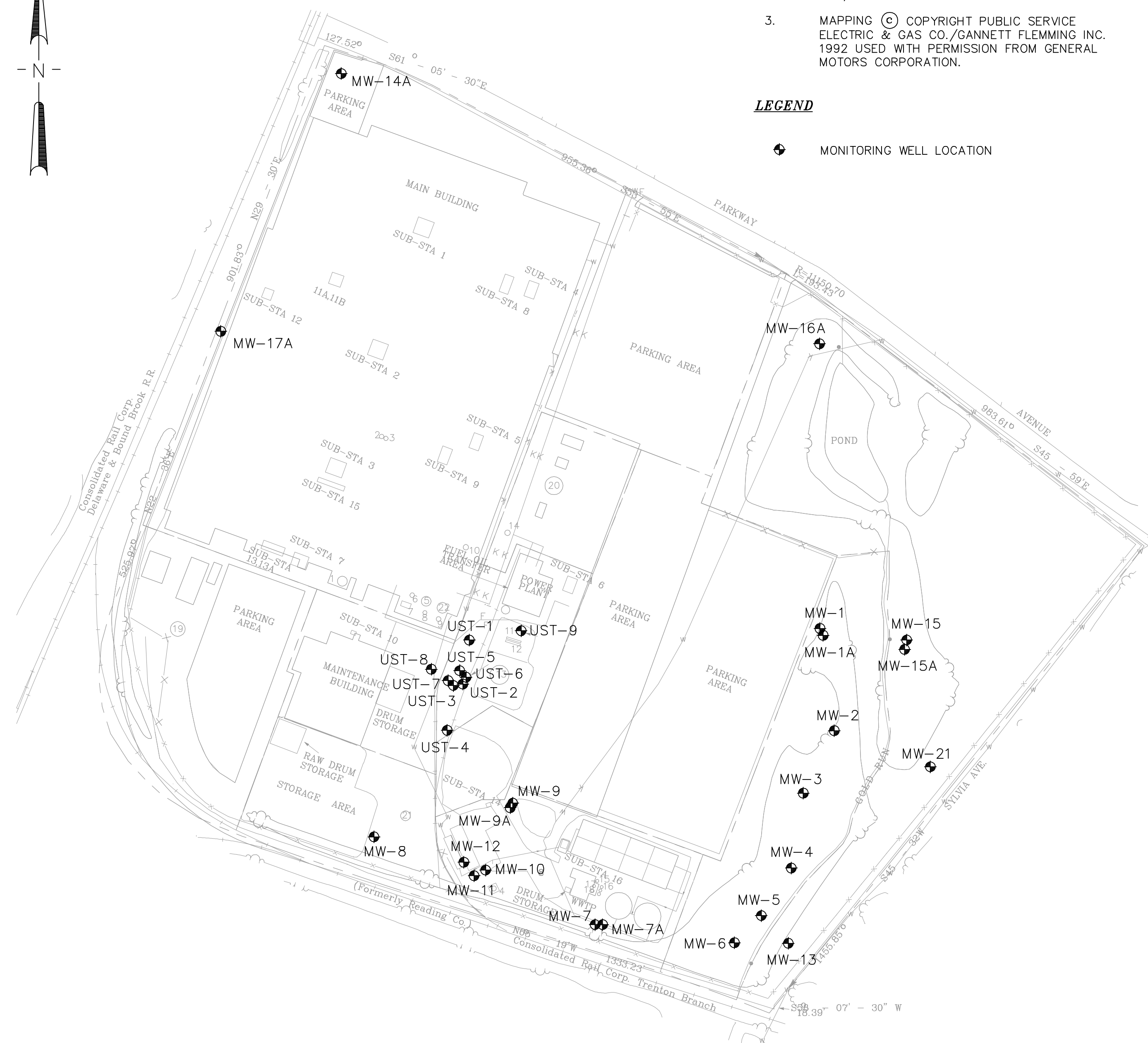
TABLE 12 **Summary of Historic Groundwater Quality Data**
MOA Area D - Former Gasoline UST Area
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

WELL	SAMPLE DATE	CONSTITUENT	CONCENTRATION (ppb)
UST-7	31-Jan-91	BENZENE	1
UST-7	28-Feb-91	BENZENE	ND
UST-7	22-May-91	BENZENE	ND
UST-7	22-Aug-91	BENZENE	ND
UST-7	20-Nov-91	BENZENE	ND
UST-7	17-Feb-92	BENZENE	250
UST-7	20-May-92	BENZENE	ND
UST-7	19-Aug-92	BENZENE	ND
UST-7	19-Nov-92	BENZENE	ND
UST-7	26-May-93	BENZENE	ND
UST-7	24-Mar-94	BENZENE	0
UST-7	05-May-94	BENZENE	0
UST-7	16-Feb-89	ETHYLBENZENE	ND
UST-7	01-Aug-90	ETHYLBENZENE	3
UST-7	01-Nov-90	ETHYLBENZENE	ND
UST-7	31-Jan-91	ETHYLBENZENE	ND
UST-7	28-Feb-91	ETHYLBENZENE	ND
UST-7	22-May-91	ETHYLBENZENE	ND
UST-7	22-Aug-91	ETHYLBENZENE	ND
UST-7	20-Nov-91	ETHYLBENZENE	ND
UST-7	17-Feb-92	ETHYLBENZENE	67
UST-7	20-May-92	ETHYLBENZENE	ND
UST-7	19-Aug-92	ETHYLBENZENE	ND
UST-7	19-Nov-92	ETHYLBENZENE	ND
UST-7	26-May-93	ETHYLBENZENE	ND
UST-7	24-Mar-94	ETHYLBENZENE	0
UST-7	05-May-94	ETHYLBENZENE	0
UST-7	16-Feb-89	TOLUENE	ND
UST-7	01-Aug-90	TOLUENE	9
UST-7	01-Nov-90	TOLUENE	ND
UST-7	31-Jan-91	TOLUENE	ND
UST-7	28-Feb-91	TOLUENE	ND
UST-7	22-May-91	TOLUENE	ND
UST-7	22-Aug-91	TOLUENE	ND
UST-7	20-Nov-91	TOLUENE	ND
UST-7	17-Feb-92	TOLUENE	ND
UST-7	20-May-92	TOLUENE	ND
UST-7	19-Aug-92	TOLUENE	ND
UST-7	19-Nov-92	TOLUENE	ND
UST-7	26-May-93	TOLUENE	ND
UST-7	24-Mar-94	TOLUENE	0
UST-7	05-May-94	TOLUENE	5
UST-7	16-Feb-89	XYLENES	2.5
UST-7	24-Mar-94	XYLENES	0
UST-7	05-May-94	XYLENES	0
UST-8	16-Feb-89	BENZENE	490
UST-8	01-Aug-90	BENZENE	850
UST-8	01-Nov-90	BENZENE	520
UST-8	31-Jan-91	BENZENE	520
UST-8	28-Feb-91	BENZENE	560

TABLE 12 **Summary of Historic Groundwater Quality Data**
MOA Area D - Former Gasoline UST Area
General Motors Corporation - Delphi Interior Lighting Systems
Trenton, New Jersey

WELL	SAMPLE DATE	CONSTITUENT	CONCENTRATION (ppb)
UST-8	22-May-91	BENZENE	1000
UST-8	22-Aug-91	BENZENE	670
UST-8	20-Nov-91	BENZENE	23
UST-8	17-Feb-92	BENZENE	ND
UST-8	20-May-92	BENZENE	300
UST-8	19-Aug-92	BENZENE	26
UST-8	19-Nov-92	BENZENE	100
UST-8	26-May-93	BENZENE	650
UST-8	24-Mar-94	BENZENE	440
UST-8	05-May-94	BENZENE	330
UST-8	16-Feb-89	ETHYLBENZENE	76
UST-8	01-Aug-90	ETHYLBENZENE	260
UST-8	01-Nov-90	ETHYLBENZENE	190
UST-8	31-Jan-91	ETHYLBENZENE	190
UST-8	28-Feb-91	ETHYLBENZENE	160
UST-8	22-May-91	ETHYLBENZENE	300
UST-8	22-Aug-91	ETHYLBENZENE	210
UST-8	20-Nov-91	ETHYLBENZENE	ND
UST-8	17-Feb-92	ETHYLBENZENE	ND
UST-8	20-May-92	ETHYLBENZENE	76
UST-8	19-Aug-92	ETHYLBENZENE	ND
UST-8	19-Nov-92	ETHYLBENZENE	ND
UST-8	26-May-93	ETHYLBENZENE	150
UST-8	24-Mar-94	ETHYLBENZENE	180
UST-8	05-May-94	ETHYLBENZENE	110
UST-8	16-Feb-89	TOLUENE	ND
UST-8	01-Aug-90	TOLUENE	110
UST-8	01-Nov-90	TOLUENE	21
UST-8	31-Jan-91	TOLUENE	21
UST-8	28-Feb-91	TOLUENE	8
UST-8	22-May-91	TOLUENE	ND
UST-8	22-Aug-91	TOLUENE	74
UST-8	20-Nov-91	TOLUENE	ND
UST-8	17-Feb-92	TOLUENE	ND
UST-8	20-May-92	TOLUENE	ND
UST-8	19-Aug-92	TOLUENE	ND
UST-8	19-Nov-92	TOLUENE	ND
UST-8	26-May-93	TOLUENE	ND
UST-8	24-Mar-94	TOLUENE	52
UST-8	05-May-94	TOLUENE	25
UST-8	16-Feb-89	XYLENES	89
UST-8	24-Mar-94	XYLENES	230
UST-8	05-May-94	XYLENES	90
UST-9	16-Feb-89	BENZENE	9
UST-9	16-Feb-89	ETHYLBENZENE	ND
UST-9	16-Feb-89	TOLUENE	1.5
UST-9	16-Feb-89	XYLENES	1.6

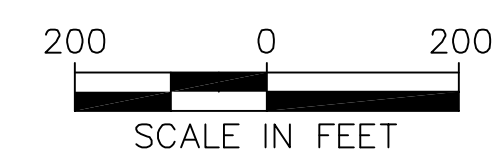
1. ALL LOCATIONS ARE APPROXIMATE.
2. SOURCE: BASEMAP FROM URS CONSULTING, INC., 1996.
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 MONITORING WELL LOCATION

SITE PLAN



MOA AREA LOCATION MAP



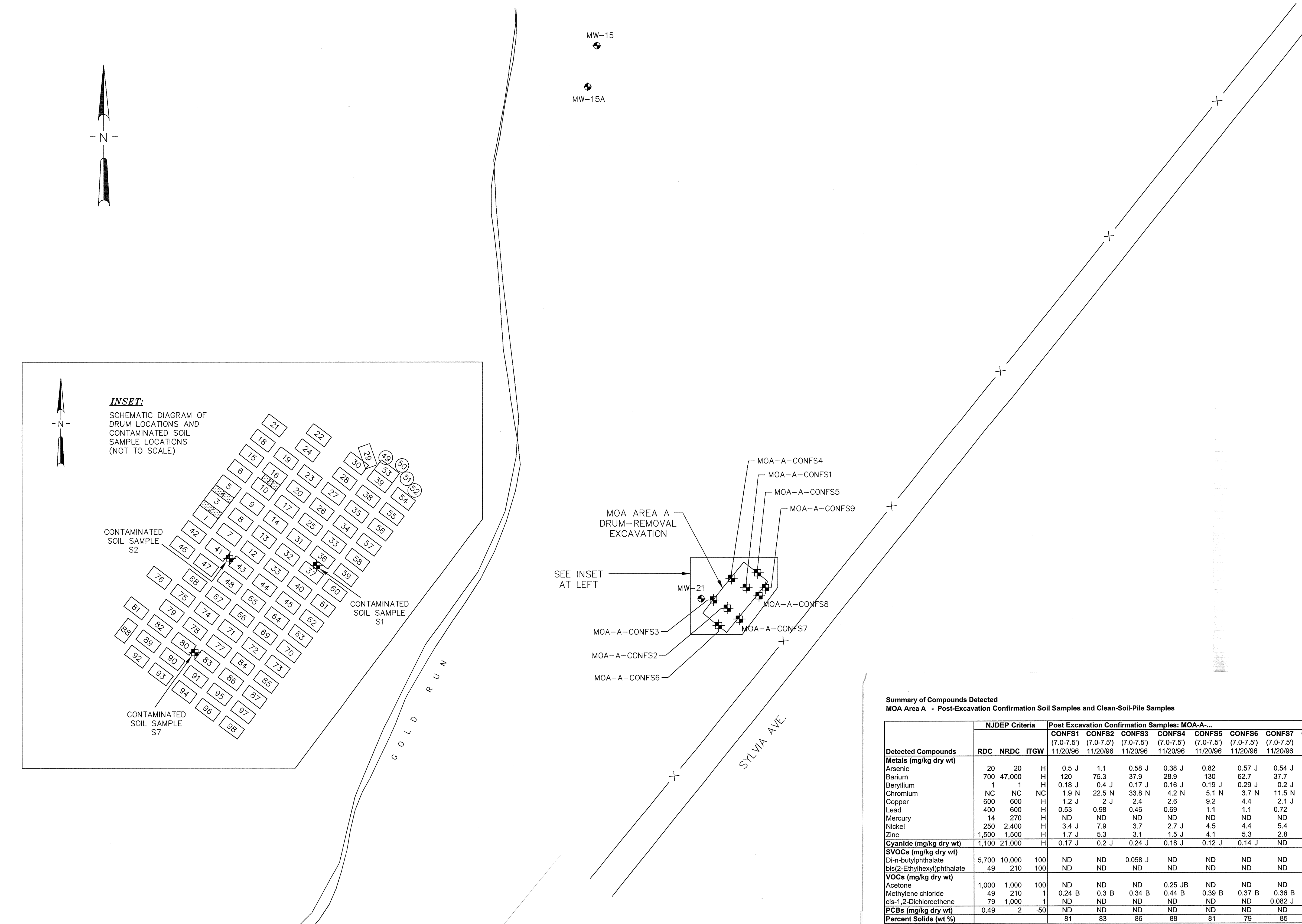
**UNDERGROUND
ENGINEERING &
ENVIRONMENTAL
SOLUTIONS**

REMEDIAL INVESTIGATION REPORT
MOA CASE No. 95-2-22-1407-48
GENERAL MOTORS CORPORATION
TRENTON, NEW JERSEY

SITE PLAN AND MOA AREA LOCATION MAP

SCALE: AS SHOWN

JULY 1997

**LEGEND:**

- MONITORING WELL LOCATION
- SOIL SAMPLE LOCATION
- FENCE LINE

Summary of Compounds Detected, MOA Area A Groundwater Samples

Compounds Detected	NJDEP Class II-A Criteria / PQL	02/20/97		03/06/97	
		MW-21 (MW-21 dup)	MW-210 (MW-21 dup)	MW-21 (MW-21 dup)	MW-210 (MW-21 dup)
Metals (ug/L)					
Barium	2000 / 20	510	430	280	260
Cadmium	4 / 2	ND	ND	0.82	23
Copper	1000 / 1000	69	59	ND	ND
Lead	5 / 10	14	16	9.6	6.2
Mercury	2 / 0.5	ND	ND	0.22	ND
Zinc	5000 / 30	110	86	ND	ND
Total Cyanide (ug/L)		ND	ND	ND	ND
PCBs (ug/L)					
Aroclor-1016	0.02 / 0.5	ND	ND	0.65	ND
VOCs (ug/L)					
Methylene chloride	2 / 2	7 B	7 B	5 JB	4 JB
Trichloroethene	1 / 1	94	89	48	48
cis-1,2-Dichloroethene	10 / 2	17	16	10	9
BN SVOCs (ug/L)		ND	ND	ND	ND

- Notes:
1. B = Analyte found in associated blank as well as in sample.
 2. J = Estimated value between the instrument detection limit and the Practical quantitation level.
 3. ND = Compound was analyzed for but was not detected.
 4. Samples analyzed by EMSL Analytical Inc., Westmont, New Jersey.

Summary of Compounds Detected, MOA Area A - Post-Excavation Confirmation Soil Samples and Clean-Soil-Pile Samples

Detected Compounds	NJDEP Criteria			Post Excavation Confirmation Samples: MOA-A...								
	RDC	NRDC	ITGW	CONF51 (7.0-7.5)	CONF52 (7.0-7.5)	CONF53 (7.0-7.5)	CONF54 (7.0-7.5)	CONF55 (7.0-7.5)	CONF56 (7.0-7.5)	CONF57 (7.0-7.5)	CONF58 (7.0-7.5)	CONF59 (7.5)
Metals (mg/kg dry wt)												
Arsenic	20	20	H	0.5 J	1.1	0.58 J	0.38 J	0.82	0.57 J	0.54 J	0.65 J	
Barium	700	47,000	H	120	75.3	37.9	28.9	130	62.7	37.7	49.9	75.7
Beryllium	1	1	H	0.18 J	0.4 J	0.17 J	0.16 J	0.19 J	0.29 J	0.2 J	0.26 J	
Chromium	NC	NC	NC	1.9 N	22.5 N	33.8 N	4.2 N	5.1 N	3.7 N	11.5 N	12.3 N	
Copper	600	600	H	1.2 J	2 J	2.4	2.6	9.2	4.4	2.1 J	2.2 J	
Lead	400	600	H	0.53	0.98	0.46	0.69	1.1	1.1	0.72	0.87	
Mercury	14	270	H	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel	250	2,400	H	3.4 J	7.9	3.7	2.7 J	4.5	4.4	5.4	6	
Zinc	1,500	1,500	H	1.7 J	5.3	3.1	1.5 J	4.1	5.3	2.8	2.8	
Cyanide (mg/kg dry wt)	1,100	21,000	H	0.17 J	0.2 J	0.24 J	0.18 J	0.12 J	0.14 J	ND	0.21 J	
SVOCs (mg/kg dry wt)												
Di-n-butylphthalate	5,700	10,000	100	ND	ND	0.058 J	ND	ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	49	210	100	ND	ND	ND	ND	ND	ND	ND	ND	
VOCs (mg/kg dry wt)												
Acetone	1,000	1,000	100	ND	ND	ND	0.25 JB	ND	ND	ND	ND	
Methylene chloride	49	210	1	0.24 B	0.3 B	0.34 B	0.44 B	0.39 B	0.37 B	0.36 B	0.38 B	
cis-1,2-Dichloroethene	79	1,000	1	ND	ND	ND	ND	ND	ND	0.082 J	ND	
PCBs (mg/kg dry wt)	0.49	2	50	ND	ND	ND	ND	ND	ND	ND	ND	
Percent Solids (wt %)				81	83	86	88	81	79	85	82	82

Detected Compounds	NJDEP Criteria			Clean-Soil-Pile Samples: MOA-A...					
	RDC	NRDC	ITGW	CS1	CS2	CS3	CS4	CS5	CS6
Metals (mg/kg dry wt)									
Arsenic	20	20	H	5.3	6	5.3	5.8	4.2	3.9
Barium	700	47,000	H	88.4	80.7	103	63.7	124	112
Beryllium	1	1	H	0.68	0.68	0.86	0.59	0.56	0.53
Chromium	NC	NC	NC	20.4 N	20.4 N	17 N	21.2 N	30 N	26.4 N
Copper	600	600	H	11	10.4	7.4	8.3	8.5	9
Lead	400	600	H	26.1	11	19.1	10.8	12.4	12.9
Mercury	14	270	H	0.04	0.03 B	0.06	0.03 B	0.03 B	0.04
Nickel	250	2,400	H	12.4	12.6	11.9	11.2	10.5	10.4
Zinc	1,500	1,500	H	42	37.7	45.3	33.2	34.6	29.7
Cyanide (mg/kg dry wt)	1,100	21,000	H	ND	0.1 B	0.1 B	ND	ND	0.1 B
SVOCs (mg/kg dry wt)									
Di-n-butylphthalate	5,700	10,000	100	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	49	210	100	ND	ND	0.048 J	ND	ND	ND
VOCs (mg/kg dry wt)									
Acetone	1,000	1,000	100	ND	0.3 J	ND	0.14 JB	ND	ND
Methylene chloride	49	210	1	0.38 B	0.4 B	0.44 B	0.39 B	0.19 B	0.38 B
cis-1,2-Dichloroethene	79	1,000	1	ND	ND	ND	ND	ND	ND
PCBs (mg/kg dry wt)	0.49	2	50	ND	ND	ND	ND	ND	ND
Percent Solids (wt %)				85	81	82	80	85	84

- Notes:
1. NJDEP Soil Cleanup Criteria are given in mg/kg (ppm).
 2. RDC = Residential Direct Contact Soil Cleanup Criteria.
 3. NRDC = Non Residential Direct Contact Soil Cleanup Criteria.
 4. ITGW = Impact to Groundwater Soil Cleanup Criteria.
 5. NC = No criteria listed.
 6. H = ITGW values for inorganics would be based on site-specific chemical and physical parameters.
 7. N = Spiked sample recovery not within control limits (inorganic analysis only).
 8. B = Analyte found in associated blank as well as in sample.
 9. J = Estimated value between the instrument detection limit and the PQL.
 10. ND = Compound was analyzed for but was not detected.
 11. Samples analyzed by Katahdin Analytical Services, Westbrook, Maine.

