ICE MILLER LLP
LEGAL COUNSEL

March 28, 2012

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Delivered via Regular Mail

John Matson
Associate Regional Counsel
United States Environmental Protection Agency
Region V
Mail Code: C-14J
77 West Jackson Blvd.
Chicago, IL 60604

RE: Needmore Road Property, Dayton, Ohio

Dear Mr. Matson:

Pursuant to Mr. Reidy's instructions, enclosed please find a CD-ROM containing the *Phase II Data Gap Assessment* for the 3100 Needmore Road site in Dayton, Ohio. If you have any questions regarding the enclosed, please contact Mr. Reidy at (614) 462-2207.

Sincerely,

ICE MILLER LLP

Deborah L. Biszaha

Deborah L. Biszaha
Legal Secretary to Joseph M. Reidy

Enclosure
cc: Carl Sottosanti (with enclosure)

4066310v1

Hull & associates, inc.

June 21, 2011

Mr. Ed. Hanson
Dayton Real Estate Ventures, Inc.
448 W. Nationwide Blvd. Loft 211
Columbus, Ohio 43215

Re: Due Diligence Phase II Data Gap Assessment for 3100 Needmore Road, Montgomery County, Ohio; PNG003.300.0014.

Dear Mr. Hanson:

This letter summarizes the Phase II data gap investigation at the former Delphi Automotive Property located at 3100 Needmore Road in Dayton, Ohio. The location of the Property is shown on Figure 1. This investigation was conducted to provide information to address identified areas (IAs) and recognized conditions (RECs) identified in Hull's Phase I Assessment for this Property and to supplement data from previous investigation conducted by Haley & Aldrich in 2006. The assessment was conducted in anticipation of transfer of the property and redevelopment as a horse track and slot parlor facility.

PROPERTY DESCRIPTION

The Property is located at 3100 Needmore Road (also listed as 4701 Wagner Ford Road) in the City of Dayton, Montgomery County, Ohio. The Property is bound by Needmore Road to the north, Wagoner Ford Road to the east and south, and a CSX Transportation railroad yard to the west. The Property has a combined acreage of 119.448 acres.

Presently, the Property is unoccupied. All structures on the Property, with the exception of a guardhouse and pump house in the northern and southern portions of the Property, respectively, have been demolished by Indiana Metal, the current property owner. The former manufacturing building concrete slab remains intact. Remnant concrete structures associated with the former waste water treatment plant and outbuildings are also present. A large asphalt paved parking lot is situated immediately east of the concrete slab. Grass covered areas are located north and south of the former manufacturing building. Two large drainage ditches are present in the southern portion of the Property along the eastern and western Property boundary. Surface water flows southward through the drainage ditches to two storm retention ponds in the southern portion of the Property. A pump house is located between the two ponds. Access to the Property is available from Needmore Road and Wagner Ford Road.

SUMMARY OF PHASE I PROPERTY ASSESSMENT

A Phase I Property Assessment (Phase I) was completed for the Property by Hull in April 2011 (Hull Document No. PNG003.300.0002). The Phase I was performed in accordance with the requirements of the Ohio Voluntary Action Program (VAP) as codified in the Ohio Administrative Code (OAC) Rule 3745-300-06 (effective March 1, 2009) and consistent with the American Society for Testing and Materials (ASTM) Standard E 1527-05, which incorporates the Brownfields Revitalization Act All Appropriate Inquiry Rule (AAI). Based on the information generated during the Phase I Assessment, Hull identified 25 IAs pursuant to the Ohio VAP and 23 RECs and 2 historic RECs (HRECs) in accordance with the ASTM Standard E-1527-05. A summary of IAs, RECs and HRECs is provided in Table 1.

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614.793.8777 fax 614.793.9070 www.hullinc.com

SUMMARY OF PHASE II DATA GAP ASSESSMENT ACTIVITIES

The purpose of this assessment was to evaluate suspected chemicals of concern (COCs) associated with the IAs and RECs in comparison to current environmental regulatory standards. Hull's soil boring and monitoring well locations were selected in order to fill data gaps identified within the various IAs and RECs established for the Property and to supplement data from Haley & Aldrich's 2006 investigation. Although the Property is not anticipated to proceed through the Ohio VAP, results of laboratory analysis of soil samples collected during this assessment were compared to VAP generic, single-chemical direct-contact standards assuming future land use would be commercial and that construction/excavation activities would be conducted during redevelopment of the Property. Groundwater samples were compared to VAP unrestricted potable use standards (UPUS) for groundwater for information purposes only.

Subsurface Soil Investigation

Between May 23 and June 3, 2011, Hull contracted the services of Envirocore and Boart Longyear to complete all drilling and well installation activities. Drilling activities were conducted under the supervision of a Hull Hydrogeologist. The majority of the soil borings (SB-1 through SB-35) were completed by Envirocore using direct-push sampling techniques. Soil borings MW-1 through MW-8 were installed by Boart Longyear using roto-sonic drilling techniques. Direct-push borings were advanced to depths of 10 to 20 feet below ground surface (bgs). Borings completed using the rotosonic rig were advanced into saturated sand and gravel deposits to a maximum depth of 47 feet bgs. The borings were completed to provide information concerning potential impacts to on-Property soils. As a conservative approach, each boring was biased toward areas of the Property that are expected to exhibit the highest levels of contamination, if present. The location of each soil boring/monitoring well is shown on Figure 2.

All soil borings were continuously sampled. Soil samples were collected utilizing either a 2-inch outside diameter (OD) 60-inch long macro-core sampler with single-use acetate sampler liners, or a roto-sonic core barrel. Non-dedicated equipment was decontaminated with potable water and a non-phosphate detergent prior to use and between each soil boring location to minimize the potential for cross contamination. All decontamination procedures were performed on-Property under the observation of Hull's personnel. The Hull field personnel wore a clean pair of nitrile gloves while handling each soil sample to maintain sample integrity. Soil samples were collected from each distinct stratigraphic unit or a minimum of one per two-foot interval and then logged. A copy of each soil boring log is provided in Attachment A.

A representative portion of each soil sample was immediately placed in a clean laboratory-supplied jar. The sample containers were labeled and immediately placed on ice in a cooler. The remaining soil from the appropriate sample interval was placed in a clean sealable bag for field headspace screening using a *Thermo Environmental OVM* 580B photoionization detector (PID) equipped with a 10.6 eV lamp. Before screening any samples, the PID was calibrated in accordance with the manufacturer's specifications using an isobutylene gas standard. The portion of each soil sample collected for headspace screening was allowed to warm to ambient temperature to promote volatilization of any volatile organic compounds (VOCs). The PID probe was carefully inserted through the seal of each bag and the maximum meter response from

each sample was recorded in the soil boring log. Soil sample PID screening results are shown on the boring logs in Attachment A.