Summary of Compounds Detected in MOA Area A Drum Samples

Compounds detected:	Drum 1 11/08/96		Drum 2 11/08/96	Drum 4 11/08/96	Drum 10 11/13/96	Drum 11 11/13/96	Drum 12 11/13/96	Drum 13 11/13/96	Drum 14 11/13/96	Drum 15 11/13/96	Drum 17 11/14/96	Drum 24 11/14/96
	Solids	Liquid										
Total Metals (mg/kg dry wt)												
Arsenic	ND	ND	ND	16								
Barium	220000	640000	18000									
Cadmium	2.5	2.1	ND									
Chromium	97000	64000	820									
Chromium, Hexavalent	2500											
Copper	24	210	39									
Lead	25	ND	29									
Nickel	120	94	17									
Thallium	ND	84	ND									
Zinc	420	14000	890									
Total PCBs (mg/kg dry wt)	ND	ND	ND									
Total VOCs (mg/kg dry wt, except mg/L where noted)												
4-Methyl-2-pentanone	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	43	ND	0.038 J	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	18 B	15 mg/L B	29 B	150 B	0.38 B	8.4 B	0.058 B	38 B	9.1 B	184000 B	260 B	19 B
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	11	9.1 mg/L	2.2	3400	0.053	4.6	0.016 J	16	11	530000	230	15
Vinyl chloride	2.7	2.3 mg/L	ND	ND	ND	ND	0.067	2.1	ND	ND	ND	ND
Xylene (para & meta)	ND	ND	0.89 J	76 J	ND	ND	0.52 J	3600 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	7.4	7.4 mg/L	ND	ND	0.071	ND	0.14	14	ND	ND	ND	ND
Total SVOCs (mg/kg dry wt)												
2-Methylnaphthalene	ND	ND	0.76									
Naphthalene	ND	ND	5.1									
bis(2-Ethylhexyl)phthalate	ND	ND	5									
Ignitability	NI	NI										
Tot. Cyanide (mg/kg dry wt)	0.25 U	0.25 U	0.25 U									
Reac. Cyanide (mg/kg dry wt)	10 U	10 U										
Reac. Sulfide (mg/kg dry wt)	10 U	10 U										
pH	10.8	7.2										
Total solids (%)	47	45	78									

TCLP extract of composite sample of drum contents:

Compounds detected:	Drum Comp 12/23/96 (dilution)
TCLP Metals (ug/L)	
Arsenic	27.9 J
Barium	51000
Cadmium	3 J
Chromium	934
Lead	46.8
Nickel	9.2 J
TCLP VOCs (ug/L)	
Trichloroethene	2300 E 3400

- Notes:
1. N = Spiked sample recovery not within control limits (inorganic analysis only).
 2. B = Analyte found in associated blank as well as in sample.
 3. J = Estimated value between the instrument detection limit and the PQL.
 4. U or ND = Compound was analyzed for but was not detected.
 5. E = Concentration exceeds calibration range.
 6. NI = not ignitable.
 7. Individual drum samples analyzed by EMSL Analytical Inc., Westmont, NJ.
 8. Drum Comp. analyzed by Katahdin Analytical Services, Westbrook, Maine.

Summary of Compounds Detected, MOA Area A Contaminated Soil**Contaminated soil grab samples collected from between drums in excavation:**

Compounds detected:	S1 11/15/96	S2 11/15/96	Duplicate 4 11/15/96 (S2 dupl.)	S7 11/18/96
Total Metals (mg/kg dry wt)				
Antimony	ND	ND	ND	ND
Arsenic	ND	ND	1.8 J	ND
Barium	41100	50100	40400	19400
Beryllium	ND	ND	0.15 J	0.16 J
Chromium	16200 *	18800 *	14500 *	3230 *
Copper	100	28	22.3	16.2 J
Cyanide	0.19 J	0.11 J	0.23 J	0.21 J
Lead	20.6	224	205	10.1
Mercury	0.02 J	0.02 J	0.02 J	0.05
Nickel	21.1 J	17.3 J	16 J	20.5 J
Selenium	ND	ND	ND	ND
Silver	1910	1660	1360	102
Total Cyanide	ND	ND	ND	ND
Total PCBs	ND	ND	ND	ND
Total VOCs (mg/kg dry wt)				
4-Methyl-2-pentanone	1.4	ND	ND	ND
Acetone	0.37 J	ND	ND	0.48 J
Methylene chloride	2.6 B	0.5 B	0.27 B	3 B
Total Xylenes	0.48	ND	ND	0.28
Trichloroethene	4.7	0.54	ND	7
cis-1,2-Dichloroethene	0.088 J	ND	ND	2
Total BN SVOCs	ND	ND	ND	ND
Solids-Total Residue (wt %)	82	83	76	75

TCLP extract of composite soil sample from roll-off boxes of excavated soil:

Compounds detected	12/23/96
TCLP RCRA Metals (ug/L)	
Arsenic	30.8 J
Barium	9000
Cadmium	1.4 U
Chromium	455
Lead	15.3 J
Mercury	0.15 J
Selenium	15.6 U
Silver	17.6 J
TCLP RCRA VOCs	ND

- Notes:
1. N = Spiked sample recovery not within control limits (inorganic analysis only).
 2. B = Analyte found in associated blank as well as in sample.
 3. J = Estimated value between the instrument detection limit and the PQL.
 4. U or ND = Compound was analyzed for but was not detected.
 5. * = Duplicate analysis not within control limits.
 6. E = Concentration exceeds calibration range.
 7. S1, S2, Dup. 4, and S7 analyzed by EMSL Analytical Inc., Westmont, NJ.
 8. Roll-off Comp. analyzed by Katahdin Analytical Services, Westbrook, Maine.

Summary of Compounds Detected, MOA Area A Excavation Water Samples

Compounds Detected	Samples from excavation				Samples from water-collection tanks				
	Excavation Water 11/08/96	MOA-A Excav S1 11/21/96 (dilution)	MOA-A Excav S2 11/21/96 (dilution)	Tank Water (1st tank filled) 11/18/96 (dilution)	MOA-A-T2 (2nd tank filled) 12/04/96 (dilution)	MOA-A-T3 (3rd tank filled) 12/03/96 (dilution)			
Total VOCs (ug/L)									
1,1,1,2-Tetrachloroethane	ND	7	ND	6	ND	190	ND	3	ND
1,2-Dichloroethane	ND	4	3 J	2	ND	22	ND	3	ND
1,2-Dichloroethene	ND	ND	ND	ND	2	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	6	ND	6	ND	360 E	ND	7	13 J
Acetone	ND	9	77 J	10	39 J	12	ND	11 B	32 J, 17 B
Benzene	ND	ND	ND	ND	4	ND	ND	ND	J E
Chloroethane	ND	ND	ND	ND	3	ND	ND	ND	ND
Chloroform	ND	3	2 J	3	E J	20	ND	2	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	210
Ethylbenzene	ND	9	9 J	8	6 J	210 E	280 J	7	13 J
Methylene chloride	3900 B	1180 B	1200 B	750 B	620 B	1400 B	5100 B	630 B	770 B
Tetrachloroethene	ND	2	ND	2	ND	2	ND	ND	420 E
Toluene	ND	7	8 J	6	6 J	170	ND	5	12 J
Total Aroclenes	ND	41	47	47	34	980 E	1100 B	13	4
Trichloroethene	17000	22000 E	2500	2000 E	2200	5000 E	58000 B	1300 B	1100 E
Vinyl chloride	ND	250 E	260	170	170	630 E	440	310 E	390 E
o,p-Dichlorodioxene	17000	990 E	500	400 E	400	2400 E	3200	620	230
trans-1,2-Dichlorodioxene	ND	1 J	ND	0.8 J	ND	11	ND	1 J	0.5 J
Total SVOCs (ug/L)									
Total Naphthalene	35 J	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total PCBs (ug/L)									
Total PCBs (ug/L)	ND	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total Metals (ug/L)									
Barium	900000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chromium	600	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Mercury	6.4								
Nickel	88								
Zinc	270								

Summary of Compounds Detected MOA Area C - 1996 Test Boring Soil Samples																						
Compounds Detected	NJDEP Criteria			MOA-C ...																		
	RDC	NRDC	ITGW	B1(S1) (0.0-2.0)	B1(S2) (2.0-4.0)	B1(S5) (8.0-15)	B2(S1) (0.0-2.0)	B2(S2) (2.0-4.0)	B2A(S2) (0.0-2.0)	B3(S1) (0.0-2.0)	B3(S3) (7.0-9.0)	B3(S4) (0.0-2.0)	B4(S1) (0.0-2.0)	B4(S2) (2.0-4.0)	B4(S6) (10.0-12.0)	B5(S1) (11/07/96)	B5(S2) (11/07/96)	B5(S5) (9.0-10.0)	B6(S1) (0.0-2.0)	B6(S2) (0.0-2.0)	B6(S5) (8.0-10.0)	
Metals (mg/kg dry wt)																						
Antimony	14	340	H	0.23 JN	ND	ND	0.33 JN	ND	ND	0.28 JN	ND	ND	ND	ND	ND	0.25 JN	ND	ND	0.34 JN	0.51 JN	ND	
Arsenic	20	20	H	14.9 *	8.3 *	14.1 *	60.4 *	15.3 *	10.8 *	18.1 *	13.1 *	8.6 *	23.1 *	11.4 *	9.1 *	4.5 *	3.7 *	5.4 *	4 *	5.6 *	6.1 *	
Beryllium	1	1	H	0.83	1.3	2.1	1.1	1.1	1.2	1.2	1.6	1.4	1.8	1.2	1.4	1.1	0.95	0.76	0.7	0.97		
Cadmium	1	100	H	0.2 JN	ND	ND	2.9 N	0.2 JN	ND	0.72 JN	ND	ND	0.71 JN	0.22 JN	ND	ND	ND	0.69 JN	ND	ND	ND	
Chromium	NC	NC	NC	19.3 N	38.1 N	64.6 N	45.2 N	39.4 N	53.2	80.7 N	44.8 N	44.8 N	55.2 N	56.7 N	43.9 N	27.2 N	15.6 N	27.2 N	21.1 N	20.4 N	20.4 N	
Copper	600	600	H	21.8 N	29.3 N	57.3 N	93.6 N	53.1 N	72.8 E*	258 N	41.2 N	36.5 N	89.9 N	78.8 N	42.2 N	17 N	19.4 N	17.7 N	19.1 N	23.5 N	11.5 N	
Lead	400	600	H	25 N	20.9 N	25.9 N	55.2 N	37.8 N	22.4 E*	96.1 N	28.7 N	19.3 N	71.7 N	23.7 N	22.5 N	19.7 N	18.2 N	9.3 N	28.4 N	45.5 N	12.9 N	
Mercury	14	270	H	0.17	ND	ND	0.06	0.04 J	0.03 JN	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel	250	2400	H	21.7 N	25.8 N	33.8 N	19.7 N	41.7 N	59.8 N*	169 N	34.8 N	37.7 N	78.8 N	52.5 N	33.8 N	17.2 N	11.2 N	17.8 N	11.5 N	18.5 N	12.4 N	
Selenium	63	3,100	H	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver	110	4,100	H	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Thallium	2	2	H	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	1,500	1,500	H	207	82.3	170	519	263	131 E*	745	97.3	94.6	385	165	94.5	47.8	31.3	28.3	59	81	32.4	
PAHs (mg/kg dry wt)																						
2-Methylnaphthalene	NC	NC	NC	0.044 J	0.027 J	ND	0.033 J	0.023 J	0.033 J	0.014 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	3,400	10,000	100	ND	0.041 J	ND	0.096 J	0.093 J	ND	0.017 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	NC	NC	NC	ND	0.082 J	ND	0.027 J	0.025 J	ND	0.02 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	10,000	10,000	100	ND	0.16 J	ND	0.12 J	0.14 J	0.017 J	0.048 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	0.9	4	500	0.082 J	0.88	ND	0.44	0.56	0.088 J	0.29 J	0.046 J	0.054 J	0.071 J	0.29 J	0.29 J	ND	ND	ND	0.065 J	ND	ND	
Benzo(b)fluoranthene	0.6	0.6	100	0.084 J	0.71	ND	0.38 J	0.59	0.052 J	0.26 J	0.034 J	0.038 J	0.071 J	0.35 J	ND	ND	ND	ND	0.058 J	ND	ND	
Benzo(k)fluoranthene	0.9	4	50	0.099 J	0.69	ND	0.46	0.7	0.061 J	0.36 J	0.048 J	0.058 J	0.11 J	0.54	ND	ND	ND	ND	0.093 J	ND	ND	
Benzo(l)fluoranthene	NC	NC	NC	0.045 J	0.4 J	ND	0.22 J	0.34 J	0.035 J	0.21 J	0.021 J	ND	0.048 J	0.24 J	0.84	ND	ND	ND	0.05 J	ND	ND	
Chrysene	0.9	4	500	0.035 J	0.18 J	ND	0.17 J	0.19 J	0.02 J	0.087 J	0.018 J	ND	0.047 J	0.19 J	ND	ND	ND	ND	0.037 J	ND	ND	
Dibenz(a,h)anthracene	0.6	0.6	100	0.073 J	0.15 J	ND	0.48	0.82	0.077 J	0.34 J	0.044 J	0.059 J	0.079 J	0.35 J	ND	ND	ND	ND	0.058 J	ND	ND	
Fluorene	2,300	10,000	100	0.11 J	1	ND	0.059 J	0.087 J	ND	0.346 J	ND	ND	ND	0.066 J	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	2,300	10,000	100	ND	0.079 J	ND	0.081 J	0.028 J	0.022 J	ND	ND	ND	ND	0.033 J	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.9	4	500	0.051 J	0.37 J	ND	0.24 J	0.36 J	0.035 J	0.2 J	0.025 J	ND	0.052 J	0.27 J	ND	ND	ND	ND	0.049 J	ND	ND	
Naphthalene	230	4,200	100	ND	0.022 J	ND	0.025 J	ND	0.012 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	NC	NC	NC	0.054 J	0.86	ND	0.71	0.63	0.16 J	0.27 J	0.058 J	0.068 J	0.058 J	0.33 J	ND	ND	ND	ND	0.052 J	ND	ND	
Pyrene	1,700	10,000	100	0.099 J	1.8	ND	0.84	1	0.16 J	0.53	0.071 J	0.1 J	0.13 J	0.55	ND	ND	ND	ND	0.1 J	ND	ND	
Solids-Total Residue (wt %)	88	83		77	85	77	85	82	85	87	84	88	88	86	87	84	84	82	85	86	83	

Compounds Detected	NJDEP Criteria			MOA-C ...																			
	RDC	NRDC	ITGW	B1(S1) (0.0-2.0)	B1(S3) reun	B1(S5) (8.0-10.0)	B1(S6) (10.0-15)	B2(S1) (0.0-2.0)	B2(S2) (2.0-4.0)	B2(S5) dilution	B3(S1) (8.0-10.0)	B3(S5) (9.0-10.0)	B3(S2) (2.0-4.0)	B3(S5) (8.0-10.0)	B10(S1) (0.5-1.0)	B11(S2) (2.0-4.0)	B11(S2) reun	B11(S3) (11/07/96)	B11(S3) reun	B11(S6) (10.0-12.0)	B12(S1) (11/07/96)	B12(S2) (11/07/96)	B12(S5) (8.0-10.0)
Metals (mg/kg dry wt)																							
Antimony	14	340	H	11 N	22.4 N	ND	5.1 N	ND	ND	ND	ND	ND	ND	ND	0.31 JN*	10.4 N*	14.4 N*	ND	ND	1.8 N*	ND	ND	ND
Arsenic	20	20	H	6.8 *	12.2 *	4.7 *	11.5 *	20.7 *	6.7 *	3.7 *	1.4 *	4.7 *	23.6 *	17.3 *	7.8 *	7.8 *	8.5 *	8.6 *	5.1 *	7.4 *	8.5 *	8.6 *	5.1 *
Beryllium	1	1	H	0.83	0.83	0.38 J	0.38 J	0.25 J	0.34	0.25	1.4	0.62	0.31 J	0.7 JN*	1.9 *	1.9 *	1.9 *	1.9 *	1.9 *	1.9 *	1.9 *	1.9 *	1.9 *
Cadmium	1	100	H	271 N*	175 N*	0.19 JN*	129 N*	974 N*	25.3 JN*	219 JN*	0.21	0.21	14.7 N*	44.8 N*	111	1700	1550	209	50.2 N*	36.4 N*	32.3 N*	36.4 N*	32.3 N*
Chromium	NC	NC	NC	4300 N	2200 N	24.6 N	4300 N	676 N	960 N	960 N	960 N	960 N	20	36.3 N	250 E*	1620 E*	8740 E*	245 E*	294 N	28.8 N*	30.5 N*	30.5 N*	30.5 N*
Copper	600	600	H	780 N	1530 N	20.1 N	780 N	970 N	12.8 N*	10 N*	22	146	1060	10 N*	22	146	1060	923 *	30.4 *	76.7 N*	20.5 N*	20.5 N*	20.5 N*
Lead	400	600	H	724 N*	1070 N*	23.2 N*	906 N*	812 N*	29.6 N	12.3 N*	0.03 J	ND	0.03 J	ND	0.20	0.28	0.87 N	0.1 N	0.03 N	0.34	ND	ND	ND
Mercury	14	270	H	0.37	0.16	ND	0.04 J	0.06	0.03 J	ND	0.03 J	ND	0.03 J	ND	0.19	0.28	0.87 N	0.1 N	0.03 N	0.34	ND	ND	ND
Nickel	250	2400	H	80 N*	113 N*	ND	80 N*	370 N*	16.7 N*	14.5 N*	8.8 N*	114 N*	233 N*	303 N*	317 N*	317 N*	317 N*	46.3 N*	383 N*	39.4 N*	22.9 N*	22.9 N*	
Selenium	63	3,100	H	18.9 N	22.5 N	ND	2.9 N	6.3 N	ND	ND	ND	ND	ND	ND	0.19	6.9	19	2.7 J	ND	ND	ND	ND	ND
Silver	110	4,100	H	4.5	3.3	ND	3.3	7.9	ND	ND	ND	ND	ND	ND	0.23	6.9	19	2.7 J	ND	ND	ND	ND	ND
Thallium	2	2	H	ND	ND	ND	ND	12.2 J	ND	ND	ND	ND	ND	ND	0.15	6.9	19	2.7 J	ND	ND	ND	ND	ND
Zinc	1,500	1,500	H	2880 *	10300 *	40.2 *	8700 *	8520 *	63.6 *	61.1 *	45.8 *	280 *	1650 E*	10400 E*	11700 E*	11700 E*	1540 E*	1770 *	83	83	83	83	83
PAHs (mg/kg dry wt)																							
2-Methylnaphthalene	NC	NC	NC	0.038 J	ND	ND	0.05 J	ND	ND	ND	ND	ND	ND	ND	0.021 J	0.027 J	0.023 J	ND	ND	ND	ND	ND	ND
Acenaphthene	3,400	10,000	100	0.037 J	0.061 J	0.068 J	ND	ND	0.27 J	ND	ND	ND	ND	ND	0.037 J	0.04 J	0.038 J	ND	ND	ND	ND	ND	0.053 J
Acenaphthylene	NC	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	10,000	10,000	100	0.12 J	0.17 J	0.17 J	ND	ND	1.2	1.1	ND	ND	ND	ND	0.096 J	0.04 J	0.036 J	ND	ND	ND	ND	ND	0.11 J
Benzo(a)anthracene	0.9	4	500	0.91	0.7	0.67	ND	0.098 J	9.1 E	7.8	ND	0.032 J	0.11 J	0.046 J	0.29	0.3	0.31 J	0.056 J	ND	ND	ND	ND	0.11 J
Benzo(b)fluoranthene	0.6	0.6	100	1	0.89	0.81	ND	0.099 J	11 E	12	ND	0.099 J	0.098 J	ND	0.28	0.38	0.41 J	0.27 J	0.38 J	ND	ND	ND	0.058 J
Benzo(k)fluoranthene	0.9	4	50	0.9	0.76	0.84	ND	0.15	17	14	ND	0.055 J	0.13 J	ND	0.38	0.67	0.65	0.2 J	0.28 J	ND	ND	ND	0.11 J
Benzo(l)fluoranthene	NC	NC	NC	0.83	0.4	0.45	ND	0.091 J	8 E	8.1	ND	0.055 J	0.055 J	ND	0.12	0.16	0.22	0.04	0.81 J	ND	ND	ND	0.077 J
Chrysene	0.9	4	500	0.48	0.28	0.24	ND	0.059 J	4.3	4.8	ND	0.05 J	ND	ND	0.12	0.16	0.22	0.04	0.81 J	ND	ND	ND	0.13 J
Dibenz(a,h)anthracene	0.6	0.6	100	0.23 J	0.18 J	0.14 J	ND	0.2	3.2	2 J	ND	ND	ND	ND	0.29	0.3	0.4 J	0.36	0.39 J	ND	ND	ND	0.4 J
Fluorene	2,300	10,000	100	1	0.92	0.84	ND	1.1 J	8.2	9.4	ND	0.039 J	0.14 J	0.08 J	0.39	0.33	0.34	0.1 J	0.14 J	ND	ND	ND	0.082 J
Fluoranthene	2,300	10,000	100	0.031 J	0.16 J	0.15 J	ND	0.1	0.16 J	0.3 J	ND	ND	ND	ND	0.04 J	0.23 J	0.14 J	0.08	0.08 J	ND	ND	ND	0.098 J
Indeno(1,2,3-cd)pyrene	0.9	4	500	0.85	0.4	0.45	ND	0.081 J	9.4	8.8	ND	0.041 J	0.06 J	0.042 J	0.24	0.45	0.49	0.076 J	0.055 J	ND	ND	ND	0.098 J
Naphthalene	230	4,200	100	0.037 J	ND	ND	ND	ND	0.088 J	ND	ND	ND	ND	ND	0.023 J	0.063 J	0.053 J	ND	ND	ND	ND	ND	ND
Phenanthrene	NC	NC	NC	0.147	0.6	0.28	ND	0.6	0.46	1.2	ND	0.055 J	0.11 J	0.055 J	0.31 J	0.3	0.28 J	0.15 J	0.13 J	ND	ND	ND	0.037 J
Pyrene	1,700	10,000	100	0.96	1.1	1.2	ND	0.1 J	8.8	7.7	ND	0.039 J	0.19 J	ND	0.46	0.38	0.39 J	0.15 J	0.15 J	ND	ND	ND	0.037 J

NJDEP Criteria				MOA-C ...																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
RDC				NRDC		ITGW		B7(S1)	B7(S3)	B7(S3)	B7(S5)	B8(S1)	B8(S2)	B8(S2)	B8(S5)	B9(S1)	B9(S2)	B9(S5)	B1(S1)	B1(S2)	B1(S2)	B1(S3)	B1(S3)	B1(S5)	B1(S5)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6)	B1(S6

APPENDIX A

Test Borings Logs, Monitoring Well Installation Reports, and Statistical Summaries

Test Borings Logs

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H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists					TEST BORING REPORT		BORING NO. MAO-C-B4		
PROJECT: REMEDIAL INVESTIGATION CLIENT: GENERAL MOTORS CORPORATION CONTRACTOR: JERSEY BORING AND DRILLING COMPANY							FILE NO. 70613-000 SHEET NO. 1 OF 1 LOCATION: See Plan		
ITEM			CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES		ELEVATION: DATUM: START: 7 November 1996 FINISH: 7 November 1996 DRILLER: P. Lynch H&A REP: D. Jarzabek	
TYPE			Augers	S	--	RIG TYPE: CME-55, TRUCK-MOUNTED			
INSIDE DIAMETER (IN)			3-1/4	2-1/2	--	BIT TYPE:			
HAMMER WEIGHT (LB)			--	140	--	DRILL MUD:			
HAMMER FALL (IN)			--	30	--	OTHER:			
DEPTH (FT)	FIELD SCREENING	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS			
5	ND	7	S1	0.1	0.1 0.3	Medium dense gray fine to coarse GRAVEL (crushed stone).			
		11	13"/24"	2.0		Medium dense gray SILT, little fine sand, moist to wet.			
	ND	14	S2	2.0		10.6	Very dense brown, orange-brown and red-brown mottled SILT, little coarse to fine sand, and clay, trace fine gravel, damp. Same, except little gravel.		
		38	7"/16"	3.4			-FILL-		
	ND	14	S3	4.0			Medium dense dark brown SILT, little coarse to fine sand and clay, trace fine gravel, damp.		
		8	10"/24"	6.0			Medium dense orange-brown SILT, little coarse to medium sand, trace fine sand and clay, damp.		
	ND	13	S4	6.0			Medium dense brown and black-brown mottled SILT, some gravel and fine sand, trace clay, damp.		
		15		8.0			Dense brown and gray-brown medium to fine sandy SILT, some fine gravel, damp.		
	ND	13	S5	8.0			-FILL-		
		15	3"/24"	10.0			Dense brown and orange-brown fine sandy SILT, little coarse to medium sand, trace clay, damp.		
ND	21	S6	10.0	Very dense dark gray-black SILT, little fine sand, trace medium sand, moist.					
	17	10"/24"	12.0	-GLACIOFLUVIAL-					
15		23				Bottom of Boring at 12.0 ft.			
		21							
WATER LEVEL DATA					SAMPLE IDENTIFICATION		SUMMARY		
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): 12.0		
			BOTTOM OF CASING	BOTTOM OF HOLE	WATER		ROCK CORED (LIN FT): --- SAMPLES: S5		
							BORING NO. MAO-C-B4		

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists				TEST BORING REPORT			BORING NO. MAO-C-B5		
PROJECT: REMEDIAL INVESTIGATION CLIENT: GENERAL MOTORS CORPORATION CONTRACTOR: JERSEY BORING AND DRILLING COMPANY							FILE NO. 70613-000 SHEET NO. 1 OF 1 LOCATION: See Plan		
ITEM			CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES		ELEVATION: DATUM: START: 7 November 1996 FINISH: 7 November 1996 DRILLER: P. Lynch H&A REP: D. Jarzabek	
TYPE			Augers	S	--	RIG TYPE: CME-55, TRUCK-MOUNTED			
INSIDE DIAMETER (IN)			3-1/4	2-1/2	--	BIT TYPE:			
HAMMER WEIGHT (LB)			--	140	--	DRILL MUD:			
HAMMER FALL (IN)			--	30	--	OTHER:			
DEPTH (FT)	FIELD SCREENING	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS			
5	ND	26 20 13 14	S1 11"/24"	0.0 2.0	0.3	Very dense black coarse to fine SAND, little silt (crushed stone).			
	ND	11 17 17 10	S2 8"/24"	2.0 4.0		Dense red and red-brown mottled SILT, little fine sand, trace coarse to medium sand, damp. Same. -FILL-			
	ND	4 7 6 7	S3 17"/24"	4.0 6.0		Medium dense light brown and red-brown mottled SILT, little fine sand, trace fine gravel with slag.			
	ND	7 10 13 14	S4 20"/24"	6.0 8.0		Same. -FILL-			
	ND	6 13 13 26	S5 16"/24"	8.0 10.0		Medium dense red-brown SILT, little fine sand, damp.			
				Bottom of Boring at 10.0 ft.					
WATER LEVEL DATA						SAMPLE IDENTIFICATION		SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): 10.0		
			BOTTOM OF CASING	BOTTOM OF HOLE	WATER		ROCK CORED (LIN FT): ---		
							SAMPLES: S5		
							BORING NO. MAO-C-B5		

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H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists				TEST BORING REPORT		BORING NO. MAO-C-B8																																					
PROJECT: REMEDIAL INVESTIGATION CLIENT: GENERAL MOTORS CORPORATION CONTRACTOR: JERSEY BORING AND DRILLING COMPANY						FILE NO. 70613-000 SHEET NO. 1 OF 1 LOCATION:																																					
ITEM		CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES		ELEVATION: DATUM: START: 8 November 1996 FINISH: 8 November 1996 DRILLER: P. Lynch H&A REP: D. Jarzabek																																				
TYPE		Augers	S	--	RIG TYPE: CME-55, TRUCK-MOUNTED																																						
INSIDE DIAMETER (IN)		3-1/4	2-1/2	--	BIT TYPE:																																						
HAMMER WEIGHT (LB)		--	140	--	DRILL MUD:																																						
HAMMER FALL (IN)		--	30	--	OTHER:																																						
DEPTH (FT)	FIELD SCREENING	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS																																					
5		11	S1	0.0	0.2	Medium dense gray-black fine SAND and GRAVEL.																																					
		42			0.9	-CONCRETE-																																					
		14	14"/24"	2.0																																							
		14																																									
		6	S2	2.0		Medium dense red-gray SILT, little coarse to fine sand and gravel, damp. -FILL-																																					
		7																																									
		7	12"/24"	4.0																																							
		7																																									
		5	S3	4.0		Medium dense black-brown mottled SILT and medium to fine SAND, with trace white clayey silt, ash and green silt, damp. -FILL-																																					
		13																																									
10		10	10"/24"	6.0		Medium dense black-brown stained silty fine SAND, little medium sand, with white and light green clayey silt zones, moist.																																					
		12																																									
		5	S4	6.0		Same.																																					
		6				Medium dense orange-brown mottled SILT, little fine sand, trace clay, with concrete fragment.																																					
		4		8.0		Same. -FILL-																																					
10		4																																									
		4	S5	8.0	8.4	Medium dense gray-brown mottled SILT, little fine sand with some wood, damp. -FILL-																																					
		9	12"/24"	10.0																																							
15		13				Bottom of Boring at 10.0 ft.																																					
20																																											
25																																											
<table border="1"> <tr> <td colspan="4">WATER LEVEL DATA</td> <td colspan="2">SAMPLE IDENTIFICATION</td> <td colspan="2">SUMMARY</td> </tr> <tr> <td rowspan="2">DATE</td> <td rowspan="2">TIME</td> <td rowspan="2">ELAPSED TIME (HR)</td> <td colspan="3">DEPTH (FT) TO:</td> <td rowspan="2"> O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon </td> <td>OVERBURDEN (LIN FT): 10.0</td> </tr> <tr> <td>BOTTOM OF CASING</td> <td>BOTTOM OF HOLE</td> <td>WATER</td> <td>ROCK CORED (LIN FT): ---</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SAMPLES: S5</td> </tr> <tr> <td colspan="7"></td> <td>BORING NO. MAO-C-B8</td> </tr> </table>								WATER LEVEL DATA				SAMPLE IDENTIFICATION		SUMMARY		DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): 10.0	BOTTOM OF CASING	BOTTOM OF HOLE	WATER	ROCK CORED (LIN FT): ---								SAMPLES: S5								BORING NO. MAO-C-B8
WATER LEVEL DATA				SAMPLE IDENTIFICATION		SUMMARY																																					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): 10.0																																				
			BOTTOM OF CASING	BOTTOM OF HOLE	WATER		ROCK CORED (LIN FT): ---																																				
							SAMPLES: S5																																				
							BORING NO. MAO-C-B8																																				

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists					TEST BORING REPORT		BORING NO. MOA-C-B9	
PROJECT: REMEDIAL INVESTIGATION CLIENT: GENERAL MOTORS CORPORATION CONTRACTOR: JERSEY BORING AND DRILLING COMPANY							FILE NO. 70613-000 SHEET NO. 1 OF 1 LOCATION: See Plan	
ITEM		CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES		ELEVATION: DATUM: START: 8 November 1996 FINISH: 8 November 1996 DRILLER: P. Lynch H&A REP: D. Jarzabek	
TYPE		Augers	S	--	RIG TYPE: CME-55, TRUCK-MOUNTED			
INSIDE DIAMETER (IN)		3-1/4	2-1/2	--	BIT TYPE:			
HAMMER WEIGHT (LB)		--	140	--	DRILL MUD:			
HAMMER FALL (IN)		--	30	--	OTHER:			
DEPTH (FT)	FIELD SCREENING (PPM)	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS		
5	25	12	S1	0.0	0.2	Dense gray coarse to fine SAND, wet (crushed stone).		
		30	12"/24"	2.0	2.2	Dense gray light brown and red-brown mottled fine sandy SILT, damp.		
	18	S2	2.0	Same. -FILL-				
	23		6"/13"	4.0		Very dense light gray medium to fine SAND, trace coarse sand and fine gravel, damp. -FILL- Very dense light gray fine and medium SAND, trace fine gravel.		
	1	7	S3	4.0		8.4 8.6	Augered from 5.6 to 6.0 ft.	
		48	S4	6.0	Very dense light gray GRAVEL, trace coarse to fine sand, dry (pulverized rock).			
	ND	25	9"/24"	8.0	Same.			
		12	S5	8.0	Very dense brown-black mottled fine sandy SILT, trace medium sand, moist. -GLACIOFLUVIAL-			
	ND	24	10"/24"	10.0	Very dense brown SILT, moist. -GLACIOFLUVIAL-			
		12			Bottom of Boring at 10.0 ft.			
10	ND	47			8.4 8.6			
		100/0.2						
	14							
	25							
	ND	46						
		85						
	ND	30						
		19						
	ND	16						
		20						
15	ND				8.4 8.6			
	ND							
	ND							
	ND							
	ND							
20	ND				8.4 8.6			
	ND							
	ND							
	ND							
	ND							
25	ND				8.4 8.6			
	ND							
	ND							
	ND							
	ND							

WATER LEVEL DATA						SAMPLE IDENTIFICATION		SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): 10.0		
			BOTTOM OF CASING	BOTTOM OF HOLE	WATER		ROCK CORED (LIN FT): --		
							SAMPLES: 5S		
							BORING NO. MOA-C-B9		

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists				TEST BORING REPORT		BORING NO. MOA-C-B10	
PROJECT: REMEDIAL INVESTIGATION CLIENT: GENERAL MOTORS CORPORATION CONTRACTOR: JERSEY BORING AND DRILLING COMPANY						FILE NO. 70613-000 SHEET NO. 1 OF 1 LOCATION: See Plan	
ITEM		CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES		ELEVATION: DATUM: START: 7 November 1996 FINISH: 7 November 1996 DRILLER: P. Lynch H&A REP: D. Jarzabek
TYPE		Augers	S	--	RIG TYPE: CME-55, TRUCK-MOUNTED		
INSIDE DIAMETER (IN)		3-1/4	2-1/2	--	BIT TYPE: ---		
HAMMER WEIGHT (LB)		--	140	--	DRILL MUD: ---		
HAMMER FALL (IN)		--	30	--	OTHER:		
DEPTH (FT)	FIELD SCREENING (PPM)	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS	
5						Boring terminated at 1.5 ft.	
10							
15							
20							
25							
		WATER LEVEL DATA			SAMPLE IDENTIFICATION		SUMMARY
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): --
			BOTTOM OF CASING	BOTTOM OF HOLE	WATER		ROCK CORED (LIN FT): --
							SAMPLES: --
						BORING NO.	MOA-C-B10

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists				TEST BORING REPORT		BORING NO. MOA-C-B12	
PROJECT: REMEDIAL INVESTIGATION CLIENT: GENERAL MOTORS CORPORATION CONTRACTOR: JERSEY BORING AND DRILLING COMPANY						FILE NO. 70613-000 SHEET NO. 1 OF 1 LOCATION: See Plan	
ITEM		CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES		ELEVATION: DATUM: START: 9 November 1996 FINISH: 9 November 1996 DRILLER: J. Vanness H&A REP: D. Jarzabek
TYPE		Augers	S	--	RIG TYPE: CME-55, TRUCK-MOUNTED		
INSIDE DIAMETER (IN)		3-1/4	2-1/2	--	BIT TYPE:		
HAMMER WEIGHT (LB)		--	140	--	DRILL MUD:		
HAMMER FALL (IN)		--	30	--	OTHER:		
DEPTH (FT)	FIELD SCREENING (PPM)	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS	
	25	13 12 17 30	S1	0.0 2.0		Medium dense brown-black mottled fine sandy SILT, little medium sand, trace fine gravel, moist.	
	1	35 17 19 17	S2 3"/24"	2.0 4.0		Dense gray-brown SILT, some gravel, moist. -FILL-	
5	ND	24 32 7 6	S3 6"/24"	4.0 6.0		Same.	
	ND	11 5 14 17	S4 NR	6.0 8.0		No Recovery. -FILL-	
	ND	8 12 8 9	S5 9"/24"	8.0 10.0		Medium dense gray-brown mottled SILT, little medium to fine sand, trace fine gravel.	
10						Bottom of Boring at 10.0 ft.	
15							
20							
25							
WATER LEVEL DATA			SAMPLE IDENTIFICATION		SUMMARY		
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): 10.0
			BOTTOM OF CASING	BOTTOM OF HOLE	WATER		ROCK CORED (LIN FT): --
							SAMPLES: 5S BORING NO. MOA-C-B12

[illegible]

[illegible]

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists					TEST BORING REPORT		BORING NO. MOA-C-B15	
PROJECT: REMEDIAL INVESTIGATION CLIENT: GENERAL MOTORS CORPORATION CONTRACTOR: JERSEY BORING AND DRILLING COMPANY							FILE NO. 70613-000 SHEET NO. 1 OF 1 LOCATION: See Plan	
ITEM		CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES		ELEVATION:	
TYPE		Augers	S	--	RIG TYPE: CME-55, TRUCK-MOUNTED		DATUM:	
INSIDE DIAMETER (IN)		3-1/4	2-1/2	--	BIT TYPE:		START: 9 November 1996	
HAMMER WEIGHT (LB)		--	140	--	DRILL MUD:		FINISH: 9 November 1996	
HAMMER FALL (IN)		--	30	--	OTHER:		DRILLER: T. Vanness H&A REP: D. Jarzabek	
DEPTH (FT)	FIELD SCREENING	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPL DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS		
	ND	12	S1	0.8	0.8	Cored through approximately 0.8 ft.		
		15						
		23	18"/24"	2.8	1.4	Dense dark brown-black medium to fine SAND and GRAVEL, little silt, trace light blue green silty clay, moist.		
		22						
	ND	38	S2	2.8				
		30						
		30	8"/24"	4.8		Dense red-brown fine sandy SILT, trace coarse to medium sand, damp. -FILL-		
		32				Very dense red-brown SILT, and gravel (broken rock), damp. Medium dense gray fine and gravel, dry.		
5	ND	15	S3	4.8	5.4			
		10						
		11	17"/24"	6.8		Medium dense black and brown (wood, plastic, ash, glass) damp. -FILL-		
		15			6.8			
	ND	8	S4	6.8				
		7	5"/24"	8.8		Medium dense brown-black fine sandy SILT, little coarse to medium sand, trace gravel, with trace light blue-green silty clay, moist.		
		4				No recovery. -FILL-		
	--	11	S5	8.8				
10		20	NR	10.8				
		10						
	ND DUP. 3	7	S6	10.8	11.2	Same.		
		8						
		20	11"/24"	12.8		Medium dense light brown fine sandy SILT, damp. -GLACIOFLUVIAL-		
		37				Bottom of boring at approximately 12.8 ft.		
15								
20								
25								
		WATER LEVEL DATA			SAMPLE IDENTIFICATION		SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): 12.8	
			BOTTOM OF CASING	BOTTOM OF HOLE	WATER		ROCK CORED (LIN FT): --	
							SAMPLES: 6S	
							BORING NO. MOA-C-B15	