A minimum of two soil samples from each of the soil borings were collected and submitted for laboratory analyses. A sample was submitted from the 0 to 2-foot interval in each of Hull's soil borings in order to document the presence, or absence, of COCs within the point of compliance for commercial/industrial worker exposure. In general, visual observations and PID screening results were used to select a second or more samples from each soil boring location for laboratory analysis. Additional samples were biased within the interval between 2 and 10 feet to determine the presence, if any, of COCs within the point of compliance anticipated for future construction/excavation worker exposure. Additional soil samples were collected from depths below 10 feet in areas where former structures extended below a depth of 10 feet and in deep borings where monitoring wells were installed.

Samples were submitted for chemical analysis to ALS laboratory Group (Certified Lab # CL0069) in Cincinnati, Ohio. Soil samples submitted to a laboratory were analyzed for one or more of the following: volatile organic compounds (VOCs) in accordance with U.S. EPA Method 8260, polynuclear aromatic hydrocarbons (PAHs) in accordance with U.S. EPA Method 8270, polychlorinated biphenyls (PCBs) in accordance with U.S. EPA Method 8081, VAP Metals in accordance with U.S. EPA Method 6010/7471 series, cyanide in accordance with U.S. EPA Method 335.2, and/or total petroleum hydrocarbons (C_6-C_{12}, C_{10}-C_{20} and C_{20}-C_{34}) in accordance with U.S.EPA Method 8015M. Trip blanks were submitted for quality assurance and quality control purposes.

Did Phase I identify a tank?

A copy of laboratory reports and chain-of-custody documentation is included in Attachment B

Four test pits were also completed on June 17, 2011 by Environmental Management Specialists (EMS) to investigate a metal anomaly (IA/REC-23) that was identified during the April 2011 geophysical survey. The test pits were advanced to a depth of at least 6 feet. No evidence of an underground storage tank or metal debris was observed in the test pits. The location of the test pits are shown on Figure 2.

Groundwater Investigation

Eight monitoring wells (MW-1 through MW-8) were installed to identify the presence and concentration of COCs in groundwater. Each monitoring wells was constructed of two-inch internal diameter (ID), Schedule 40 polyvinyl chloride (PVC) riser with a 20-foot long, 0.010-inch slotted well screen. A sand filter pack consisting of quartz sand was poured into the annular space of the well, extending from the base of the well to approximately two (2) feet above the top of the well screen. A bentonite seal was placed above the sand pack to a level of approximately 2 feet below the ground surface. Each well was capped with an expandable plug and completed with a concrete base and flush mount protective cover.

The monitoring well installation activities were conducted by Boart Longyear utilizing a roto-sonic rig. A Hull hydrogeologist observed all coring/drilling, sampling and well installation procedures, described the soil types and groundwater conditions, and observed decontamination activities. After installation, the wells were developed by Boart Longyear.

The monitoring wells were sampled between May 31 and June 1, 2011 using low-flow sampling techniques. Prior to sampling, each of the wells was purged using a low-flow electric, stainless steel, submersible pump equipped with a flow-through cell. With the exception of MW-4, purging rates were set to less than 200 milliliters per minute (mL/min). At MW-4, the pump did not operate below a purge rate of 350 mL/min. Readings were taken approximately every three (3) to five (5) minutes to check for stabilization of pH, temperature and conductivity. Groundwater samples were collected once these parameters stabilized. If the turbidity was greater than 5 Nephelometric Turbidity Units (NTUs), the samples collected for metals analysis were filtered in the field using a 5-micron filter, per Ohio EPA's Technical Guidance for groundwater sampling. Groundwater sampling field data sheets are included in Attachment C.

Samples were submitted for chemical analysis to ALS in Cincinnati, Ohio. Samples were analyzed for VOCs in accordance with U.S. EPA Method 8260, PAHs in accordance with U.S. EPA Method 8270C, PCBs in accordance with U.S. EPA Method 8081, and VAP Metals in accordance with U.S. EPA Method 6010/7471 series. A duplicate sample and trip blank were also submitted for quality assurance and quality control purposes. A copy of laboratory reports and chain-of-custody documentation is included in Attachment B.

Equipment was decontaminated with potable water and a non-phosphate detergent prior to use and between each monitoring well location to minimize the potential for cross contamination. All development, decontamination and purge water was contained in DOT-approved 55-gallon drums and staged on-Property pending characterization and disposal.

Disposal of Investigation-Derived Materials

Soil cuttings and waters generated during drilling, decontamination activities, monitoring well development and monitoring well sampling were stored on the Property in DOT-approved 55-gallon drums pending proper disposal.

FINDINGS

The purpose of the Phase II data gap activities was to evaluate the RECs/IAs documented in the Phase I. These Phase II activities do not constitute a complete Phase II as required by Ohio's VAP if the Client wishes to pursue a No Further Action for the Property. However, these Phase II activities do provide sufficient information for due diligence purposes.

SOIL

Hull & Associates 2011 Investigation

A summary of the analytical results for VOCs, PAHs, PCBs, metals and TPH is located on Tables 2 through 6, respectively.

VOCs

As shown on Table 2, there were seven VOCs detected in soil, including 1,2,4-trimethylbenzene, 2-butanone, 4-methyl-2-pentanone, acetone, carbon disulfide, *cis*-1,2-dichloroethene and *m,p*-xylenes. In general, VOCs were detected infrequently and

concentrations were relatively low. Acetone was the most frequently detected VOC (57%), however, the sporadic detections of other VOCs at much lower frequencies indicate that the acetone detections may be artifacts from the laboratory analysis.

PAHs
There were low concentrations of PAHs (i.e., benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, phenanthrene and/or pyrene) detected in three of the 59 samples submitted for PAH analysis, as summarized on Table 3.

PCBs
There was a single detection of a PCB in soil (Aroclor 1260 congener), as shown on Table 4.

Metals
As summarized on Table 5, there were 10 inorganic COCs detected in soil, including aluminum, arsenic, barium, beryllium, chromium, cobalt, lead, nickel, vanadium and zinc. None of the detections of inorganic constituents are indicative of a significant release and each is below VAP standards for soil direct contact for commercial/industrial land use and construction/excavation activities.

TPH
There were several areas in which TPH, primarily the C20-C34 carbon range which is equivalent to heavyweight diesel range organics (DRO), was detected in soil. However, these concentrations were each below their respective fraction-specific soil saturation concentration. The analytical results for the TPH samples are shown on Table 6.

The results of this preliminary assessment indicate that none of the soil samples collected exceeded Ohio EPA VAP commercial/industrial and construction worker single-chemical direct contact standards. In addition, analytical results for TPH were compared to the Ohio EPA VAP residual soil saturation concentration for the lightweight, middleweight and heavyweight carbon fraction in sand and gravel soil, respectively. The results of this preliminary assessment indicate that none of the soil samples collected exceed Ohio EPA VAP standards including those standards for commercial/industrial land use, construction/excavation activities and residual soil saturation concentrations.