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists					TEST BORING REPORT		BORING NO. MW-21		
PROJECT: REMEDIAL INVESTIGATION, MOA - AREA A, DELPHI INTERIOR & LIGHTING SYSTEMS CLIENT: GENERAL MOTORS CORPORATION CONTRACTOR: JERSEY BORING AND DRILLING COMPANY							FILE NO. 70613-000 SHEET NO. 1 OF 1 LOCATION: See Plan 74o 48" 16.9 West 40o 15' 43.6' North ELEVATION: 110.26 DATUM: NGVD START: 5 February 1997 FINISH: 5 February 1997 DRILLER: M. Oconnor H&A REP: D. Jarzabek		
ITEM		CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES				
TYPE		Augers	S	--	RIG TYPE: Acker AD-2				
INSIDE DIAMETER (IN)		4-1/4	2-1/2	--	BIT TYPE: Hollow Stem Auger				
HAMMER WEIGHT (LB)		140	---	--	DRILL MUD: ---				
HAMMER FALL (IN)		30	---	--	OTHER: Advanced 4-1/4 in. I.D. augers to approximately 14 ft.				
DEPTH (FT)	FIELD SCREENING (PPM)	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS			
5		2	S1	0.0	0.4	Medium dense brown fine sandy SILT, trace clay, with trace organic material, moist. -TOPSOIL-			
		5							
		9	17"/24"	2.0		Medium dense gray-brown mottled fine SAND and SILT, damp.			
		6							
		11	S2	2.0		Same. -FILL-			
		13							
		11	5"/24"	4.0	4.0	Dense red-brown silty fine SAND, moist.			
		16				-GLACIOFLUVIAL-			
		9	S3	4.0		Same.			
		15							
10		16	10"/24"	6.0		Very dense light brown fine SAND, trace medium sand, moist.			
		17				Same. -GLACIOFLUVIAL-			
		13	S4	6.0	7.2	Bottom of drive sampler/split spoon refusal at 8.3 ft. below ground surface.			
		23				Advanced 4-1/4 in. inside diameter auger to approximately 14.1 ft. below ground surface for monitoring well installation.			
		38	19"/24"	8.0	8.3	-WEATHERED BEDROCK-			
15		100	S5	8.0		Bottom of Boring at 14.11 ft.			
		100/0.3	3"/4"	8.3					
20									
25									
WATER LEVEL DATA						SAMPLE IDENTIFICATION		SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT): 14.1		
			BOTTOM OF CASING	BOTTOM OF HOLE	WATER		ROCK CORED (LIN FT): --		
							SAMPLES: 5S		
							BORING NO. MW-21		

Monitoring Well Installation Permit and Report Forms

H&A OF NEW YORK
CONSULTING GEOTECHNICAL ENGINEERS
GEOLOGISTS AND HYDROGEOLOGISTS

OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT: REMEDIAL INVESTIGATION, DELPHI INTERIOR & LIGHTING SYSTEMS
LOCATION: 1445 PARKWAY AVE., TRENTON, NEW JERSEY
CLIENT: GENERAL MOTORS CORPORATION
CONTRACTOR: JERSEY BORING & DRILLING
DRILLER: M. O'CONNOR RIG TYPE: ACKER AD-2
INSTALLATION DATE: 5 FEBRUARY 1997

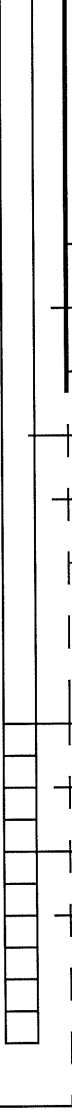
FILE NO.: 70613-000
WELL NO.: MW21
LOCATION: 74° 48' 16.9" west
40° 15' 43.6" north
SHEET: 2 OF 2
INSPECTOR: D. Jarzabek

Survey

Datum NGVD

Ground

Elevation: 110.26 0.0 ft.

SUMMARY In Zones Stools Ls c Ca Ol Ne D I T IO NS	Tan & Gray mottled Fine Sand and Silt	-CONCRETE- 1.33 ft.		Thickness of Surface Seal	<u>2.53 ft.</u>
		-BENTONITE- 2.53 ft.		Type of Surface Seal [indicated all seals showing depth, thickness and type]	<u>Concrete and Bentonite</u>
				#1 QUARTZ SAND	Type of Protective Casing
	Inside Diameter of Protective Casing	<u>4-in.</u>			
	Depth of Bottom of Protective Casing	<u>2.47 ft.</u>			
	Inside Diameter of Riser Pipe	<u>2.0 in.</u>			
	Type of Backfill Around Riser	<u>Quartz Sand</u>			
	Diameter of Borehole	<u>8.0 in. +/-</u>			
	Type of coupling (threaded, welded, etc.)	<u>Threaded</u>			
	-GLACIOFLUVIAL- 8.3	Depth of Bottom of Riser		<u>4.05 ft.</u>	
		Type of Wellscreen		<u>Continuous wound stainless steel</u>	
	-WEATHERED BEDROCK-	Screen Slot Size		<u>0.010 in.</u>	
		Diameter of Wellscreen		<u>2.0 in.</u>	
		Type of Backfill Around Wellscreen		<u>Morie #1 Quartz Sand</u>	
Depth of Bottom of Wellscreen		<u>14.07 ft.</u>			
14.11 ft.		Depth of Bottom of Borehole	<u>14.11 ft.</u>		

Remarks: All depths are measured from ground surface. Advanced 4-1/4 in. I.D. augers
to approximately 14 ft. below ground surface.

Well No. MW21

SERIAL # 55943

DWR-133M (8/95)

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

Mail to

NJDEP
Bureau Water Allocation
CN 426
Trenton, NJ 08625-0426

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Permit No.

COORD #:

Owner General Motors Corp.
Address 1445 Parkway Ave.
Trenton, N.J.
Name of Facility Delphi Interior Lighting Systems
Address 1445 park way Ave.
Trenton, N.J.

Driller Jersey Boring & Drilling Co Inc.
Address 152 Wright Street
Newark, N.J. 07114

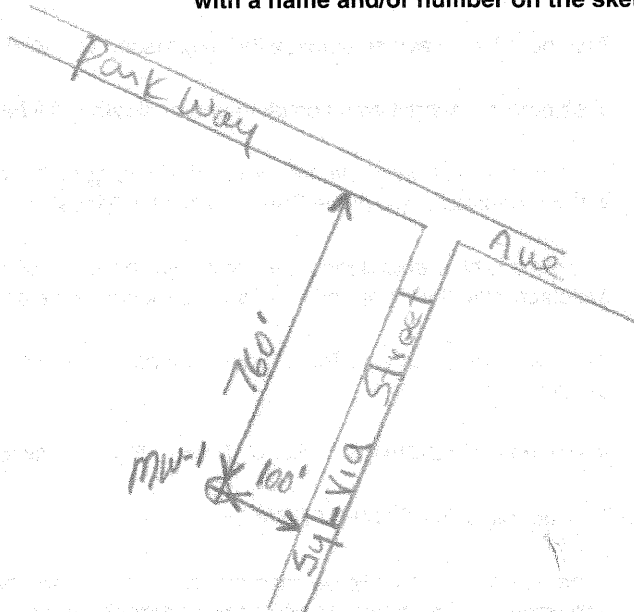
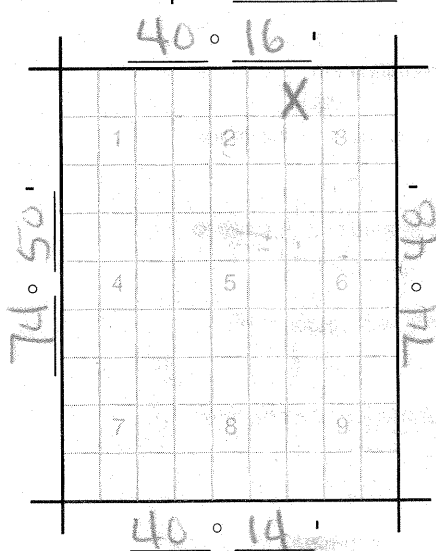
Diameter of Well(s) <u>2</u> Inches	Proposed Depth of Well(s) <u>15</u> Feet
# of Wells Applied for (max. 10) <u>1</u>	Will pumping equipment be installed? YES ☐ NO ☒
Type of Well (see reverse) <u>monitoring</u>	If Yes, give pump capacity <u>n/a</u> cumulative GPM

LOCATION OF WELL(S)

Lot # <u>1</u>	Block # <u>343</u>	Municipality <u>Trenton</u>	County <u>mercer</u>
----------------	--------------------	-----------------------------	----------------------

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

State Atlas Map No. 27



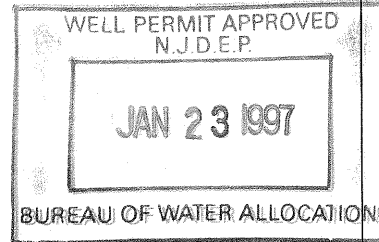
FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☒ Other (explain) Memorandum of Agreement

CASE I.D. Number

95-2-22-1407-48

This Space for Approval Stamp



FOR D.E.P. USE

- ☐ Issuance of this permit is subject to the conditions attached. (see next page)
- ☐ For monitoring purposes only
- ☐

- ☐ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 1/20/97 Signature of Driller Beaver Registration No. 11306
Signature of Owner Thomas Wells agent for General Motors Corp

COPIES:

Water Allocation — White

Health Dept. — Yellow

Owner — Blue

Driller — White

New Jersey Department of Environmental Protection
Bureau of Water Allocation
MONITORING WELL RECORD

Well Permit No. 27-14061

Atlas Sheet Coordinates 27 : 24 : 331

OWNER IDENTIFICATION - Owner GENERAL MOTORS CORP
Address 1445 PARKWAY AVE
City TRENTON State NJ Zip Code 08625

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-1-21
County MERCER Municipality TRENTON CITY Lot No. 1 Block No. 343
Address 1445 PARKWAY AVE

TYPE OF WELL (as per Well Permit Categories) MONITORING
Regulatory Program Requiring Well MEMO OF AGREEMENT Case I.D.# 95-2-22-14071-48
DATE WELL STARTED 2/4/97
DATE WELL COMPLETED 2/4/97

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Haley & Aldrich Tele. # 1-717-327-5531

WELL CONSTRUCTION

Total depth drilled 14 ft.
Well finished to _____ ft.

Borehole diameter:
Top 75/8 in.
Bottom 75/8 in.

Well was finished: ☒ above grade
☐ flush mounted

If finished above grade, casing height (stick up) above land surface 2 ft.

Was steel protective casing installed?
☒ Yes ☐ No

Static water level after drilling 4 ft.

Water level was measured using Tape

Well was developed for 1.25 hours
at 1 gpm

Method of development Submersible pump

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity N/A gpm

Pump type: N/A

Drilling Fluid N/A Type of Rig Arker ADII

Health and Safety Plan submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None D C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) George Thornhill

Driller's Signature George Thornhill

Registration No. 11306 Date 2/15/97

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	4	2	304 Stainless	304
Middle Casing (for triple cased wells only)	N/A	N/A	N/A	N/A	N/A
Outer Casing (largest diameter)	N/A	N/A	N/A	N/A	N/A
Open Hole or Screen (No. Used 1)	4	14	2	304 Stainless	304
Blank Casings (No. Used)	N/A	N/A	N/A	N/A	N/A
Tail Piece	N/A	N/A	N/A	N/A	N/A
Gravel Pack	2.53	14	95/8	morie	"0"
Grout	0	1	95/8	Neat Cement Bentonite	50 lbs.

Grouting Method Tremie with pump
Drilling Method Auger

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations:

0 to 7.5' Brown Tan Sand and gravel Trace of Silty Clay
Note: water encountered at 4.0'

7.5' to 14' Red Brown Weathered Shale

THIS FORM MUST BE COMPLETED BY THE PERMITEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION-FORM B-LOCATION CERTIFICATION

Name of permittee: GENERAL MOTORS CORPORATION

Name of Facility: DELPHI INTERIOR LIGHTING SYSTEMS

Location: _____

NJPDES Number: _____

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's
Water Allocation Section, 609-984-6831):

27 - 14061 -

This number must be permanently affixed to
the well casing.

Longitude (one tenth of a second): West 74° 48' 16.9"

Latitude (one tenth of a second): North 40° 15' 43.6"

Elevation of Top of Casing (cap off) Top
(one-hundredth of a foot) PVC 112.52, Casing 112.88, Grnd 110.26

Owners Well Number (As shown on application
or plans):

MW-21

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

James D. McEwen
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

James D. McEwen
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

SEAL

31659
PROFESSIONAL LAND SURVEY'S LICENCE #

The department reserves the right in cases of violation of permit specified ground water limits or ground Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to be a major modification of the NJPDES permit.

Groundwater Sampling Records

SAMPLING COLLECTION AND PRESERVATION FORM
(to be completed by the sampling crew)

Please type or complete with a ball point pen.

Test Report Number(s) 97021978

BACKGROUND

(1) Facility Name: GENERAL MOTORS - DELPHI AUTOMOTIVE SYSTEMS

(2) NJPDES No.: _____

(3) Facility Address: 1445 PARKWAY AVENUE
TRENTON, N.J. 08680-1019

(4) Consultant Name: HALEY & ALDRICH OF NEW YORK

(5) Consultant Address: 180 NORTH WATER ST.
ROCHESTER, N.Y. 14604-1151

SAMPLING PLAN

- (6) Has a sampling and analysis plan been developed for this facility as stipulated under N.J.A.C. 7:14A-6.9? Yes _____ No _____
- (7) If yes, has the sampling plan been approved by the Department?
Yes _____ No _____
- (8) If the sampling plan has not been submitted to the Department, attach with these completed forms.

SAMPLING COLLECTION

9) Sample Date/Time: FEB. 20, 1997 / 07:45 - 14:00

<u>Sampling Personnel (Name/Title)</u>	<u>Affiliations</u>	<u>Phone</u>
<u>GEORGE RIKER</u>	<u>FIELD TECHNICIAN</u>	<u>EMSL ANALYTICAL, INC. 800 220-3675</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

- 11) Weather conditions at time of sampling: CLEAR MILD 50'S CALM
- 12) Is there a designated level of protection and if so indicate:
A____, B____, C____, D X

STATIC WATER LEVEL MEASUREMENT AND WELL EVACUATION

- 13) What method as utilized to determine the static water level?:
Electrical (m-scope) ✓, Stainless Steel Tape ____, Sonic ____,
Other ____: Explain: _____
- 14) Measuring device precise to: .01'
- 15) Model # .01 FT. Manufacturer: SOLINST
- 16) Was the water level indicator deconed between wells?
- 17) Describe the decontamination procedure: N/A (ONE WELL ONLY)
- 18) Wells are to be purged three to five times prior to sampling.
If wells are not purged as stated above, explain and justify the
exact purge method used.
N/A
- 19) Method used for well evacuation: Pump ✓, Bailer ____
- 20) If bailed to evacuate, what are the dimensions of the bailer? N/A
- 21) What is the volume capacity of the bailer? N/A
- 22) Pump Type: Submersible____, Bladder____, Gas Displacement____,
Gas Piston____, Centrifugal X, Other____
Explain: _____
- 23) Pump Model #/Flow Rate: MODEL 3P957A @ LESS THAN 1 GPM
- 24) Pump Manufacturer: TEEL ENGINE-DRIVEN THERMOPLASTIC PUMP
- 25) Describe decontamination method used to clean the pump between wells:
DEDICATED FOOT VALVE ON DEDICATED TUBING; CHECK VALVE BEFORE INTAKE
ON PUMP
- 26) Power Source for Pump: Gasoline Powered Generator____,
Gasoline Powered Compressor____, Gasoline Engine Driven Pump X

- 27) Was the gasoline transported in the same vehicle as the sample bottles, field and trip blanks or bailers? Yes X, No _____

(IN PUMP ENGINE ONLY)

28) Refer to the following chart for volume capacity for various wells per linear foot. (IN PUMP ENGINE ONLY)

Casing Diameter

Gallons/Linear Foot

1.5"	Gallons/linea
2"	0.092
4"	0.163
6"	0.66
8"	1.47
	2.61

- 29) Complete the below chart regarding evacuation measurements.

[illegible]

SAMPLING COLLECTION AND PRESERVATION

(30) Matrices Sampled: Aqueous: Potable Well____, Monitoring Well X,
Surface Water____, Leachate____, Other____

Explain: _____

(31) Dedicated Hose: Yes X, No____

(32) Hose Construction: PVC____, Teflon____, Tygon____, Butyl____, Vinyl____,
Polyethylene X, Other____ Explain: _____

(33) Sample Collection: (Time of Collection 11:25 - 12:05)

A) Bailer X, Construction: Teflon____, Stainless Steel____, PVC____

Size: 1000 ml oz., Construction: POLYETHYLENE

B) Becon Bomb_____

C) Other____, Explain: _____

34) Lines Used to Lower Bailer:

Teflon Coated Stainless Steel Cable/Leader____ Teflon X PVC Rope

Cotton Rope____, Polypropylene X, Other_____

(35) Are dedicated bailers used for each well?: Yes X, No____

(36) Are bailers: Laboratory Cleaned, YES____ NO X

Laboratory Name_____

Field Cleaned, YES____ NO X

Describe Decontamination Method: NORTON DISPOSABLE BAILER

(37) Prior to use, are bailers, sample bottles, hoses, etc. kept clean,
i.e., not placed in direct contact with ground, etc.: Yes X NO____

(38) Are sample bottles supplied by laboratory? Yes X NO____

(39) Are sample preservation instructions supplied by laboratory?
Yes X NO____

40) Are sample preservations supplied by laboratory? Yes X NO____

(41) Sample Preservation:

Constituent	Teflon Top in contact with sample YES or NO	Head Space Free YES or NO	Refrig- erated YES or NO	Acidified YES or NO	Alkalized YES or NO	Sterile Bottles YES or NO
VOA 8240	☒ YES	☒ YES	☒ YES	☒ YES	☐ NO	☐ NO
AB/N 8270	☒ YES	☐ NO	☒ YES	☐ NO	☐ NO	☐ NO
PCB 8080	☒ YES	☐ NO	☒ YES	☐ NO	☐ NO	☐ NO
CN 9012	☒ YES	☐ NO	☒ YES	☐ NO	☒ YES	☐ NO
P.P. METALS 6010A / 7000	☒ YES	☐ NO	☒ YES	☒ YES	☐ NO	☐ NO

(42) Indicates below any other constituents to be analyzed and their forms of preservation.

PH, TEMPERATURE, CONDUCTIVITY, DISSOLVED OXYGEN (ALL AS FIELD PARAMETERS)

43) Were samples for metals analysis filtered in field? Yes____, No ☒ X

44) Were samples for metals analysis filtered in lab? Yes____, No ☒ X

45) Field Blanks: Yes ☒ X, No____

46) Trip Blanks: Yes ☒ X, No____

47) Parameters/analysis for field and trip blanks; Volatile Organics ☒ X
Semi-Volatiles ☒ X Pesticides____ PCBs ☒ X Metals ☒ X Other ☒ X (CN)

48) Prior to sampling, was an equipment blank performed? Yes____ NO ☒ X

49) Prior to sampling each well are disposable gloves worn? Yes ☒ X NO____

50) If yes, are the gloves changed between wells? Yes ☒ X NO____

CHAIN OF CUSTODY

(51) Laboratory Name/Certification Number:

EMSL ANALYTICAL, INC. 04653

(52) Laboratory Address:

3 COOPER ST.

WESTMONT, N.J. 08108

(53) Laboratory receipt date and time: FEB 20, 1997 / 14:00

(54) Attached chain of custody: Yes X NO

Sample Number	Relinquished By	Received By	Time	Date	Reason for Change of Custody

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information contained in this report, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete and meets the description specified in N.J.A.C. 7:14A-2.5(a)10, and 6.1 through 6.12. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Analyst

Name/Title (printed) GEORGE RIKER FIELD TECHNICIAN

Signature  Date MARCH 3, 1997

Company Name and Address:

EMSL ANALYTICAL, INC.

SITE/SAMPLING LOCATION: G.M. DELPHI AUTO. SYSTEMS - TRENTON / HALCY & ALDRICH N.Y.

Date: 02-20-97 Weather: CLEAR MILD 50'S CALM

Sampling Personnel: G. RIKER / EML ANALYTICAL

Well I.D. # MW-21 N.J. Permit # _____

Casing Diameter: 2" OVA/HNU Reading: N/A

4.63' TO TOP OF STICK-UP

Depth to Water ^{10:33} FT	Depth of Well FT	Water Column FT	Intended Purge Volume (3X)
4.24 * * MARKED ON CASING	16.25	12.01	1.96 1X / 5.87 3X

Note: All measurements from top of inner casing unless otherwise noted = toc

Surveyed well elevation top of casing (T.O.C.): _____

Top of screen from top of casing (T.O.C.): _____

Elevation of groundwater (T.O.C.): _____

PURGE/SAMPLING

Purge method: TEEL CENTRIFUGAL PUMP Purge rate: LESS THAN 1 GPM

Purge time start: 10:50 Purge time end: 11:07

Volume Purged	Time	pH	Cond	Temp °C	D.O. ^{mg/L}	Remarks
Initial	10:50	5.32	.258 mS	7.3	1.65	INTAKE: 6' BRN/GRAY SLIGHTLY TURBID
2.0 GAL 1X	10:53	5.47	.258 mS	8.2	0.23	" TURBID
4.0 GAL 2X	10:56	5.49	.249 mS	8.1	0.31	LT. BRN. TURBID
6.0 GAL 3X	10:59	5.52	.248 mS	7.8	0.40	" TURBID
8.0 GAL 4X	11:04	5.49	.246 mS	7.8	0.44	" SLIGHTLY TURBID
10.0 GAL 5X	11:07	5.62	.254 mS	8.0	0.33	" SLIGHTLY TURBID

Depth to water (T.O.C.) before sampling: 4.26' Time: 11:30

Start time of sampling: 11:35 End time of sampling: 12:05

Physical parameters after sampling: pH 5.75 Temp 8.1°C Cond .252 mS D.O. 0.36 mg/L

sampling method: NORTON DEDICATED DISPOSABLE BAILER ON TEFLOW LEADEN

Comments: (odor, sheen, free product observed, recharge characteristics, etc.)

RECHARGE: GOOD * CONTINUED PURGE / RINSE WATER

ANALYSIS: VOA, SEMI-VOA, METALS, CN, PCB (MS/MSD)

SAMPLE: LT. BRN. SLIGHTLY TURBID FIELD BLANK PRIOR TO SAMPLING THIS WELL @ 11:25

TRIP BLANK (VOA)

SITE/SAMPLING LOCATION: GM DELPHI AUTO SYSTEMS - TRENTON / HALCY FALDRICH N.Y. 01 395
 Date: 03.6.97 Weather: CLEAR 40'S EXTREMELY WINDY ↑ W
 Sampling Personnel: G. RIKER EMSL ANALYTICAL
 Well I.D. # MW-21 N.J. Permit # _____
 Casing Diameter: 2" OVA/HNU Reading: N/A

DEPTH TO H₂O
FROM TOP OF
STICK-UP

4.67'

Depth to Water FT.	Depth of Well FT.	Water Column FT.	Intended Purge Volume (3X) GAL.
4.28	16.25	11.97	1.95 1x / 5.85 3x

Note: All measurements from top of inner casing unless otherwise noted = toc

Surveyed well elevation top of casing (T.O.C.): _____

Top of screen from top of casing (T.O.C.): _____

Elevation of groundwater (T.O.C.): _____

PURGE/SAMPLING

Purge method: TREZ CENTRIFUGAL PUMP Purge rate: LESS THAN 1 GPM

Purge time start: 11:24 Purge time end: _____

Volume Purged	Time	pH	Cond	Temp OF	D.O. mg/L	Remarks
Initial	11:24	4.83	123 μ S	56.8	3.9	INTAKE: ≈ 6'
2.0 GAL. 1X	11:28	4.42	163 μ S	50.3	4.9	SLIGHTLY TURBID
4.0 GAL. 2X	11:31	4.43	168 μ S	50.2	5.0	VERY SLIGHTLY TURBID
6.0 GAL. 3X	11:35	4.51	170 μ S	50.1	5.0	VERY SLIGHTLY TURBID
8.0 GAL. 4X	11:39	4.55	170 μ S	50.2	5.1	CLEAR
10.0 GAL. 5X	11:42	4.59	172 μ S	50.1	5.0	"

Depth to water (T.O.C.) before sampling: 4.29' Time: 12:05

Start time of sampling: 12:07 End time of sampling: 12:33

Physical parameters after sampling: pH 4.78 Temp 49.2°F Cond 170 μ S D.O. 4.6 mg/L

Sampling method: NORTON DEDICATED, DISPOSABLE BAILER ON TEFLOW LEADER

Comments: (odor, sheen, free product observed, recharge characteristics, etc.)

RECHARGE: GOOD * CONTAINED PURGE/RINSE WATER

ANALYSIS: VOA, SEMI-VOA, METALS, CN, PCB (MS/MSD)

SAMPLE: CLEAR INITIALLY, LATE PAVE BRN. SLIGHTLY TURBID

FIELD BLANK PRIOR TO SX: (12:00)
 TRIP BLANK (VOA)

SAMPLING COLLECTION AND PRESERVATION FORM
(to be completed by the sampling crew)

Please type or complete with a ball point pen.

Test Report Number(s) 97032648

BACKGROUND

- (1) Facility Name: GENERAL MOTORS - DELPHI AUTOMOTIVE SYSTEMS
- (2) NJPDES No.: _____
- (3) Facility Address: 1445 PARKWAY AVENUE
TRENTON, N.J. 08680-1019
- (4) Consultant Name: HALCY & ALDRICH OF NEW YORK
- (5) Consultant Address: 189 NORTH WATER ST.
ROCHESTER, N.Y. 14604-1151

SAMPLING PLAN

- (6) Has a sampling and analysis plan been developed for this facility as stipulated under N.J.A.C. 7:14A-6.9? Yes _____ No _____
- (7) If yes, has the sampling plan been approved by the Department? Yes _____ No _____
- (8) If the sampling plan has not been submitted to the Department, attach with these completed forms.

SAMPLING COLLECTION

- (9) Sample Date/Time: MARCH 6, 1997 / 08:00 - 14:30
- | (10) Sampling Personnel (Name/Title) | Affiliations | Phone |
|--------------------------------------|-------------------------|---|
| <u>GEORGE RIKER</u> | <u>FIELD TECHNICIAN</u> | <u>EMSL ANALYTICAL, INC. 800 220-3675</u> |
| | | |
| | | |
| | | |

) Weather conditions at time of sampling: CLEAR 40'S EXTREMELY WINDY ↑ W

(12) Is there a designated level of protection and if so indicate:

A___, B___, C___, D ☒

STATIC WATER LEVEL MEASUREMENT AND WELL EVACUATION

(13) What method as utilized to determine the static water level?:

Electrical (m-scope) ☒, Stainless Steel Tape ___, Sonic ___,

Other ___: Explain: _____

(14) Measuring device precise to: .01'

(15) Model # 101 Manufacturer: SOLINST

(16) Was the water level indicator deconed between wells?

(17) Describe the decontamination procedure: N/A (ONE WELL ONLY)

(18) Wells are to be purged three to five times prior to sampling.
If wells are not purged as stated above, explain and justify the exact purge method used.

N/A

(19) Method used for well evacuation: Pump ☒, Bailer ___

(20) If bailed to evacuate, what are the dimensions of the bailer? N/A

(21) What is the volume capacity of the bailer? N/A

(22) Pump Type: Submersible___, Bladder___, Gas Displacement___,
Gas Piston___, Centrifugal ☒, Other___

Explain: _____

(23) Pump Model #/Flow Rate: MODEL 3P957 A @ LESS THAN 1 GPM

(24) Pump Manufacturer: TEEL ENGINE-DRIVEN THERMOPLASTIC PUMP

(25) Describe decontamination method used to clean the pump between wells:

DEDICATED FOOT VALVE ON DEDICATED TUBING; CHECK VALVE BEFORE INTAKE

ON PUMP

() Power Source for Pump: Gasoline Powered Generator___,
Gasoline Powered Compressor___, Gasoline Engine Driven Pump ☒

(IN PUMP ENGINE ONLY)

- [illegible]

SAMPLING COLLECTION AND PRESERVATION

(30) Matrices Sampled: Aqueous: Potable Well____, Monitoring Well X,
Surface Water____, Leachate____, Other____

Explain: _____

(31) Dedicated Hose: Yes ☒, No____

(32) Hose Construction: PVC____, Teflon____, Tygon____, Butyl____, Vinyl____,
Polyethylene ☒, Other____ Explain: _____

(33) Sample Collection: (Time of Collection 12:00 - 12:33)

A) Bailer ☒, Construction: Teflon____, Stainless Steel____, PVC____

Size: 1000 ml oz., Construction: POLYETHYLENE

B) Becon Bomb N/A

C) Other____, Explain: _____

34) Lines Used to Lower Bailer:

Teflon Coated Stainless Steel Cable/Leader____ Teflon ☒ PVC Rope

Cotton Rope____, Polypropylene ☒, Other____

(35) Are dedicated bailers used for each well?: Yes ☒, No____

(36) Are bailers: Laboratory Cleaned, YES____ NO ☒

Laboratory Name _____

Field Cleaned, YES____ NO ☒

Describe Decontamination Method: NORTON DISPOSABLE BAILER

(37) Prior to use, are bailers, sample bottles, hoses, etc. kept clean,
i.e., not placed in direct contact with ground, etc.: Yes ☒ NO____

(38) Are sample bottles supplied by laboratory? Yes ☒ NO____

(39) Are sample preservation instructions supplied by laboratory?
Yes ☒ NO____

) Are sample preservations supplied by laboratory? Yes ☒ NO____

(41) Sample Preservation:

Constituent	Teflon Top in contact with sample YES or NO	Head Space Free YES or NO	Refrig- erated YES or NO	Acidified YES or NO	Alkalized YES or NO	Sterile Bottles YES or NO
VOA						
8240	YES	YES	YES	YES	NO	NO
ABIN						
8270	YES	NO	YES	NO	NO	NO
PCB						
8080	YES	NO	YES	NO	NO	NO
CN						
9012	YES	NO	YES	NO	YES	NO
P.P. METALS						
6010 N/7000	YES	NO	YES	YES	NO	NO

(42) Indicates below any other constituents to be analyzed and their forms of preservation.

pH, TEMPERATURE, CONDUCTIVITY, DISSOLVED OXYGEN (ALL AS FIELD PARAMETERS)

(43) Were samples for metals analysis filtered in field? Yes____, No ☒

(44) Were samples for metals analysis filtered in lab? Yes____, No ☒

(45) Field Blanks: Yes ☒, No____

(46) Trip Blanks: Yes ☒, No____

(47) Parameters/analysis for field and trip blanks; Volatile Organics ☒
Semi-Volatiles ☒ Pesticides____ PCBs ☒ Metals ☒ Other ☒ (CN)

(48) Prior to sampling, was an equipment blank performed? Yes____ NO ☒

(49) Prior to sampling each well are disposable gloves worn? Yes ☒ NO____

() If yes, are the gloves changed between wells? Yes ☒ NO____

CHAIN OF CUSTODY

(51) Laboratory Name/Certification Number:

EMSL ANALYTICAL, INC. 04653

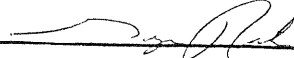
(52) Laboratory Address:

3 COOPER ST.WESTMONT, N.J. 08108(53) Laboratory receipt date and time: MARCH 6, 1997 / 14:30(54) Attached chain of custody: Yes ☒ NO ☐

Sample Number	Relinquished By	Received By	Time	Date	Reason for Change of Custody

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information contained in this report, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete and meets the description specified in N.J.A.C. 7:14A-2.5(a)10, and 6.1 through 6.12. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SamplerName/Title (printed) GEORGE RIKER FIELD TECHNICIANSignature  Date MARCH 17, 1997

Company Name and Address:

EMSL ANALYTICAL, INC.

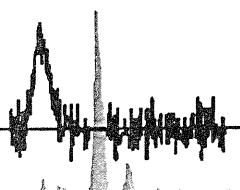


New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)



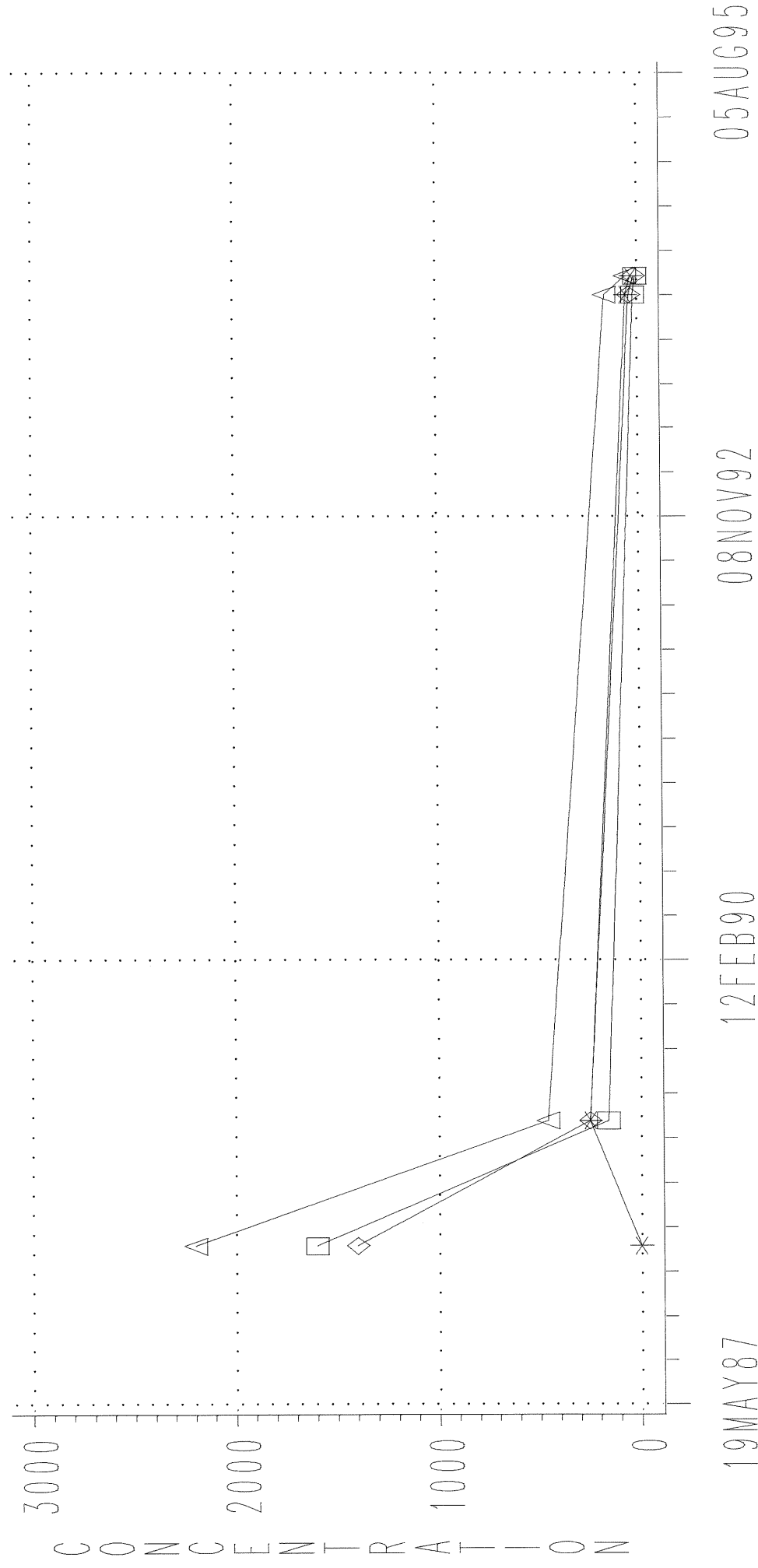
Statistical Summaries of Groundwater Quality Data from Former Gasoline UST Area

- BTEX Concentration Time-Series Plots for
Monitoring Wells UST-2, UST-4, UST-5, UST-7, and UST-8