Haley & Aldrich 2006 Investigation
Hull reviewed the soil data collected in 2006 by Haley and Aldrich and compared the results to the Ohio VAP single-chemical direct contact soil standards for commercial/industrial land use and construction/excavation activities. There were no exceedences of single-chemical direct contact soil standards for commercial/industrial land use or construction/excavation activities.

The results of this preliminary assessment indicate that none of the soil samples collected exceeded Ohio EPA VAP commercial/industrial and construction worker single-chemical direct contact standards.

There were two samples with relatively elevated reporting limits. The sample collected from AOI-05 from the 15 – 16 ft depth interval had a limit approximately 100 times greater than the other samples for SVOCs. No VOCs were analyzed in this sample. Also, two samples have elevated reporting limits for PCBs, including the sample from AOI-17 at a depth of 0-2 ft (190 mg/kg, which is above the standard for commercial/industrial land use) and AOI-20 8- 10 ft (17 mg/kg). Hull evaluated this AOC with SB-12 and the soil samples analyzed for TPH did not exhibit elevated TPH concentrations nor did any samples exhibit visual staining or elevated PID readings. Although the reason for the elevated PCB detection limit is not stated in the Haley & Aldrich report, nearby Haley & Aldrich soil samples had typical detection limits and PCBs were not detected. Based upon the review of Haley & Aldrich's data and Hull's data, the elevated PCB detection limit does not appear to be a concern.

GROUNDWATER

Analytical Results

There were no COCs detected in groundwater at concentrations above generic unrestricted potable use standards. Groundwater analytical results are summarized on Table 7.

VOCs
There was a single VOC (i.e. 4-methyl-2-pentanone) in a single sample (i.e., MW-1) at the Property. The concentration of 6.5 ug/L is significantly below its UPUS of 1,200 ug/L.

PAHs
PAHs were positively detected in two groundwater samples. The samples collected from MW-1 and MW-8 contained acenaphthene, anthracene, dibenzofuran, fluorene, 1-methylnaphthalene and naphthalene. The sample collected from MW-8 also contained carbazole and 2-methylnaphthalene. Each of the concentrations is below its respective UPUS.

PCBs
No PCBs were detected in groundwater.

Metals
Only two inorganic COCs (aluminum and barium) were detected in groundwater. Aluminum does not have an UPUS promulgated by the VAP; however, the detected concentrations do exceed the secondary Maximum Contaminant Level (MCL) of 50 ug/L to 200 ug/L set under the Safe Drinking Water Act. It is important to note that the noticeable effect of concentration of aluminum above the secondary MCL is coloration of the water and that the secondary MCL is neither related to a human health endpoint nor an enforceable value. Barium concentrations detected in groundwater are well below its UPUS of 2,000 ug/L, with a maximum detected concentration of 590 ug/L.

HYDROGEOLOGY

The subsurface geology encountered during this investigation is consistent with previous investigation conducted on the Property. A surficial layer of fill and/or silty clay, typically less than 5 feet in thickness, overlies extensive sand and gravel deposits associated with the Great

with sound engineering practices and with professional judgment. No other warranty or guarantee, expressed or implied, is made. This report does not attempt to evaluate past or present compliance with federal, state and local environmental or land use laws and regulations, except to the extent the compliance relates to releases of hazardous substances or petroleum. Hull makes no guarantees regarding the completeness or accuracy of any information obtained in review of public or private files.

Furthermore, this report is prepared for, and made available for the use of Dayton Real Estate Ventures, Inc. and the contents thereof may not be used or relied upon by any other person without the express written consent and authorization of Dayton Real Estate Ventures, Inc. and Hull.

Please contact the undersigned at (614) 793-8777 with any questions or comments.

Sincerely,

David B. Mustafaga, PG, CPG.
Senior Project Manager

Raymond L. Kennedy
Senior Project Manager

attachments

Miami buried aquifer. Thin lenses of silty clay (typically less than 0.5 feet) were observed interbedded within the sand and gravel deposits in some of the deeper soil borings. The sand and gravel deposits extend to a depth of at least 47 feet below ground surface; the maximum depth completed during this investigation.

On May 31, 2011, static water levels were measured in each monitoring well with an interface probe after allowing the water level to equilibrate. Light and dense non-aqueous phase liquids were not detected in any of the wells. The groundwater elevation data are listed in Table 8. The potentiometric surface is illustrated on Figure 3 and shows groundwater flow is to the southeast (toward the City of Dayton's well field) with a hydraulic gradient of approximately 0.00077.

CONCLUSIONS

Soils

Based on Hull's review of historical data collected by Haley & Aldrich in 2006 and data collected during this assessment, none of the data collected at the Property to date exceeds Ohio VAP generic commercial/industrial or construction/excavation single-chemical direct contact standards. TPH concentrations detected in soil are also below residual soil saturation concentrations for sand and gravel soils.

Groundwater

There were no COCs detected in groundwater in exceedence of UPUS.

ADDITIONAL ASSESSMENT AND REMEDIAL ACTIVITIES

Based on this information and associated assumptions, further assessment or remediation is not necessary to address these RECs/IAs. Should the Property proceed through the Ohio VAP additional assessment and reporting will be necessary to meet VAP requirements.

Should future plans for the Property include removal of the existing slab and pavement, unknown areas of impact may be identified that will require additional assessment and possibly remediation. In addition, residual water observed within former pits, sumps, and tunnels at the Property will require management including characterization for the evaluation of options for disposition.

In addition, in order to achieve compliance with applicable standards in the event that the Property proceeds through the VAP, additional assessment activities related to exposure to multiple COCs or exposure pathways not accounted for in the generic numerical standards (e.g., vapor migration from soil to indoor air, leaching from soil to groundwater) will most likely be required.

REPORT LIMITATIONS AND RELIANCE

The information presented herein is based on the level of effort and investigative techniques defined under the Scope of Work. Hull has conducted this investigation in a manner consistent

TABLES

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE REDEVELOPMENT PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 1

SUMMARY OF IDENTIFIED AREAS/RECs/HRECs

Identified Area/REC	Haley & Aldrich Area of Interest	AOI Description	Summary of Materials Managed	Chemicals of Concern
Plant 4				
NA	1	Washer and phosphating	Sodium Hydroxide Iron Phosphate	
1	2	Paint tanks and Sump	Paint (VOCs) Acids Acids	
		Auto-phoritic painter and sump	Dichromate Hydrochloric acid Phosphoric acid Caustics metals	VOCs, PAHs, VAP metals and PCBs
2	3	Former zinc platers (3)	Zinc Dichromate Cyanide Hydrochloric acid Phosphoric acid	cyanide and VAP metals
		Cyanide spill area	Cyanide Zinc	
3	4	Press sump (north), Acid/alkali waste water piping	Acids Caustics Lubricants Coolants	VOCs, SVOCs, VAP metals, PCBs, and TPH-DRO and TPH-GRO
		Drum steam clean bay	Oily Waste - Various/Unknown	
		Trash compactor sump	Hydraulic Fluid - Oily Waste	
4	5	Press sump (south)	Machine lubricants and coolants Chromium Zinc Hydrochloric acid Caustic	VOCs, SVOCs, VAP metals, PCBs, TPH-GRO and TPH-DRO
NA	6	Acid wash sump	Hydrochloric acid Zinc Chromium	
5, HREC not REC		Fill station - 2 UST's; not a REC, HREC	Gasoline and diesel fuels Former location of gasoline and lube/cutting oil tanks	BTEX, MTBE, PAHs, TPH-GRO and TPH-DRO
NA	7	Maintenance paint booth	Paint (VOCs)	
6	8	Powerhouse	PCBs Oily waste	VOCs, PAHs, PCBs and TPH-DRO
PLANT 5				
7	9	Steam clean bay	Acids Caustics Metals	VOCs, SVOCs, VAP metals and PCBs
8	10	Former acid/alkali sump of former chrome plater	Chromium Nickel Acids and caustic	VAP metals
	11	Former south chrome plater	Chromic acid Sulfuric acid Fluoride	
	12	Former north chrome plater	Nickel Chromic acid Hydochloric acid Sulfuric acid Metals	
	13	Dept 549, columns Q12 - Q14 and T12 - T14	Secure/Liquid Ferro Clean (pH-9-10)	
9	14	Cast iron machining filtering system acid/alkali sump	Hydrochloric acid Sodium hydroxide Polarsol 458 Phosphate Rust inhibitor Phosphoric acid Secure seal 8000	VOCs, PAHs, TPH-DRO
10	15	SE Chip shed	Oily waste Tremsol	VOCs, PAHs, VAP metals, TPH-DRO
NA	16	Dye wash area	Hydrochloric acid Corrosives	

SB-1 Just metals ~~pro PCB~~ ~~at~~ former cr painter ~~lb~~ leak

NO samples?

parts: evidence of release

SB-27, 89, N

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE REDEVELOPMENT PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 1

SUMMARY OF IDENTIFIED AREAS/RECs/HRECs

Identified Area/REC	Haley & Aldrich Area of Interest	AOI Description	Summary of Materials Managed	Chemicals of Concern
PLANT 6				
11	17	DI water trench and sump	Sodium Hydroxide Hydochloric acid Oily waste	VOCs, SVOCs, VAP metals, PCBs and TPH-GRO and TPH-DRO
		Chip handling equipment and hydomation system filters	Muriatic Acid Caustics Sodium Hydroxide Tremsol Polarsol 416	
		Anodizer (north)	Hydrochloric acid Nitric Acid Sodium Hydroxide Sulfuric acid Nickel Acetate	
	18	Anodizer (south)	Hydrochloric Acid Nitric Acid Sodium Hydroxide Sulfuric Acid Nickel Acetate	
	19	Plant 6 oily waste sump and lift station	Oily Waste	
	20	Master cylinder machining	Tremsol Polar 416	
PLANT 7				
7	21	Steam clean bay	metals Acids Caustic	VOCs, SVOCs, VAP metals and PCBs
12	22	ABS machining	Tremsol Oily waste	VOCs, PAHs, TPH-DRO
13	23	Abbey plater	Chromium Hydrochloric acid Sodium Hydroxide	VAP metals
10	24	Plant 7 Chip Shed	Machine lubricants and coolants General oily waste Tremsol	VOCs, PAHs, VAP metals, TPH-DRO
OTHER AREAS				
14	25	NW drainage swale, Former ASTs	Fuel oil	VOCs, PAH, TPH-DRO
15	26	Treatment building - exterior fill station drain and containment area	Sulfuric acid Lime Aluminum Oily waste	VOCs, SVOCs, VAP metals, PCBs, TPH-GRO, TPH-DRO and cyanide
		Treatment building sumps	Sulfuric acid, Lime, Aluminum, Oily waste, Chromium, Lead, Zinc, Nickel, Tin, Cadmium, Cyanide, Chlorinated, Paraffin	
	27	WWTP lines tunnel	Nickel bearing waste water	
16	28	Railcar chip collection area	Machine lubricants and coolants Oily waste	VOCs, PAH, TPH-DRO
17	29	20,000 gallon oily waste sump	SB-9	VOCs, PAHs, TPH-DRO
10	30	Former chip shed sump and swale area	Machine lubricants and coolants General oily waste	VOCs, PAHs, VAP metals, TPH-DRO
18	31	Hazardous waste storage area	Synasol, Nickel Acetate, Mineral Spirits, Chrome Sludge, Paint Sludge, Electroplating Sludge, Cyanide Sludge, Mercury Capillary Tubes, Lead Sludge, Cadmium Sludge, Tin Sludge, Used oils	VOCs, SVOCs, VAP metals, PCBs, TPH-GRO, TPH-DRO and cyanide
19	32	Used oil storage area	Used oils Previously used as holding are for new chemicals coming onto site	VOCs, PAHs, TPH-DRO
20	33	30,000 gallons USTs (2)	Fuel oil	VOCs, PAHs, TPH-DRO
21, HREC not REC	34	8,000 gallon UST (1)	Lubricating/cutting oil	VOCs, PAHs, TPH-DRO

prior elevated PCB all

SB 10, 11, 12 mw-4

SB17-06 SB20-07

Hull says SB-12 had no elevated TPH

Adjacent Haley + no paid no PCBs

No Samples?

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE REDEVELOPMENT PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 1

SUMMARY OF IDENTIFIED AREAS/RECs/HRECs

Identified Area/REC	Haley & Aldrich Area of Interest	AOI Description	Summary of Materials Managed	Chemicals of Concern
NA	NA	substation		
22	NA	bare, distressed vegetation south of ditch and south of WWTP		VOCs, SVOCs, VAP metals, PCBs, TPH-GRO and TPH-DRO
23	NA	NE corner of property, metal anomaly identified by GPR, potential UST		Test pits completed in area of anomoly - No UST found.
24				adjacent CSX Transportation facility
25	Sitewide Groundwater			VOCs, PAHs, VAP metals, PCBs

Footnotes
1. Observations from April 5, 2011 site walkover
2. All references to field analytical results in Hull's comment/observations column are from the Haley & Aldrich January 2007 Field Investigation Report.