- Mann-Whitney U-Test Worksheet

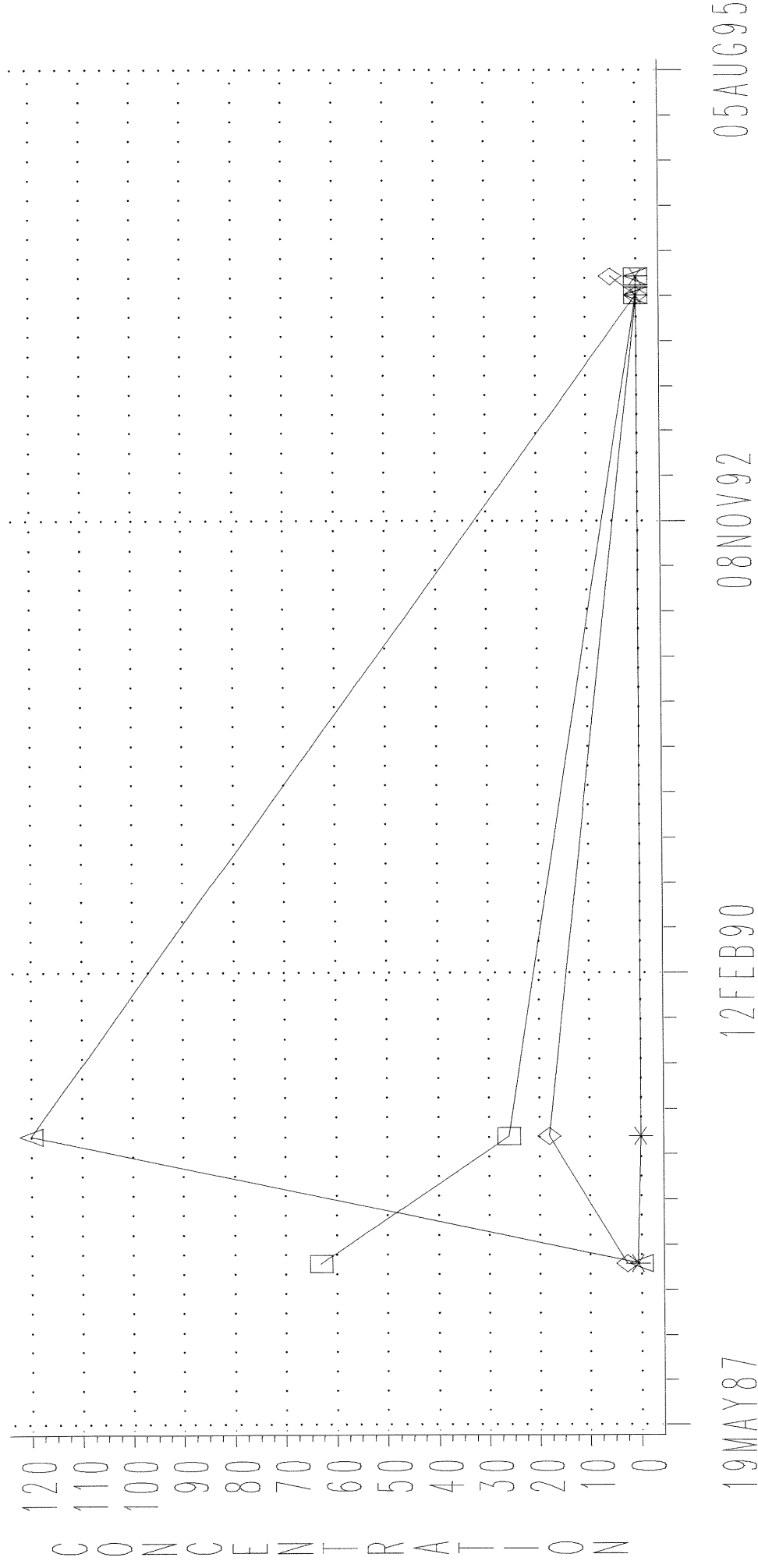
CONCENTRATION VS TIME

WELL=UST-2



CONCENTRATION VS TIME

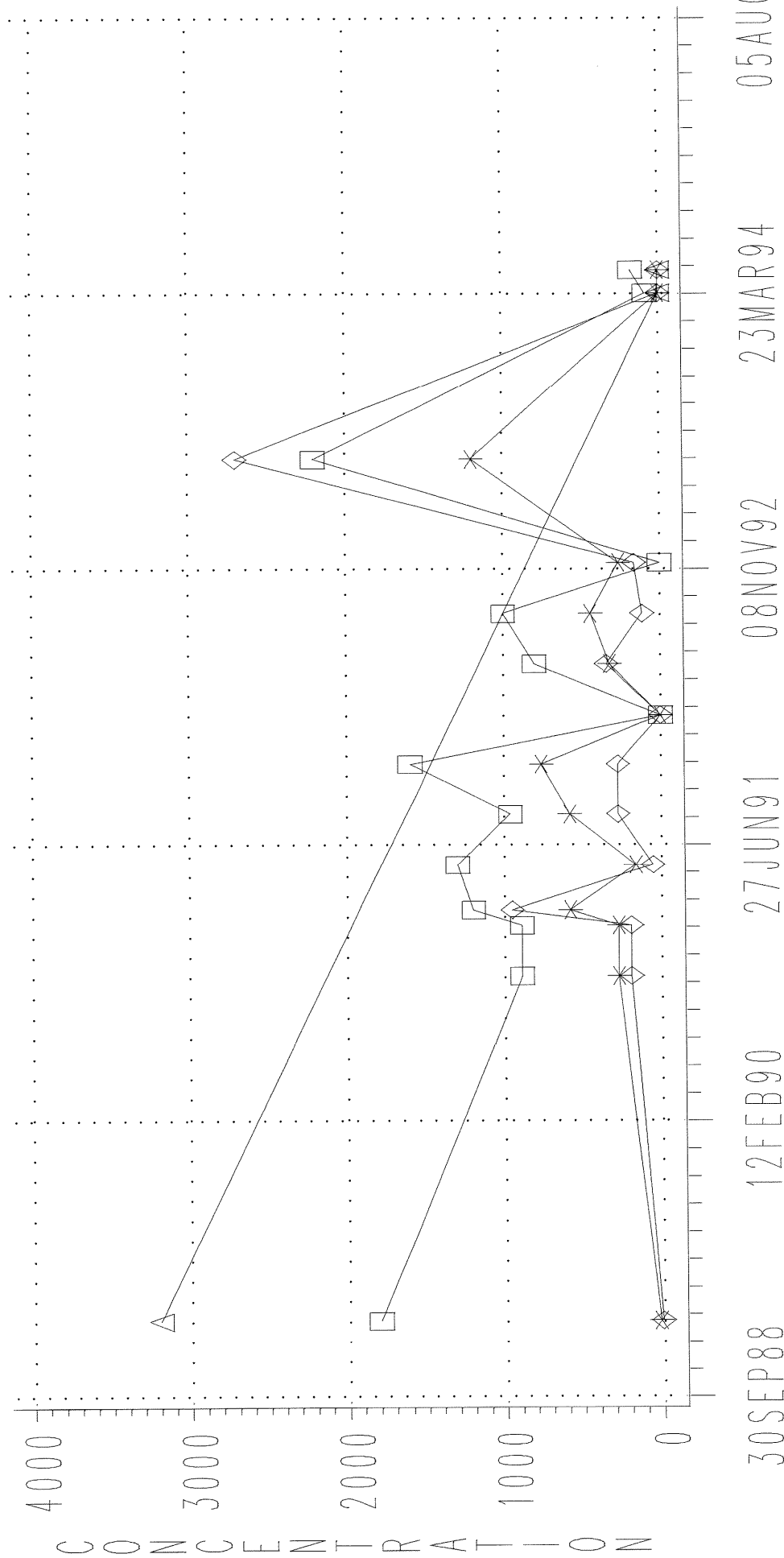
WELL=UST-4



DATE

CONCENTRATION VS TIME

WELL=UST-5

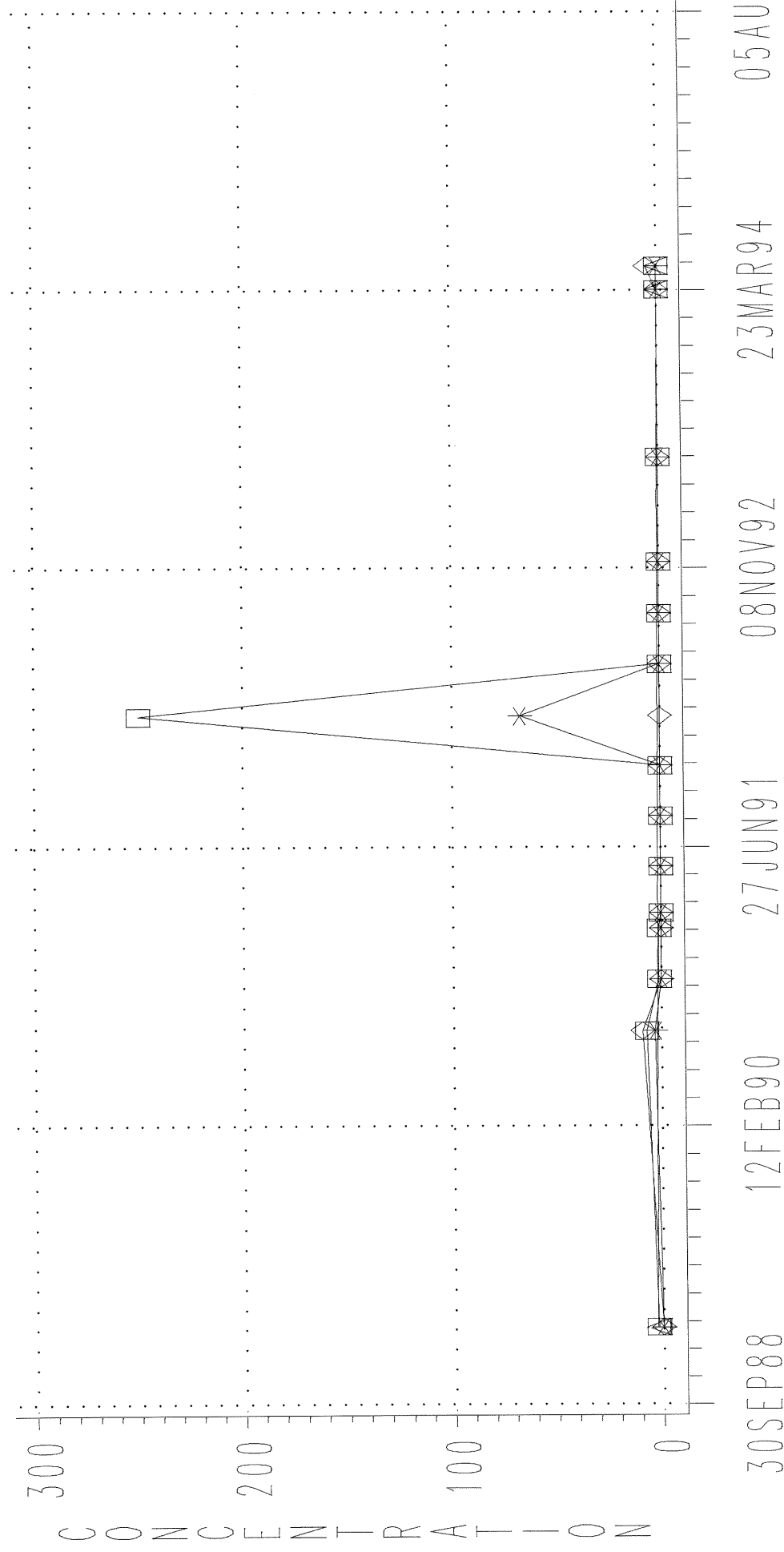


DATE

TEST □-□-□ BENZENE *-*-* ETHYLBENZENE
 ◇-◇-◇ TOLUENE △-△-△ XYLENES

CONCENTRATION VS TIME

WELL=UST-7



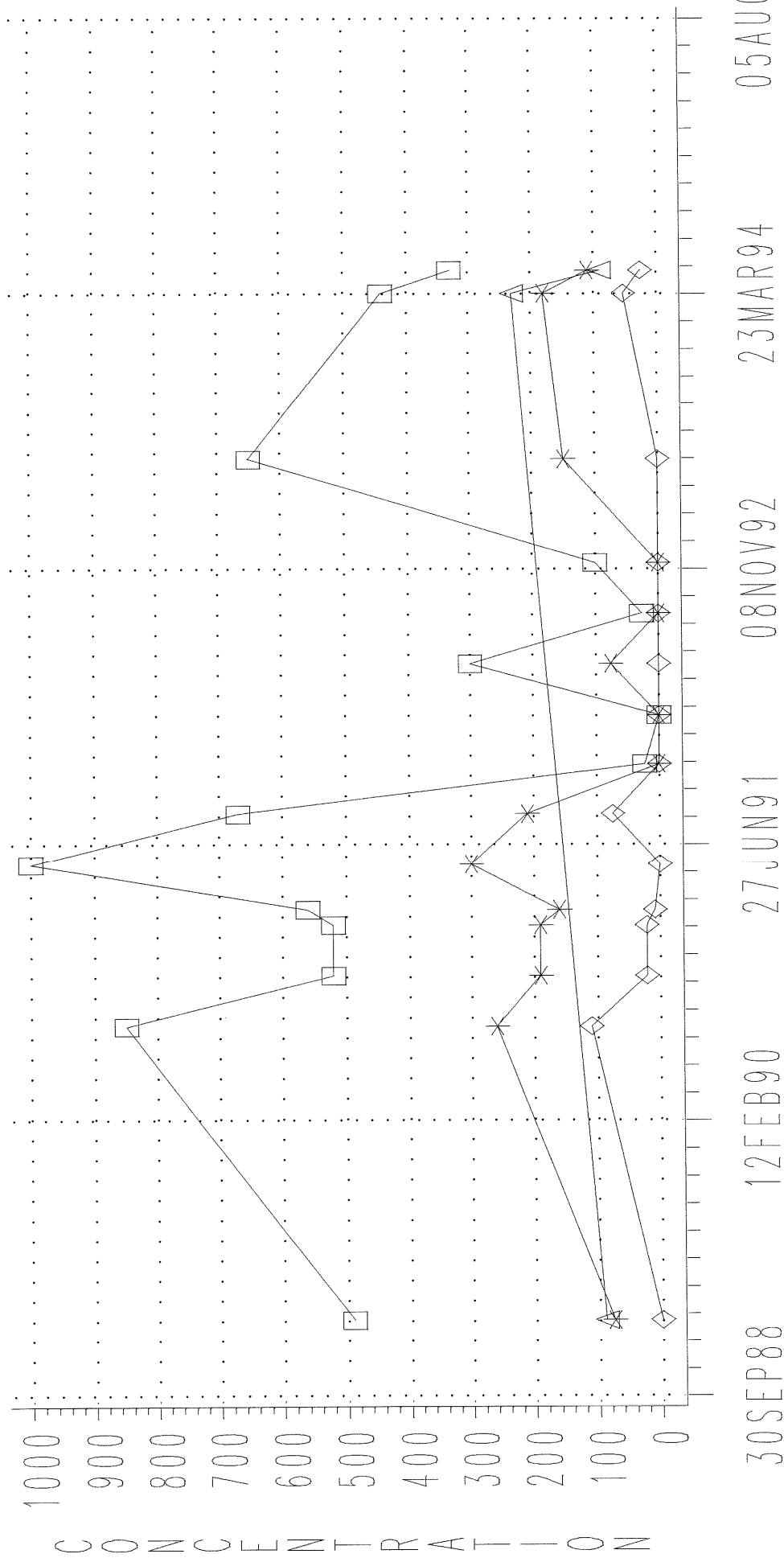
DATE

TEST □-□-□ BENZENE
 ◇-◇-◇ TOLUENE

--* ETHYLBENZENE
△-△-△ XYLENES

CONCENTRATION VS TIME

WELL=UST-8



DATE

TEST □-□-□ BENZENE
 ◇-◇-◇ TOLUENE

--* ETHYLBENZENE
 △-△-△ XYLENES

UST-2	UST-2						
	BENZEN	160	16-Feb-89	6.8	05-May-94	0	
UST-2	BENZEN	1600	11-May-88	18	24-Mar-94	0	
UST-2	ETHYLBE	0	11-May-88	55	24-Mar-94	2	
UST-2	ETHYLBE	250	16-Feb-89	28	05-May-94	0	
UST-2	TOLUEN	1400	11-May-88	39	24-Mar-94	0	
UST-2	TOLUEN	250	16-Feb-89	14	05-May-94	0	
UST-2	XYLENE	2200	11-May-88	160	24-Mar-94	0	
UST-2	XYLENE	460	16-Feb-89	56	05-May-94	0	
UST-4	UST-4						
	BENZEN	63	11-May-88	0	24-Mar-94	0	
UST-4	BENZEN	26	16-Feb-89	0	05-May-94	0	
UST-4	ETHYLBE	0.66	11-May-88	0	24-Mar-94	0	
UST-4	ETHYLBE	0	16-Feb-89	0	05-May-94	0	
UST-4	TOLUEN	2.6	11-May-88	0	24-Mar-94	1	
UST-4	TOLUEN	18	16-Feb-89	5	05-May-94	0	
UST-4	XYLENE	0	11-May-88	0	24-Mar-94	0	
UST-4	XYLENE	120	16-Feb-89	0	05-May-94	0	
UST-5	UST-5						
	BENZEN	1800	16-Feb-89				
	BENZEN	890	01-Nov-90				
	BENZEN	890	31-Jan-91	0	17-Feb-92	2	
	BENZEN	960	22-Aug-91	800	20-May-92	2	
	BENZEN	1200	28-Feb-91	1000	19-Aug-92	1	
UST-5	BENZEN	1300	21-May-91	1600	20-Nov-91	1	6
UST-5	BENZEN	0	17-Feb-92	0	19-Nov-92	3	
UST-5	BENZEN	800	20-May-92	79	24-Mar-94	1	
UST-5	BENZEN	1000	19-Aug-92	170	05-May-94	1	
UST-5	BENZEN	1600	20-Nov-91	2200	26-May-93	1	6
UST-5	ETHYLBE	19	16-Feb-89				
UST-5	ETHYLBE	270	01-Nov-90				
UST-5	ETHYLBE	160	21-May-91	0	17-Feb-92	3	
UST-5	ETHYLBE	270	31-Jan-91	320	20-May-92	3	
UST-5	ETHYLBE	580	22-Aug-91	440	19-Aug-92	1	
UST-5	ETHYLBE	580	28-Feb-91	760	20-Nov-91	1	8
UST-5	ETHYLBE	0	17-Feb-92	0	24-Mar-94	2	
UST-5	ETHYLBE	320	20-May-92	0	05-May-94	2	
UST-5	ETHYLBE	440	19-Aug-92	260	19-Nov-92	1	
UST-5	ETHYLBE	760	20-Nov-91	1200	26-May-93	1	6

UST-7	TOLUEN	0	20-Nov-91	0	19-Nov-92	0	
UST-7	TOLUEN	0	17-Feb-92	0	26-May-93	0	
UST-7	TOLUEN	0	20-May-92	0	24-Mar-94	0	
UST-7	TOLUEN	0	19-Aug-92	5	05-May-94	0	0
UST-7	XYLENE	2.5	16-Feb-89				
UST-7	XYLENE	0	24-Mar-94				
UST-7	XYLENE	0	05-May-94				
UST-8	BENZEN	490	16-Feb-89				
UST-8	BENZEN	850	01-Aug-90				
UST-8	BENZEN	520	01-Nov-90				
UST-8	BENZEN	520	31-Jan-91	0	17-Feb-92	0	
UST-8	BENZEN	560	28-Feb-91	23	20-Nov-91	0	
UST-8	BENZEN	670	22-Aug-91	26	19-Aug-92	0	
UST-8	BENZEN	1000	22-May-91	300	20-May-92	0	0
UST-8	BENZEN	0	17-Feb-92	100	19-Nov-92	4	
UST-8	BENZEN	23	20-Nov-91	330	05-May-94	4	
UST-8	BENZEN	26	19-Aug-92	440	24-Mar-94	4	
UST-8	BENZEN	300	20-May-92	650	26-May-93	3	15
UST-8	ETHYLBE	76	16-Feb-89				
UST-8	ETHYLBE	260	01-Aug-90				
UST-8	ETHYLBE	190	01-Nov-90				
UST-8	ETHYLBE	160	28-Feb-91	0	19-Aug-92	0	
UST-8	ETHYLBE	190	31-Jan-91	0	17-Feb-92	0	
UST-8	ETHYLBE	210	22-Aug-91	0	20-Nov-91	0	
UST-8	ETHYLBE	300	22-May-91	76	20-May-92	0	0
UST-8	ETHYLBE	0	19-Aug-92	0	19-Nov-92	3	
UST-8	ETHYLBE	0	17-Feb-92	110	05-May-94	3	
UST-8	ETHYLBE	0	20-Nov-91	150	26-May-93	3	
UST-8	ETHYLBE	76	20-May-92	180	24-Mar-94	3	12
UST-8	TOLUEN	0	16-Feb-89				
UST-8	TOLUEN	110	01-Aug-90				
UST-8	TOLUEN	21	01-Nov-90				
UST-8	TOLUEN	0	22-May-91	0	20-May-92	0	
UST-8	TOLUEN	8	28-Feb-91	0	19-Aug-92	0	
UST-8	TOLUEN	21	31-Jan-91	0	20-Nov-91	0	
UST-8	TOLUEN	74	22-Aug-91	0	17-Feb-92	0	0
UST-8	TOLUEN	0	20-May-92	0	26-May-93	2	
UST-8	TOLUEN	0	19-Aug-92	0	19-Nov-92	2	
UST-8	TOLUEN	0	20-Nov-91	25	05-May-94	2	
UST-8	TOLUEN	0	17-Feb-92	52	24-Mar-94	2	8

UST-5	TOLUEN	3.8	16-Feb-89				
UST-5	TOLUEN	190	01-Nov-90				
UST-5	TOLUEN	51	21-May-91	0	17-Feb-92	3	
UST-5	TOLUEN	190	31-Jan-91	110	19-Aug-92	2	
UST-5	TOLUEN	270	22-Aug-91	270	20-Nov-91	1	
UST-5	TOLUEN	950	28-Feb-91	340	20-May-92	0	6
UST-5	TOLUEN	0	17-Feb-92	0	24-Mar-94	2	
UST-5	TOLUEN	110	19-Aug-92	0	05-May-94	2	
UST-5	TOLUEN	270	20-Nov-91	160	19-Nov-92	1	
UST-5	TOLUEN	340	20-May-92	2700	26-May-93	1	6
UST-5	XYLENE	3200	16-Feb-89				
UST-5	XYLENE	0	24-Mar-94				
UST-5	XYLENE	0	05-May-94				
UST-7	BENZEN	2.2	16-Feb-89				
UST-7	BENZEN	7	01-Aug-90				
UST-7	BENZEN	1	01-Nov-90				
UST-7	BENZEN	0	22-May-91	0	20-May-92	1	
UST-7	BENZEN	0	22-Aug-91	0	19-Aug-92	1	
UST-7	BENZEN	0	28-Feb-91	0	20-Nov-91	1	
UST-7	BENZEN	1	31-Jan-91	250	17-Feb-92	1	4
UST-7	BENZEN	0	20-May-92	0	24-Mar-94	0	
UST-7	BENZEN	0	19-Aug-92	0	05-May-94	0	
UST-7	BENZEN	0	20-Nov-91	0	19-Nov-92	0	
UST-7	BENZEN	250	17-Feb-92	0	26-May-93	0	0
UST-7	ETHYLBE	0	16-Feb-89				
UST-7	ETHYLBE	3	01-Aug-90				
UST-7	ETHYLBE	0	01-Nov-90				
UST-7	ETHYLBE	0	22-May-91	0	20-May-92	1	
UST-7	ETHYLBE	0	22-Aug-91	0	19-Aug-92	1	
UST-7	ETHYLBE	0	31-Jan-91	0	20-Nov-91	1	
UST-7	ETHYLBE	0	28-Feb-91	67	17-Feb-92	1	4
UST-7	ETHYLBE	0	20-May-92	0	24-Mar-94	0	
UST-7	ETHYLBE	0	19-Aug-92	0	05-May-94	0	
UST-7	ETHYLBE	0	20-Nov-91	0	19-Nov-92	0	
UST-7	ETHYLBE	67	17-Feb-92	0	26-May-93	0	0
UST-7	TOLUEN	0	16-Feb-89				
UST-7	TOLUEN	9	01-Aug-90				
UST-7	TOLUEN	0	01-Nov-90				
UST-7	TOLUEN	0	31-Jan-91	0	20-Nov-91	0	
UST-7	TOLUEN	0	28-Feb-91	0	17-Feb-92	0	
UST-7	TOLUEN	0	22-May-91	0	20-May-92	0	
UST-7	TOLUEN	0	22-Aug-91	0	19-Aug-92	0	0