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-1

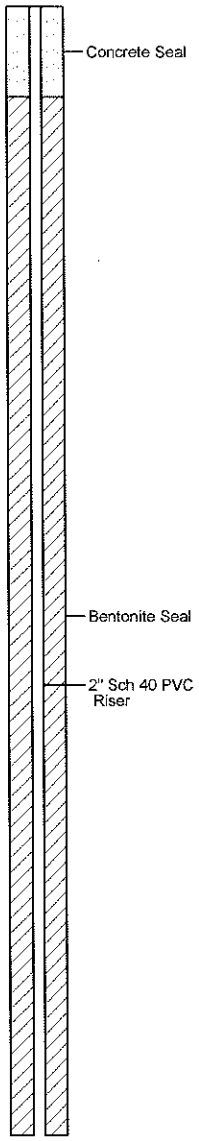
G. Elev. (ft. USGS)	: 771.16
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	DESCRIPTION
0					0.0 to 0.5 - CONCRETE
1	7.0 / 7.0	CS-1 / SS-1 0.5 - 2.7	NA	2.4	0.5 to 2.7 - Brown, stiff sandy gravelly CLAY, slightly moist.
2		CS-1 / SS-2 2.0 - 4.0	NA	1.6	
3					2.7 to 6.0 - Brown loose medium grained SAND & GRAVEL, trace silt & clay and large gravels, dry.
4		CS-1 / SS-3 4.0 - 6.0	NA	3.5	
5					
6		CS-1 / SS-4 6.0 - 7.0	NA	2.1	6.0 to 7.0 - Brown, stiff sandy gravelly CLAY, trace large gravels, slightly moist.
7	10.0 / 8.0	CS-2 / SS-5 7.0 - 8.0	NA	0.2	7.0 to 8.0 - Same As Above (SAA).
8		CS-2 / SS-6 8.0 - 10.0	NA	1.0	8.0 to 17.0 - Brown, loose medium grained SAND & GRAVEL, few large gravels, trace silt and clay, dry.
9					
10		CS-2 / SS-7 10.0 - 12.0	NA	0.3	
11					
12		CS-2 / SS-8 12.0 - 14.0	NA	0.2	
13					
14		CS-2 / SS-9 14.0 - 16.0	NA	0.1	
15					
16		CS-2 / SS-10 16.0 - 17.0	NA	0.2	
17	10.0 / 9.8	CS-3 / SS-11 17.0 - 18.0	NA	0.3	17.0 to 21.6 - SAA.
18		CS-3 / SS-12 18.0 - 20.0	NA	0.2	
19					
20		CS-3 / SS-13 20.0 - 22.0	NA	0.4	
21					
22		CS-3 / SS-14 22.0 - 24.0	NA	0.0	21.6 to 22.7 - Brown, loose fine grained SAND, very moist to wet.
23					22.7 to 22.9 - Brown, stiff silty CLAY, few sand & gravel, moist.
24		CS-3 / SS-15 24.0 - 26.0	NA	0.4	22.9 to 26.8 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, few large gravels, dry.
25					

Well: MW-1
Elev.: 770.89



Samples submitted for analysis:
PNG003:MW-1:S005027
PNG003:MW-1:S040060
PNG003:MW-1:S280300
PNG003:MW-1:S340356

ATTACHMENT A

Soil Borings and Monitoring Well Logs

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-1

G. Elev. (ft. USGS)	: 771.16
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-1
Elev.: 770.89

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	Sample	GRAPHIC	DESCRIPTION
26		CS-3 / SS-16 26.0 - 26.8	NA	0.1			
27	10.0 / 8.6	CS-4 / SS-17 27.0 - 28.0	NA	0.2			27.0 to 35.6 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, wet at 30', staining 34-35.6'.
28		CS-4 / SS-18 28.0 - 30.0	NA	1.2			
30		CS-4 / SS-19 30.0 - 32.0	NA	0.3			
32		CS-4 / SS-20 32.0 - 34.0	NA	0.4			
34		CS-4 / SS-21 34.0 - 35.6	NA	0.1			
37	10.0 / 6.5	CS-5 / SS-22 37.0 - 38.0	NA	0.1			37.0 to 43.5 - SAA.
38		CS-5 / SS-23 38.0 - 40.0	NA	0.0			
40		CS-5 / SS-24 40.0 - 42.0	NA	0.2			
42		CS-5 / SS-25 42.0 - 44.0	NA	0.2			
44		CS-5 / SS-26 44.0 - 47.0	NA	0.3			

below water

?

check BL

2" Sch 40 PVC Riser

2" Sch 40 0.010-inch slotted PVC screen

Sand Filter Pack

End of boring at 47 feet.

Samples submitted for analysis:
PNG003:MW-1:S005027
PNG003:MW-1:S040060
PNG003:MW-1:S280300
PNG003:MW-1:S340356

03-21-2012 F:\Clients\PNG\PNG003\Boring Logs\MW-1.bor

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/26/2011
Date Completed	: 5/26/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 37.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-2

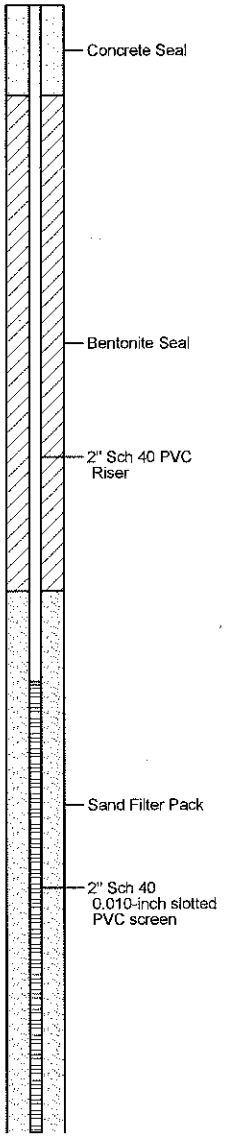
G. Elev. (ft. USGS)	: 766.96
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-2
Elev.: 766.68

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	Sample	GRAPHIC	DESCRIPTION
0							0.0 to 0.5 - CONCRETE
1	7.0 / 7.0	CS-1 / SS-1 0.5 - 2.0	NA	0.2			0.5 to 2.6 - Brown, medium stiff silty clayey SAND & GRAVEL, moist.
2		CS-1 / SS-2 2.0 - 4.0	NA	0.2			
3							2.6 to 7.0 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, large gravels, dry.
4		CS-1 / SS-3 4.0 - 6.0	NA	0.1			
5							
6		CS-1 / SS-4 6.0 - 7.0	NA	0.2			
7	10.0 / 10.0	CS-2 / SS-5 7.0 - 8.0	NA	0.3			7.0 to 7.8 - Same As Above (SAA).
8		CS-2 / SS-6 8.0 - 10.0	NA	0.2			7.8 to 15.8 - Gray, medium stiff silty CLAY, few sand & gravel (TILL), slightly moist.
9							
10		CS-2 / SS-7 10.0 - 12.0	NA	0.3			
11							
12		CS-2 / SS-8 12.0 - 14.0	NA	0.1			
13							
14		CS-2 / SS-9 14.0 - 16.0	NA	0.1			
15							
16		CS-2 / SS-10 16.0 - 17.0	NA	0.2			15.8 to 17.0 - Gray, loose fine SAND; slightly moist, trace silt and clay; wet.
17	10.0 / 10.0	CS-3 / SS-11 17.0 - 18.0	NA	0.3			17.0 to 17.8 - Brown, stiff silty CLAY, few sand & gravel (TILL), very moist.
18		CS-3 / SS-12 18.0 - 20.0	NA	0.3			17.8 to 27.0 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, few large gravels, wet at 18'.
19							
20		CS-3 / SS-13 20.0 - 22.0	NA	0.2			
21							
22		CS-3 / SS-14 22.0 - 24.0	NA	0.2			
23							
24		CS-3 / SS-15 24.0 - 26.0	NA	0.1			
25							



Samples submitted for analysis:
PNG003:MW-2:S170180

03-21-2012 F:\Clients\PNG\PNG003\Boring Logs\MW-2.bor

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/26/2011
Date Completed	: 5/26/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 37.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-2

G. Elev. (ft. USGS)	: 766.96
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

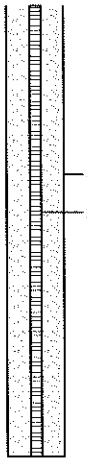
Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	Sample	GRAPHIC	DESCRIPTION
25							
26		CS-3 / SS-16 26.0 - 27.0	NA	0.0			
27	10.0 / 10.0	CS-4 / SS-17 27.0 - 28.0	NA	0.0			27.0 to 37.0 - SAA.
28		CS-4 / SS-18 28.0 - 30.0	NA	0.1			
29							
30		CS-4 / SS-19 30.0 - 32.0	NA	0.2			
31							
32		CS-4 / SS-19 32.0 - 34.0	NA	0.1			
33							
34		CS-4 / SS-19 34.0 - 36.0	NA	0.1			
35							
36		CS-4 / SS-19 36.0 - 37.0	NA	0.1			
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

End of boring at 37 feet.

Well: MW-2
Elev.: 766.68



May have stopped short of depth of impact (34' @ MW-1)

Samples submitted for analysis:
PNG003:MW-2:S170180

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-3

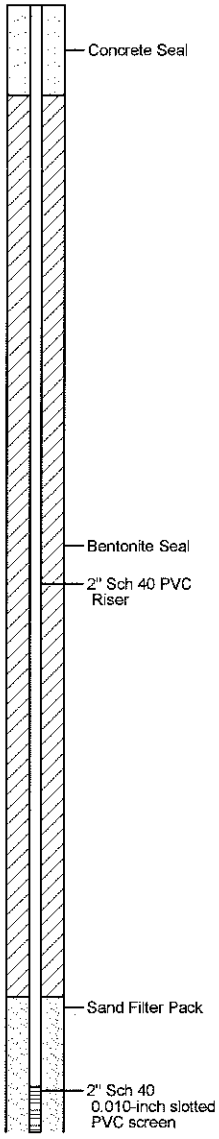
G. Elev. (ft. USGS)	: 771.24
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-3
Elev.: 771.00

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	DESCRIPTION
0					0.0 to 0.5 - CONCRETE
1	7.0 / 6.5	CS-1 / SS-1 0.5 - 2.0	NA	0.3	0.5 to 1.5 - Brown, medium stiff sandy gravelly CLAY, slightly moist.
2		CS-1 / SS-2 2.0 - 4.0	NA	0.4	1.5 to 5.5 - Brown loose medium grained SAND & GRAVEL, trace silt & clay, few large gravels, slightly moist.
3					
4		CS-1 / SS-3 4.0 - 6.5	NA	0.3	
5					
6					5.5 to 6.5 - Brown, loose medium grained SAND, trace silt and clay, slightly moist.
7	10.0 / 8.0	CS-2 / SS-4 7.0 - 8.0	NA	0.1	7.0 to 11.5 - Brown, loose medium grained SAND & GRAVEL, few large gravels, trace silt and clay, dry.
8		CS-2 / SS-5 8.0 - 10.0	NA	1.2	
9					
10		CS-2 / SS-6 10.0 - 12.0	NA	0.3	
11					
12		CS-2 / SS-7 12.0 - 14.0	NA	0.1	11.5 to 12.7 - Brown, loose medium grained SAND, few gravels, trace silt and clay, dry.
13					12.7 to 15.0 - Brown, loose medium grained SAND & GRAVEL, few large gravel, trace silt and clay, dry.
14		CS-2 / SS-8 14.0 - 15.0	NA	0.3	
15					
16					
17	10.0 / 9.2	CS-3 / SS-9 17.0 - 19.0	NA	0.2	17.0 to 17.2 - Same As Above (SAA).
18					17.2 to 19.8 - Medium brown, stiff clayey SAND & GRAVEL, large gravels, slightly moist.
19		CS-3 / SS-10 19.0 - 21.0	NA	0.3	
20					19.8 to 26.2 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, dry.
21		CS-3 / SS-11 21.0 - 22.0	NA	0.2	
22		CS-3 / SS-12 22.0 - 24.0	NA	0.1	
23					
24		CS-3 / SS-13 24.0 - 26.2	NA	0.3	
25					



Samples submitted for analysis:
PNG003:MW-3:S005020
PNG003:MW-3:S080100
PNG003:MW-3:S250262

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-3

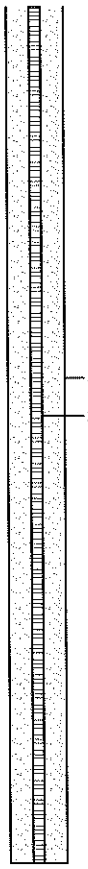
G. Elev. (ft. USGS)	: 771.24
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	Sample	GRAPHIC	DESCRIPTION
25							
26							
27	10.0 / 10.0	CS-4 / SS-14 27.0 - 28.0	NA	0.1			27.0 to 37.0 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, appears wet at 27'.
28		CS-4 / SS-15 28.0 - 30.0	NA	0.3			
29							
30		CS-4 / SS-16 30.0 - 32.0	NA	0.4			
31							
32		CS-4 / SS-17 32.0 - 34.0	NA	0.2			
33							
34		CS-4 / SS-18 34.0 - 36.0	NA	0.2			
35							
36		CS-4 / SS-19 36.0 - 37.0	NA	0.1			
37	10.0 / 10.0	CS-5 / SS-20 37.0 - 39.0	NA	0.1			37.0 to 47.0 - SAA.
38							
39		CS-5 / SS-21 39.0 - 40.0	NA	0.2			
40		CS-5 / SS-22 40.0 - 42.0	NA	0.1			
41							
42		CS-5 / SS-23 42.0 - 44.0	NA	0.2			
43							
44		CS-5 / SS-24 44.0 - 47.0	NA	0.1			
45							
46							
47							End of boring at 47 feet.
48							
49							
50							

Well: MW-3
Elev.: 771.00



Samples submitted for analysis:
PNG003:MW-3:S005020
PNG003:MW-3:S080100
PNG003:MW-3:S250262