APPENDIX B

Waste Disposal Documentation

MOA Area A - Overpacked Drums



Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section

CN 421, Trenton, NJ 08625-0421

* C C / U 4 U 3 *

99

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

EPA Form 351-2-97 (Rev. 10/90) Expires 10/97

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address DELPHI INTERIOR & LIGHTING - GMC 1445 PARKWAY AVE TRENTON, NJ 08650		4. Generator's Phone (609) 771-6289		A. State Manifest Document Number NJA 2270403	
5. Transporter 1 Company Name TRI STATE MOTOR TRANSIT		6. US EPA ID Number M O D 0 9 5 0 3 8 9 9 8		B. State Generator's ID (Gen. Site Address) OK DISPOSAL PLAN #88035	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans. ID-NJDEPE 5 0 0 8 3	
9. Designated Facility Name and Site Address US POLLUTION CONTROL, INC. LONE MOUNTAIN RR #2 PO BOX 170, 1MI. NORTH and 5 MILES EAST OF JUNCTION U.S. 281 and OK 412 WAYNOKA, OK 73860-9622		10. US EPA ID Number O K D 0 6 1 5 4 3 8 3 7 6		D. Transporter's Phone (800) 234-8768	
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)		12. Containers		E. State Trans. ID-NJDEPE	
a. X RQ, HAZARDOUS WASTE, SOLID, N. O. S., 9, NA3077, PG III, (D005)(D007)(D040)		b. DM		F. Transporter's Phone	
c. X RQ, HAZARDOUS WASTE, SOLID, N. O. S., 9, NA3077, PG III, (P006)		d. DM		G. State Facility's ID SD4700Z	
				H. Facility's Phone (405) 697-3500	
				I. Waste No.	
				D 0 0 5	
				D 0 0 7	
				D 0 4 0	
				F 0 0 6	
J. Additional Descriptions for Materials Listed Above LONE MOUNTAIN ACCEPTANCE NO. a. LM96-0615 - BARIUM CHROMATE SLUDGE b. LM94-0449 - PIT CLEAN OUT SLUDGE		K. Handling Codes for Wastes Listed Above a. D 8 0			
15. Special Handling Instructions and Additional Information 24 HOUR PHONE (609) 771-6200					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name DAVID WORRELL		Signature <i>David Worrell</i> Month Day Year 05/20/97	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Roy McGLIRE		Signature <i>Roy McGlire</i>		Month Day Year 05/20/97	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Stacey Devine		Signature <i>Stacey Devine</i>		Month Day Year 05/23/97	

Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section

CN 421, Trenton, NJ 08625-0421

* 2 2 7 0 4 0 2 *

Use type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-99

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address DELPHI INTERIOR & LIGHTING - GMC 1445 PARKWAY AVE TRENTON, NJ 08650		N J D 0 0 1 2 3 5 3 9 5 1 7 0 4 0 2		6. US EPA ID Number M O D 0 9 5 0 3 8 9 9 8		A. State Manifest Document Number NJA-22-70402		B. State Generator's ID (Gen. Site Address) OK, DISPOSAL PLAN #88035	
4. Generator's Phone (609) 771-6289		5. Transporter 1 Company Name TRI STATE MOTOR TRANSIT		8. US EPA ID Number		C. State Trans. ID-NUDEPE 5 0 0 8 3		Decal No. 800 7 5 1 9 7	
7. Transporter 2 Company Name		9. Designated Facility Name and Site Address US POLLUTION CONTROL, INC. LONE MOUNTAIN RR #2 PO BOX 170, 5 MI. NORTH and 1 MILE EAST of JUNCTION U.S. 281 and OK 412 WAYNOKA, OK 73860-9622		10. US EPA ID Number O K D 0 6 5 4 3 8 3 7 6		D. Transporter's Phone (800) 7 5 1 9 7		E. State Trans. ID-NUDEPE	
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM a. X RQ, HAZARDOUS WASTE, SOLID, N. O. S., 9, NA3077, PG III, (D005)(D007)(D040)		12. Containers No. Type 52 DM		13. Total Quantity 41720		14. Unit P		Waste No. D-0-0-5 D-0-0-7 D-0-0-8	
b. c. d. 2W 43,000		15. Special Handling Instructions and Additional Information 24 HOUR PHONE (609) 771-6200		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name PAUL A. REYNOLDS Signature Paul A. Reynolds Month Day Year 10/24/97		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year	
19. Discrepancy Indication Space 97-2275		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Susan Gurn Signature Susan Gurn Month Day Year 04/29/97		SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES					



Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section

CN 421, Trenton, NJ 08625-0421 EMERGENCY CONTACT: 609-771-6580

6200

Use type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0035 Expires 9-30-95

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	12. Page 1 of 1	Information in the shaded area is not required by Federal law
3. Generator's Name and Mailing Address GENERAL MOTORS CORP. 1445 PARKWAY AVENUE TRENTON NJ 08650		6. US EPA ID Number 0000235855141115		A. State Manifest Document Number NJA 2728231	
4. Generator's Phone (609) 771-6289		7. Transporter 1 Company Name ANCHER INDUSTRIAL VAC SERVICE		B. State Generator ID Number TRENTON NJ 08650	
5. Transporter 1 Company Name ANCHER INDUSTRIAL VAC SERVICE		8. US EPA ID Number 0000000000000000		C. State Trans ID-NJDEPE 56993	
7. Transporter 2 Company Name		9. US EPA ID Number		D. Transporter's Phone (908) 852-2277	
8. Designated Facility Name and Site Address SLW WASTE, INC. 105 JACOBUS AVENUE SOUTH KEARNY, NJ 07032		10. US EPA ID Number 0000000000000000		E. State Trans ID-NJDEPE	
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) NO WASTE PAINT RELATED MATERIAL UN1263 PKG: III (EPA: D006, D040, D005)		12. Containers -No. Type		13. Total Quantity X3600	
14. Containers -No. Type		15. Unit -Wt/Vol		16. Waste No. P 1005	
17. Additional Descriptions for Materials Listed Above EAL (50% TRICHLOROETHYLENE 60% SOIL 0-5% POLY 0-50%		18. Handling Codes for Wastes Listed Above 1104		19. Special Handling Instructions and Additional Information SLW APP. 006855 (8/1/00) ALSO D006, D040	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Walter Warren		Signature <i>Walter Warren</i>		Month Day Year 04/18/97	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name George Desnickawa		Signature <i>George Desnickawa</i>		Month Day Year 04/18/97	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility, Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Michael Szohulsky					
Signature <i>Michael Szohulsky</i>		Month Day Year 04/18/97			

RECEIVED PENDING MANIFEST REVIEW & QUALITY CONTROL

MOA Area A - Excavation Water


**WASTE MANAGEMENT DIVISION
MICHIGAN DNR**

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐
 amended. 1.007
 Failure to file may subject you to criminal and/or civil penalties under Section 324.11123 or 324.12116 MCL.

Form Approved OARS No. 2050-003W Expires 9-30-02

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address GM DELPHI INTERIOR + LIGHTING 1445 PARAWAY AVE. TRENTON, NJ. 08650				A. State Manifest Document Number MI 4709074			
4. Generator's Phone 609-771-6284				B. State Generator's ID			
5. Transporter 1 Company Name FREEHOLD CARTAGE INC.				C. State Transporter's ID MI 4457158			
6. US EPA ID Number MI ID 001235395				D. Transporter's Phone 609-467-1001			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address CYANOKEM 12381 SCHAEFER HWY DETROIT, MI 48227				G. State Facility's ID			
10. US EPA ID Number MI ID 0980411992				H. Facility's Phone 313-933-1850			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER) HAZARDOUS WASTE LIQUID, A.O.S. (TRICHLOROETHYLENE) NA 3082 PG II, 9				12. Containers No. Type		13. Total Quantity Unit	
X				9		0.5050G U21218 H	
14. Additional Descriptions for Materials Listed Above APPROVAL # 28225 ML Decile A-7882 ERG 171				15. Handling Codes for Wastes Listed Above a/ 1 b/ 1 c/ 1 d/ 1			
16. Special Handling Instructions and Additional Information EMERGENCY TELEPHONE 609-771-6284 DAVID W. WORRELL							
17. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name DAVID W. WORRELL				Signature <i>David Worrell</i>		Date Month Day Year 12 09 96	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Michael Bay				Signature <i>Michael Bay</i>		Date Month Day Year 1 19 97	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space 40624							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18. Printed/Typed Name Dana S. Brown for Cyanokem							
Signature <i>Dana S. Brown</i>				Date Month Day Year 12 10 96			

EPA Form 8700-22 (Rev. 9/88)

TSDF COPY

Rev. 4/96 PR8110

JAN-30-97 THU 12:01 PM

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P. 3

ALL WASTE MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM BY TELEPHONE AT 1-800-945-4286 OR OUT OF STATE AT 517-373-2886 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-6462 24 HOURS PER DAY

DNR WASTE MANAGEMENT DIVISION
MICHIGAN DNR

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to criminal and/or civil penalties under Section 324.11181 or 324.12116 MCL.

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Form Approved OMB No. 2050-0039 Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No

Manifest Document No

2. Page of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

 GM DELTA ENTERPRISES, INC.
 1115 PARKWAY, WILMINGTON, DE 19801

A. State Manifest Document Number

MI 4709079

4. Generator's Phone ()

B. State Generator's ID

SAME

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM ID NUMBER).

12. Containers

13. Total Quantity

14. Unit

1. Waste No.

N/H

 a. X HEAVY METAL WASTE LIQUID, ACID
 (TRICHLOROETHYLENE) UN3092 04 II

No.

Type

Quantity

Unit

Waste No.

N/H

001 TT

05140G

022F

H

1. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

a/ 1

b/ 1

c/ 1

d/ 1

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

Month Day Year
11 20 1996

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year
12 10 1996

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

40636

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Date

Month Day Year
11 21 1996



WASTE MANAGEMENT DIVISION
MICHIGAN DNR

DO NOT WRITE IN THIS SPACE

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Failure to file may subject you to criminal and/or civil penalties under Section 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved OMB No. 2050-0089 Expires 9-30-98

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No.

Manifest
Document No.2 Page 1
of 1Information in the shaded areas
is not required by Federal
law.

3. Generator's Name and Mailing Address

DELTA LIGHTING
1445 PARKWAY AVE. TRENTON, NJ 08650

A. State Manifest Document Number
MI 4709078

4. Generator's Phone (607) 771-6200

B. State Generator's ID

5. Transporter 1 Company Name

FR. FUEL CARGO, INC

6. US EPA ID Number

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone

E. State Transporter's ID

9. Designated Facility Name and Site Address

CYANOKEM
1701 SCOFFEE HWY
DETROIT, MI 48207

10. US EPA ID Number

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)

12. Containers

13. Total Quantity

14. Unit

15. Waste No.

N/H

a. X HAZARDOUS WASTE LIQUID, A.S.
TRICHLOROETHYLENE PNA 302 3 III

No.

Type

Quantity

Unit

Waste No.

N/H

01/21

TI

23327

S

U225

H

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

a. WASTE OIL
FR-5 OIL

K. Handling Codes for Wastes Listed Above

a1 1

b1 1

c1 1

d1 1

15. Special Handling Instructions and Additional Information

DELTA LIGHTING / TELEPHONE 607-771-6200

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

DAVID W. WARELL

Signature

Date
Month Day Year

11/21/1996

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JIMMY J. RUSSELL

Signature

Date
Month Day Year

11/21/96

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name

Signature

Date
Month Day Year

19. Discrepancy Indication Space

40638

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Dana S. Brown for Cyanokem

Signature

Dana S. Brown for Cyanokem

Date
Month Day Year

11/21/1996

MOA Area B - Drums of Sludge Removed from Old Oil-water Separator



Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039, Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ J D I O O 2 3 5 3 9 5 1 7 0 4 0 0		Manifest Document No. 7 0 4 0 0		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address DELPHI INTERIOR & LIGHTING - GMC 1445 PARKWAY AVE TRENTON, NJ 08650						A. State Manifest Document Number NJA-22-70400					
4. Generator's Phone (609) 771-6289						B. State Generator's ID (Gen. Site Address) OK. DISPOSAL PLAN #88035					
5. Transporter 1 Company Name TRI STATE MOTOR TRANSIT						C. State Trans. ID-KUDEPE 50083					
6. US EPA ID Number M O D O 9 5 0 3 8 9 9						Decal No. 800 234 8768					
7. Transporter 2 Company Name						D. Transporter's Phone ()					
8. US EPA ID Number						E. State Trans. ID-KUDEPE					
9. Designated Facility Name and Site Address US POLLUTION CONTROL, INC. LONE MOUNTAIN RR #2 PO BOX 170, 1MI. NORTH and 5 MILES EAST OF JUNCTION U.S. 281 and OK 412 WAYNOKA, OK 73860-9622						10. US EPA ID Number 1 0 K D 0 6 5 4 3 8 3 7 6					
11. US DOT Description (including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. NON HAZARDOUS, NON REGULATED MATERIAL						D F		P		Waste No.	
b. X HQ, HAZARDOUS WASTE, LIQUID, N. O. S., 9, NA3082, PG III, (F006)						X 1 1 D		X 6 6 0 1 0 P		FIO 0 6	
c. NON HAZARDOUS, NON REGULATED MATERIAL						D F		P		Waste No.	
d. NON HAZARDOUS, NON REGULATED MATERIAL						X 5 8 D M		5 4 8 0 0 P		FIO 0 6	
e. NON HAZARDOUS, NON REGULATED MATERIAL						X 6 2 D		3 7 2 0 1 0 P		FIO 0 6	
J. Additional Descriptions for Materials Listed Above LONE MOUNTAIN ACCEPTANCE NOS. a. LM97-0334 - SCRAP POWDER PAINT b. LM94-0449 - PIT CLEANOUT SLUDGE c. LM97-0334 - SCRAP POWDER PAINT d. LM97-0450 - OIL WATER SEPARATOR SLUDGE						K. Handling Codes for Wastes Listed Above a. F-8-0 b.					
15. Special Handling Instructions and Additional Information 24 HOUR PHONE (609) 771-6200 SW 40.580											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name DAVID WORRELL						Signature <i>David Worrell</i>			Month Day Year 10 4 2 2 9 7		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name RALPH J. KRUEGER						Signature <i>Ralph J. Krueger</i>			Month Day Year 10 4 2 2 9 7		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature			Month Day Year		
19. Discrepancy Indication Space 97-2150											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18. Printed/Typed Name Miranda Adair											
Signature <i>Miranda Adair</i>						Month Day Year 10 4 2 2 9 7					

Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Form Approved OMB No. 2060-0068 Expires 6-30-98

Type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ D 0 0 2 3 5 3 9 5 1 7 0 4 0 4		Manifest Document No. 0 4		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address DELPHI INTERIOR & LIGHTING - GMC 1445 PARKWAY AVE TRENTON, NJ 08650						A. State Manifest Document Number NJA 2270404			
4. Generator's Phone (609) 771-6289						B. State Generator's ID (Gen. Site Address) OK. DISPOSAL PLAN #88035			
5. Transporter 1 Company Name TRI STATE MOTOR TRANSIT						C. State Trans. ID-NUDEPE 50083			
6. US EPA ID Number M O D 0 9 5 0 3 8 9 9 8						D. State Trans. ID-NUDEPE 800 234 8768			
7. Transporter 2 Company Name						E. State Trans. ID-NUDEPE			
8. US EPA ID Number						F. State Trans. ID-NUDEPE			
9. Designated Facility Name and Site Address US POLLUTION CONTROL, INC. LONE MOUNTAIN RR #2 PO BOX 170, 1MI. NORTH and 5 MILES EAST OF JUNCTION U.S. 281 and OK 412 WAYNOKA, OK 73860-9622						G. State Facility's ID SD47002			
10. US EPA ID Number O K I D 0 6 5 4 3 8 3 7 6						H. Facility's Phone (405) 697 3500			
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM						12. Containers		13. Waste No.	
						No.		Type	
a. NON HAZARDOUS, NON REGULATED MATERIAL						XX 1		D M XX 400 P	
b. NON HAZARDOUS, NON REGULATED MATERIAL						X 2		D H X 4800 P	
c. NON HAZARDOUS, NON REGULATED MATERIAL						XX 4		D M X 1600 P	
J. Additional Descriptions for Materials Listed Above LONE MOUNTAIN ACCEPTANCE NOS. a. LM97-0542 - PHOSPHATE SLUDGE b. LM97-0334 - SCRAP POWDER PAINT c. LM97-0450 - OIL WATER SEPERATOR SLUDGE						K. Handling Codes for Wastes Listed Above a. D 8 0			
15. Special Handling Instructions and Additional Information 24 HOUR PHONE (609) 771-6200									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name DAVID WORRELL						Signature <i>David Worrell</i>		Month Day Year 05 20 97	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Roy McGuire						Signature <i>Roy McGuire</i>		Month Day Year 05 20 97	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19 Printed/Typed Name Sharon Devine						Signature <i>Sharon Devine</i>		Month Day Year 05 23 97	

MOA Area A and B - Roll-offs

NJ 02010253391100010

3. Generator's Name and Mailing Address

Delphi Interior Lighting Systems GM
1445 Parkway Ave
Trenton, NJ 08650

Generator's Phone 609-771-6383

4. Transporter 1 Company Name

CONRAIL RAIL ROAD

5. Transporter 2 Company Name

UNION PACIFIC RAILROAD

6. Transporter 3 Company Name

DREW RAIL ROAD

7. Transporter 4 Company Name

8. Designated Facility Name and Site Address

ECDC Environmental

1111 W. Highway 123, P.O. Box 69, East Carbon, Utah 84520, Phone (801) 888-4461

9. U.S. DOT Description (including Proper Shipping Name)

HM

10. Containers

No. Type

11.

Total Quantity

12. Unit

Wt/Vol

13. Waste Profile
Sheet #

a. Non-Regulated Material

003 CM

XXIX 616

Ton

970686

1000

b.

28206-1000

14. Additional Descriptions for Materials Listed Above

① UPCA 410535 - 970686 - 1000

28206-1000

② UPCA 410741 - 970686 - 1000

③ UPCA 410768 - 970686 - 1000

15. Special Handling Instructions and Additional Information

CAR# TTCX91176

① ③ Oil/Water Separator Solids
970686-1000

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name

David Worrell

Signature

David Worrell

Month Day Year

03/10/97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

20. Transporter 4 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

21. Discrepancy Indication Space

22. Facility Owner or Operator: Certification of Receipt of non-hazardous materials covered by this Bill of Lading except as noted in item 21.