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-4

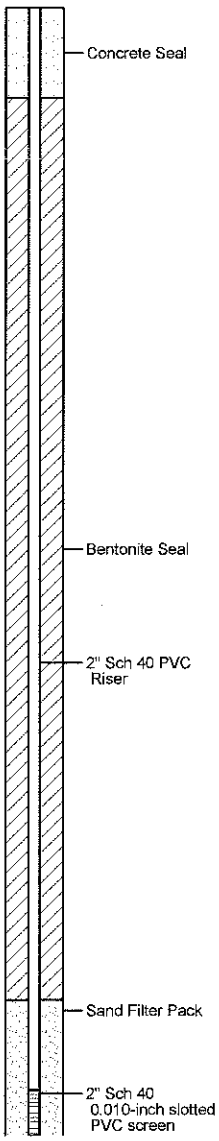
G. Elev. (ft. USGS)	: 771.15
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-4
Elev.: 770.89

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	DESCRIPTION
0					0.0 to 0.5 - CONCRETE
1	7.0 / 5.3	CS-1 / SS-1 0.5 - 2.0	NA	0.3	0.5 to 5.3 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, few large gravels, dry.
2		CS-1 / SS-2 2.0 - 4.0	NA	0.1	
3					
4		CS-1 / SS-3 4.0 - 5.3	NA	2.0	
5					
6					
7	10.0 / 5.7	CS-2 / SS-4 7.0 - 8.0	NA	0.3	7.0 to 12.7 - Same As Above (SAA).
8		CS-2 / SS-5 8.0 - 10.0	NA	0.1	
9					
10		CS-2 / SS-6 10.0 - 12.0	NA	0.0	
11					
12		CS-2 / SS-7 12.0 - 12.7	NA	0.0	
13					
14					
15					
16					
17	10.0 / 6.3	CS-3 / SS-8 17.0 - 18.0	NA	0.1	17.0 to 23.3 - SAA, dry.
18		CS-3 / SS-9 18.0 - 20.0	NA	0.3	
19					
20		CS-3 / SS-10 20.0 - 22.0	NA	0.2	
21					
22		CS-3 / SS-11 22.0 - 23.3	NA	0.1	
23					
24					
25					



Samples submitted for analysis:
PNG003:MW-4:S005020
PNG003:MW-4:S040053
PNG003:MW-4:S220233

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-4

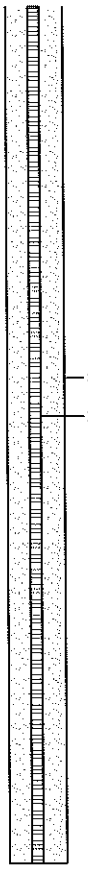
G. Elev. (ft. USGS)	: 771.15
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	Sample	GRAPHIC	DESCRIPTION
25							
26							
27	10.0 / 10.0	CS-4 / SS-12 27.0 - 28.0	NA	0.1			27.0 to 37.0 - SAA, wet at 27'.
28		CS-4 / SS-13 28.0 - 30.0	NA	0.0			
29							
30		CS-4 / SS-14 30.0 - 32.0	NA	0.2			
31							
32		CS-4 / SS-15 32.0 - 34.0	NA	0.2			
33							
34		CS-4 / SS-16 34.0 - 36.0	NA	0.1			
35							
36		CS-4 / SS-17 36.0 - 37.0	NA	0.0			
37	10.0 / 8.5	CS-5 / SS-18 37.0 - 39.0	NA	0.0			37.0 to 45.5 - SAA, wet.
38							
39		CS-5 / SS-19 39.0 - 41.0	NA	0.1			
40							
41		CS-5 / SS-20 41.0 - 43.0	NA	0.0			
42							
43		CS-5 / SS-21 43.0 - 45.0	NA	0.0			
44							
45		CS-5 / SS-22 45.0 - 47.0	NA	0.0			
46							
47							End of boring at 47 feet.
48							
49							
50							

Well: MW-4
Elev.: 770.89



Samples submitted for analysis:
PNG003:MW-4:S005020
PNG003:MW-4:S040053
PNG003:MW-4:S220233

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 37.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-5

(Page 1 of 2)

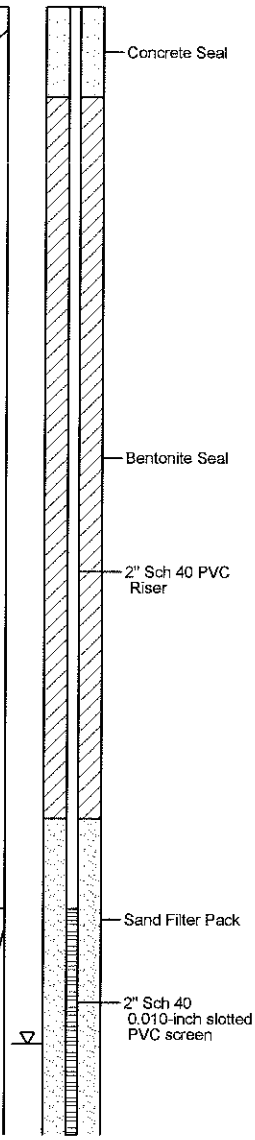
G. Elev. (ft. USGS)	: 767.09
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-5
Elev.: 767.28

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	DESCRIPTION
0					0.0 to 0.5 - CONCRETE
1	7.0 / 5.6	CS-1 / SS-1 0.5 - 2.0	NA	0.1	0.5 to 5.6 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, few large gravels, dry.
2		CS-1 / SS-2 2.0 - 4.0	NA	0.2	
3					
4		CS-1 / SS-3 4.0 - 5.6	NA	0.1	
5					
6					
7	10.0 / 7.5	CS-2 / SS-4 7.0 - 8.0	NA	0.2	7.0 to 14.5 - Same As Above (SAA).
8		CS-2 / SS-5 8.0 - 10.0	NA	0.5	
9					
10		CS-2 / SS-6 10.0 - 12.0	NA	0.3	
11					
12		CS-2 / SS-7 12.0 - 14.0	NA	0.5	
13					
14		CS-2 / SS-8 14.0 - 14.5	NA	0.1	
15					
16					
17	10.0 / 7.9	CS-3 / SS-9 17.0 - 18.0	NA	0.2	17.0 to 20.0 - SAA.
18		CS-3 / SS-10 18.0 - 20.0	NA	0.1	
19					
20		CS-3 / SS-11 20.0 - 22.0	NA	0.1	20.0 to 20.4 - Brown, stiff sandy gravelly CLAY, moist.
21					20.4 to 24.9 - Brown, medium grained SAND & GRAVEL, trace silt and clay, few large gravels, wet at 23'.
22		CS-3 / SS-12 22.0 - 24.0	NA	0.2	
23					
24		CS-3 / SS-13 24.0 - 24.9	NA	0.1	
25					



Samples submitted for analysis:
PNG003:MW-5:S005020
PNG003:MW-5:S080100
PNG003:MW-5:S220230

03-21-2012 F:\Clients\PNG\PNG003\Boring Logs\MW-5.bor

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 37.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-5

G. Elev. (ft. USGS)	: 767.09
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

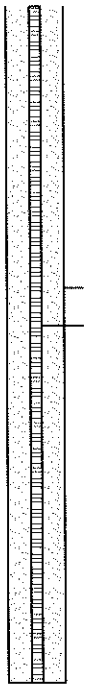
Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	Sample	GRAPHIC	DESCRIPTION
27	10.0 / 9.1	CS-4 / SS-14 27.0 - 29.0	NA	0.1			
29		CS-4 / SS-15 29.0 - 30.0	NA	0.0			
30		CS-4 / SS-16 30.0 - 32.0	NA	0.2			
32		CS-4 / SS-17 32.0 - 34.0	NA	0.1			
34		CS-4 / SS-18 34.0 - 36.0	NA	0.1			
36		CS-4 / SS-19 36.0 - 37.0	NA	0.0			

End of boring at 37 feet.
NOTE: Boring advanced to 40 ft. and well set.