Printed/Typed Name

Darin T. Olson

Signature

D Olson

Month Day Year

03/14/97

• First Copy: Return to Generator

• Third Copy: Transporter #2

• Fifth Copy: Transporter #4

• Seventh Copy: Facility Copy

• Second Copy: Transporter #1

• Fourth Copy: Transporter #3

• Sixth Copy: Generator Copy

GENERATOR

TRANSPORTER

CITY

• Seventh Copy: Facility Copy

NHTD 0000353451100008

3. Generator's Name and Mailing Address

Delphi Interior Lighting Systems - Gm
1445 Parkway Ave.
Trenton, NJ 08650

Generator's Phone 609 771-6383

4. Transporter 1 Company Name

CONRAIL RAILROAD

5. Transporter 2 Company Name

UNION PACIFIC RAILROAD

6. Transporter 3 Company Name

DRGW RAILROAD

7. Transporter 4 Company Name

8. Designated Facility Name and Site Address

ECDC Environmental

1111 W. Highway 123, P.O. Box 69, East Carbon, Utah 84520, Phone (801) 888-4451

9. U.S. DOT Description (including Proper Shipping Name)

HM

10. Containers

No.

Type

11.

Total Quantity

12. Unit

Wt/Vol

13.

Waste Profile

Sheet #

a. Non-Regulated Material

XIX 3 CM XIXIX 6/6

T

See
#14

b. 28206-1000

14. Additional Descriptions for Materials Listed Above

① UPCN 411757 - 970686-1000

② UPCN 410331 - 22070-1000

③ UPCN 410381 - 970686-1000 28206-1000

15. Special Handling Instructions and Additional Information

① oil water separator SOLIDS

② oily Debris

③ oil water separator SOLIDS

CAR# TTCX 90710

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name

David Worrell

Signature

David Worrell

Month Day Year
03 10 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

20. Transporter 4 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

21. Discrepancy Indication: Space

22. Facility Owner or Operator: Certification of Receipt of non-hazardous materials covered by this Bill of Lading except as noted in item 21.

Printed/Typed Name

Darin T. Olson

Signature

D Olson

Month Day Year
03 24 97• First Copy: Return to Generator
• Second Copy: Transporter #1• Third Copy: Transporter #2
• Fourth Copy: Transporter #3• Fifth Copy: Transporter #4
• Sixth Copy: Generator Copy

• Seventh Copy: Facility Copy

NO BOOKING SITE 10100010

3. Generator's Name and Mailing Address **DELPHI INTERIOR LIGHTING SYSTEMS - GM.**
1445 PARKWAY AVE.

Generator's Phone (609) **771 6583** **TRENTON NJ 08650.**

4. Transporter 1 Company Name
CONRAIL - RAIL ROAD.

5. Transporter 2 Company Name
UNION PACIFIC RAILROAD.

6. Transporter 3 Company Name
DRGW RAIL ROAD.

7. Transporter 4 Company Name

8. Designated Facility Name and Site Address

ECDC Environmental

1111 W. Highway 123, P.O. Box 69, East Carbon, Utah 84520, Phone (801) 888-4451

9. U.S. DOT Description (including Proper Shipping Name)

HM

10. Containers
 No. Type

11. Total Quantity

12. Unit
 Wt/Vol

13. Waste Profile
 Sheet #

a.	NON REGULATED MATERIAL.	2	1	14265	Ton.	470686 -1000.
b.						

14. Additional Descriptions for Materials Listed Above

CONTAMINATED SOIL AND DEBRIS.

15. Special Handling Instructions and Additional Information

RAILCAR # NITX 67165-A.

CONTAINERS - UPCU 411128

GM 28206-1000

UPCU 41117.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name

David Worrell

Signature

David Worrell

Month Day Year
03/09/97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

20. Transporter 4 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

21. Discrepancy Indication Space

22. Facility Owner or Operator: Certification of Receipt of non-hazardous materials covered by this Bill of Lading except as noted in item 21.

Printed/Typed Name

Darin T. Olson

Signature

Darin T. Olson by [Signature]

Month Day Year

04/15/97

• First Copy: Return to Generator

• Third Copy: Transporter #2

• Fifth Copy: Transporter #4

• Seventh Copy: Facility Copy

• Second Copy: Transporter #1

• Fourth Copy: Transporter #3

• Sixth Copy: Generator Copy

GENERATOR

TRANSPORTER

CILITY

Shipping Bill of Lading

N 5 0 0 0 2 3 5 3 9 5 1 0 0 0 0 5

3. Generator's Name and Mailing Address

DELPHI INTERIOR LIGHTING
1445 PARKWAY AVE. TRENTON, NJ 08650

Generator's Phone (609) 771-6383

4. Transporter 1 Company Name

CONRAIL RAILROAD

5. Transporter 2 Company Name

UNION PACIFIC RAIL ROAD

6. Transporter 3 Company Name

DREW RAIL ROAD

7. Transporter 4 Company Name

8. Designated Facility Name and Site Address

ECDC Environmental

1111 W. Highway 123, P.O. Box 69, East Carbon, Utah 84520, Phone (801) 888-4451

9. U.S. DOT Description (Including Proper Shipping Name)

HM

10. Containers

No. Type

11.

Total Quantity

12. Unit

Wt/Vol

13. Waste Profile

Sheet #

a. NON REGULATED MATERIAL

3 EM 2168410

NET
LBS. 970686
-1000-

b.

14. Additional Descriptions for Materials Listed Above

CONTAMINATED SOIL + DEBRIS

UPCU 410946 UPCU 419972 UPCU 410743

15. Special Handling Instructions and Additional Information

CAR# JTTX 93726

Gm 28206-1001

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name

DAVID W. WERRELL

Signature

David Werrell

Month Day Year

10/5/01/97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

20. Transporter 4 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

21. Discrepancy Indication Space

22. Facility Owner or Operator: Certification of Receipt of non-hazardous materials covered by this Bill of Lading except as noted in item 21.

Printed/Typed Name

Darin T. Olson

Signature

D Olson

Month Day Year

10/5/01/97

• First Copy: Return to Generator

• Third Copy: Transporter #2

• Fifth Copy: Transporter #4

• Seventh Copy: Facility Copy

• Second Copy: Transporter #1

• Fourth Copy: Transporter #3

• Sixth Copy: Generator Copy

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Shipping Bill of Lading

N5D002353551100004

3. Generator's Name and Mailing Address

DELPHI INTERIOR LIGHTING - GM.
1445 PARKWAY AVE.

Generator's Phone (609) 771-6383 TRENTON NJ 08650

4. Transporter 1 Company Name

CONRAIL RAILROAD.

5. Transporter 2 Company Name

UNION PACIFIC RAILROAD.

6. Transporter 3 Company Name

DRGW. RAILROAD.

7. Transporter 4 Company Name

8. Designated Facility Name and Site Address

ECDC Environmental

1111 W. Highway 123, P.O. Box 69, East Carbon, Utah 84620, Phone (801) 888-4451

9. U.S. DOT Description (including Proper Shipping Name)

HM

a. NOW REGULATED MATERIAL.

10. Containers

No. Type

11.

Total Quantity

12. Unit

Wt/Vol

13. Waste Profile
Sheet #

NET

970686

LBS

1001

14. Additional Descriptions for Materials Listed Above

CONTAMINATED SOIL WITH DEBRIS.

UPCU411025 UPCU410782 UPCU410758.

15. Special Handling Instructions and Additional Information

RAILCAR VTX 90616

Gm 28206-1001

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name

DAVID WORRELL

Signature

David Worrell

Month Day Year

10/31/97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

20. Transporter 4 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

21. Discrepancy Indication Space

22. Facility Owner or Operator: Certification of Receipt of non-hazardous materials covered by this Bill of Lading except as noted in item 21.

Printed/Typed Name

Darin T. Olson

Signature

D Olson

10/31/97

• First Copy: Return to Generator

• Third Copy: Transporter #2

• Fifth Copy: Transporter #4

• Seventh Copy: Facility Copy

• Second Copy: Transporter #1

• Fourth Copy: Transporter #3

• Sixth Copy: Generator Copy

GENERATOR

TRANSPORTER

FACILITY

Shipping Bill of Lading

NJTD00235395100002

3. Generator's Name and Mailing Address

DELPHI INTERIOR LIGHTING - GM
1445 PARKWAY AVE.

Generator's Phone

(609) 771-6383 TRENTON NJ 08650

4. Transporter 1 Company Name

CONRAIL RAILROAD

5. Transporter 2 Company Name

UNION PACIFIC

6. Transporter 3 Company Name

DRGW RAILROAD

7. Transporter 4 Company Name

8. Designated Facility Name and Site Address

ECDC Environmental

1111 W. Highway 123, P.O. Box 69, East Carbon, Utah 84520, Phone (801) 888-4451

9. U.S. DOT Description (including Proper Shipping Name)

HM

10. Containers

No. Type

11.

Total Quantity

12. Unit

Wt/Vol

13.

Waste Profile Sheet #

a. NON REGULATED MATERIAL.

XXI

311480

NET

970686

LBS.

1001.

b.

14. Additional Descriptions for Materials Listed Above

CONTAINER # UFGU 410714. GM 28206-1001

CONTAMINATED SOIL & DEBRIS.

15. Special Handling Instructions and Additional Information

CAR# NTX 67165-B.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name

DAVID WORRELL

Signature

David Worrell

Month Day Year

03 15 1997

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

20. Transporter 4 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

21. Discrepancy Indication Space

22. Facility Owner or Operator: Certification of Receipt of non-hazardous materials covered by this Bill of Lading except as noted in item 21.

Printed/Typed Name

Darin T. Olson

Signature

Darin T. Olson

Month Day Year

09 15 1997

• First Copy: Return to Generator

• Third Copy: Transporter #2

• Fifth Copy: Transporter #4

• Seventh Copy: Facility Copy

• Second Copy: Transporter #1

• Fourth Copy: Transporter #3

• Sixth Copy: Generator Copy

GENERATOR

TRANSPORTER

CITY

NJ0000200340 1000000

3. Generator's Name and Mailing Address

DELPHI INTERIOR LIGHTING - 0 -
1445 PARKWAY AVE.

Generator's Phone (609) 771-6383

TRENTON NJ 08650.

4. Transporter 1 Company Name

CONRAIL RAILROAD.

5. Transporter 2 Company Name

UNION PACIFIC RAILROAD.

6. Transporter 3 Company Name

DREW RAILROAD.

7. Transporter 4 Company Name

8. Designated Facility Name and Site Address

ECDC Environmental

1111 W. Highway 123, P.O. Box 69, East Carbon, Utah 84520, Phone (801) 888-4451

GENERATOR

9. U.S. DOT Description (including Proper Shipping Name)

HM

10. Containers

No. Type

11.

Total Quantity

12. Unit

Wt/Vol

13. Waste Profile
Sheet #

a. NON REGULATED MATERIAL.

4X3 EM 8118170

NET
LBS.970686
1000.

b.

14. Additional Descriptions for Materials Listed Above

CONTAMINATED SOIL + DEBRIS.

Qm 28206-1000

UPCU 410934 UPCU 411675 UPCU 410349.

15. Special Handling Instructions and Additional Information

CARIF VTTX 93498.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name

DAVID WORROLL

Signature

David Worroll

Month Day Year

03 10 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

20. Transporter 4 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

21. Discrepancy Indication Space

CITY

22. Facility Owner or Operator: Certification of Receipt of non-hazardous materials covered by this Bill of Lading except as noted in item 21.

Printed/Typed Name

Darin T. Olson

Signature

D Olson

Month Day Year

05 27 97

• First Copy: Return to Generator

• Third Copy: Transporter #2

• Fifth Copy: Transporter #4

• Seventh Copy: Facility Copy

• Second Copy: Transporter #1

• Fourth Copy: Transporter #3

• Sixth Copy: Generator Copy

ATTACHMENT 1 - TABLE OF CONTENTS

Volume

(* - Laboratory analysis reports have not been included in this copy of the report.)

Laboratory Analysis Reports, EMSL Analytical, Inc.

<u>96-130971</u>	<u>*</u>
MOA Area A Drum samples (Drums 1, 2, and 4) and "Excavation Water"	
<u>96-131145</u>	<u>*</u>
MOA Area A Drum samples (Drums 10 through 15)	
<u>96-131174</u>	<u>*</u>
MOA Area A Drum samples (Drums 17 and 24)	
<u>96-131705</u>	<u>*</u>
MOA Area B - MOA B o/w Residue	
<u>96-021978</u>	<u>*</u>
MOA Area A Groundwater samples, 2/20/97	
<u>96-032648</u>	<u>*</u>
MOA Area A Groundwater samples, 3/6/97	

Laboratory Analysis Reports, Katahdin Analytical Services

Katahdin Analytical Services Letter Concerning Sample Re-analysis	(attached)
<u>WM-2523</u>	<u>*</u>
MOA Area C Test boring samples (test borings MOA-C-B1 through -B6)	
<u>WM-2540</u>	<u>*</u>
MOA Area C Test boring samples (test borings MOA-C-B2A, -B7 through -B5, and Duplicates 1 through 3)	
<u>WM-2612</u>	<u>*</u>
MOA Area A Contaminated soil samples (S1, S2, S7, and Duplicate 4)	
<u>WM-2630</u>	<u>*</u>
MOA Area B water sample from oil-water separator prior to demolition (WT-1)	
<u>WM-2656</u>	<u>*</u>
MOA Area A Confirmation soil samples (MOA-A-CONFS1 through -CONFS8) and MOA Area A Clean-soil-pile samples (MOA-A-CS1 through -CS6)	

ATTACHMENT 1 - TABLE OF CONTENTS, continued

Volume

(* - Laboratory analysis reports have not been included in this copy of the report.)

Laboratory Analysis Reports, Katahdin Analytical Services, continued

<u>WM-2670</u> MOA Area A Excavation water samples (Excav S1, Excav S2) and MOA Area B Confirmation soil samples (MOA-BS1 through -BS5)	<u>*</u>
<u>WM-2670</u> MOA Area A Excavation Water samples (MOA-A-EXCAV S1 and S2) and MOA Area B Confirmation soil samples (MOA-BS1 through -BS6)	<u>*</u>
<u>WM-2759</u> MOA Area A Excavation Water sample (MOA-A-T3), MOA Area A Confirmation soil sample (MOA-A-CONF9), and MOA Area B Confirmation soil samples (MOA-B-S11 through -S14)	<u>*</u>
<u>WM-2774</u> MOA Area A Excavation Water sample (MOA-A-T2) and MOA Area B Confirmation soil samples (MOA-B-S1 through -S4 and -S20)	<u>*</u>
<u>WM-2798</u> MOA Area B Confirmation soil samples (MOA-B-S5 through -S8, -S17, and -S18)	<u>*</u>
<u>WM-2837</u> MOA Area B Confirmation soil samples (MOA-B-S9, -S10, -S15, -S19, and MOA-B-DUP)	<u>*</u>
<u>WM-2920</u> MOA Area B Confirmation soil sample (MOA-B-S16)	<u>*</u>
<u>WM-2976</u> MOA Area B Confirmation soil samples (MOA-B-S21 through -S23)	<u>*</u>
<u>WM-2985</u> MOA Area A Waste characterization samples (Drum Comp, Roll-off Comp)	<u>*</u>
<u>WN-0087</u> MOA Area B Waste characterization sample (MOA-B-RC1)	<u>*</u>
<u>WN-0089</u> MOA Area B Excavated soil samples (MOA-B-S24 and -S25)	<u>*</u>



January 23, 1997

Mr. Denis Conley
Haley & Aldrich, Inc.
189 North Water Street
Rochester, NY 14604

Dear Mr. Conley:

This letter is written to provide justification for the required re-analysis for several samples from the GM-Trenton project. In all cases, re-analysis was required due to matrix interference or dilution for the quantitation of target compounds.

Invoice # 89038

<u>Katahdin Sample #</u>	<u>Haley & Aldrich Sample #</u>	<u>Fraction</u>	<u>Reason for Re-analysis</u>
WM2523-14	MOA-C-B5(S1)	SVOA	Internal standard area out of criteria. Re-analysis confirmed matrix interference.

Invoice #89114

<u>Katahdin Sample #</u>	<u>Haley & Aldrich Sample #</u>	<u>Fraction</u>	<u>Reason for Re-analysis</u>
WM2540-6	MOA-C-B13(S1)	SVOA	Internal standard area out of criteria. Re-analysis confirmed matrix interference.
WM2640-15	MOA-C-B7(S3)	SVOA	Internal standard area out of criteria. Re-analysis confirmed matrix interference.
WM2540-24	MOA-C-B11(S2)	SVOA	Internal standard area out of criteria. Re-analysis confirmed matrix interference.
WM2540-25	MOA-C-B11(S3)	SVOA	Internal standard area out of criteria. Re-analysis confirmed matrix interference.
WM2540-31	MOA-C-B15(S3)	SVOA	Internal standard area out of criteria. Re-analysis confirmed matrix interference.
WM2540-18	MOA-C-B8(S2)	SVOA	Dilution required for the quantitation of the following target compounds: Fluoranthene, Pyrene, Benzo(a)anthracene Chrysene, Benzo(b)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene and Benzo(g,h,i)perylene
WM2540-9	MOA-C-B13(S4)	SVOA	Internal standard area out of criteria. Re-analysis confirmed matrix interference. Due to matrix interference, the surrogate Terphenyl-d14 was out of criteria. Dilution was required to bring this surrogate into criteria.

Invoice #89159

Katahdin Sample #

WM2630-1

Haley & Aldrich Sample # Fraction Reason for Re-analysis

WT-1

VOA

Due to matrix interference, the surrogate Dibromofluoromethane was out of criteria. Dilution was required to bring this surrogate into criteria.

According to the Data Validation Report Format for Analytical Deliverables BEMQA No.4.03, **re-analysis is required if internal standard areas do not meet criteria**. As required in BEMQA No.4.03 page 75 of 126 paragraph 7.b.v.b, reports of analysis and all associated raw data for the above mentioned samples- including re-analyses and dilutions, was provided in the original data package. Copies of applicable pages from BEMQA No.4.03 are appended to this letter.

If you have any questions, or if I can be of additional assistance, please contact me at (207)874-2400.

Sincerely,



Kelly Perkins

Project Manager

Katahdin Analytical Services

attachments: 2 pages form BEMQA No. 4.03 (June 1989)

7. Internal Standard Area Evaluation

a. Objective

The assessment of changes in the absolute area of internal standards is for the purpose of determining the existence of inferior GC performance and/or loss of instrument sensitivity resulting in an adverse effect on compound quantitation. The criteria for evaluating internal standard areas applies to all field samples, QC samples, and blanks.

b. Requirements

- i) The extracted ion current profile (EICP) and retention time of the internal standards must be monitored and evaluated for each field sample, QC sample and blank.
- ii) If field samples, QC samples, and blanks are analyzed immediately following an initial calibration but before another GC/MS tune and a continuing calibration, evaluation will be conducted on the basis of the internal standard areas and retention time of the 50 ng initial calibration standard for semivolatiles.
- iii) If field samples, QC samples and blanks are analyzed immediately following a GC/MS tune and a continuing calibration, evaluation will be conducted on the basis of the internal standard areas and retention times in the semivolatile continuing calibration standard.
- iv) The EICP area for each internal standard in all field samples, QC samples and blanks must be between -50% and 100% of the respective internal standard EICP area in the appropriate calibration standard.
- v) If one (1) or more internal standard EICP areas do not meet criteria, the GC/MS system must be inspected for malfunction and corrections made as appropriate. When corrections are made, reanalysis of all affected field samples, QC samples and blanks is required.
 - (a) If after reanalysis, the EICP areas for all internal standards meet criteria (-50% to 100%), then the problem with the first analysis is considered to have been within the control of the laboratory. Therefore, only data from the analysis with EICPs within the contract limits are required to be submitted.
 - (b) If the reanalysis of the sample does not solve the problem (i.e., the EICP areas are outside the contract limits for both analyses), then the laboratory must submit the EICP data and sample data from both analyses. The laboratory must document in the Non Conformance Summary all inspection and corrective actions taken.
- vi) The retention time area for each internal standard in all field samples, QC samples and blanks must be between ± 30 seconds of the respective internal standard retention time in the appropriate calibration standard.
- vii) If one (1) or more retention times of the internal standards do not meet criteria, the GC/MS system must be inspected for malfunction and corrections made as appropriate. When corrections are made, reanalysis of all affected field samples, QC samples and blanks is required.