Well: MW-5
Elev.: 767.28



Samples submitted for analysis:
PNG003:MW-5:S005020
PNG003:MW-5:S080100
PNG003:MW-5:S220230

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/26/2011
Date Completed	: 5/26/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-6

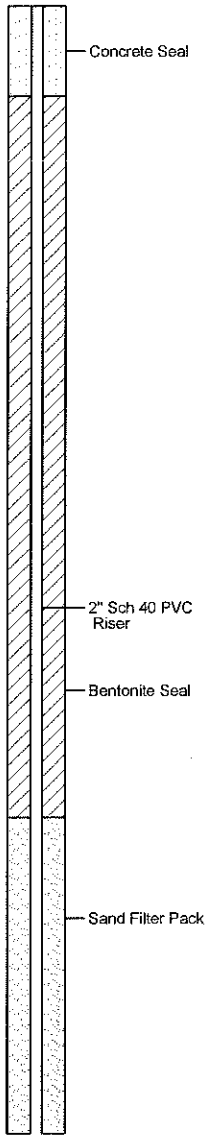
G. Elev. (ft. USGS)	: 771.42
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-6
Elev.: 771.15

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	Sample	GRAPHIC	DESCRIPTION
0	7.0 / 7.0	CS-1 / SS-1 0.0 - 2.0	NA	0.2			0.0 to 2.4 - Brown, medium stiff sandy gravelly CLAY, slightly moist.
2		CS-1 / SS-2 2.0 - 4.0	NA	0.1			2.4 to 7.0 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, few large gravels, dry.
4		CS-1 / SS-3 4.0 - 6.0	NA	0.2			
6		CS-1 / SS-4 6.0 - 7.0	NA	0.0			
7	10.0 / 10.0	CS-2 / SS-5 7.0 - 8.0	NA	0.0			7.0 to 17.0 - Same As Above (SAA).
8		CS-2 / SS-6 8.0 - 10.0	NA	0.1			
10		CS-2 / SS-7 10.0 - 12.0	NA	0.2			
12		CS-2 / SS-8 12.0 - 14.0	NA	0.1			
14		CS-2 / SS-9 14.0 - 16.0	NA	0.3			
16		CS-2 / SS-10 16.0 - 17.0	NA	0.2			
17	10.0 / 10.0	CS-3 / SS-11 17.0 - 19.0	NA	0.1			17.0 to 24.5 - SAA.
19		CS-3 / SS-12 19.0 - 21.0	NA	0.2			
21		CS-3 / SS-13 21.0 - 23.0	NA	0.3			
23		CS-3 / SS-14 23.0 - 25.0	NA	0.2			
25							24.5 to 24.8 - Gray, stiff sandy gravelly SILTY CLAY (TILL), slightly moist.



Samples submitted for analysis:
PNG003:MW-6:S000020
PNG003:MW-6:S040060
PNG003:MW-6:S280300

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/26/2011
Date Completed	: 5/26/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-6

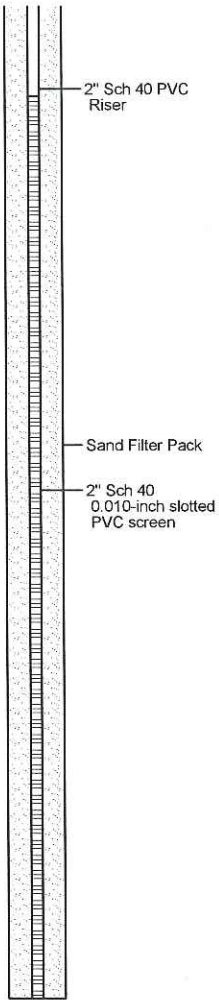
G. Elev. (ft. USGS)	: 771.42
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-6
Elev.: 771.15

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	DESCRIPTION
25		CS-3 / SS-15 25.0 - 27.0	NA	0.0	24.8 to 27.0 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, few large gravel, dry.
26					
27	10.0 / 10.0	CS-4 / SS-16 27.0 - 28.0	NA	0.2	27.0 to 37.0 - SAA, little silt and clay, wet at 30'.
28		CS-4 / SS-17 28.0 - 30.0	NA	0.9	
29					
30		CS-4 / SS-18 30.0 - 32.0	NA	0.3	
31					
32		CS-4 / SS-19 32.0 - 34.0	NA	0.1	
33					
34		CS-4 / SS-20 34.0 - 36.0	NA	0.1	
35					
36		CS-4 / SS-21 36.0 - 37.0	NA	0.2	
37	10.0 / 9.6	CS-5 / SS-22 37.0 - 38.0	NA	0.3	37.0 to 46.6 - SAA, little silt and clay, wet.
38		CS-5 / SS-23 38.0 - 40.0	NA	0.1	
39					
40		CS-5 / SS-24 40.0 - 42.0	NA	0.2	
41					
42		CS-5 / SS-25 42.0 - 44.0	NA	0.0	
43					
44		CS-5 / SS-26 44.0 - 45.0	NA	0.0	
45		CS-5 / SS-27 45.0 - 47.0	NA	0.0	
46					
47					End of boring at 47 feet.
48					
49					
50					



Samples submitted for analysis:
PNG003:MW-6:S000020
PNG003:MW-6:S040060
PNG003:MW-6:S280300

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-7

G. Elev. (ft. USGS)	: 771.07
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-7
Elev.: 770.84

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)
0	7.0 / 5.5	CS-1 / SS-1 0.3 - 2.0	NA	2.1
1				
2		CS-1 / SS-2 2.0 - 4.0	NA	24.0
3				
4		CS-1 / SS-3 4.0 - 6.0	NA	14.3
5				
6				
7	10.0 / 5.7	CS-2 / SS-4 7.0 - 8.0	NA	2.1
8		CS-2 / SS-5 8.0 - 10.0	NA	0.6
9				
10		CS-2 / SS-6 10.0 - 12.0	NA	1.3
11				
12		CS-2 / SS-7 12.0 - 12.7	NA	1.2
13				
14				
15				
16				
17	10.0 / 8.9	CS-3 / SS-8 17.0 - 18.0	NA	0.1
18		CS-3 / SS-9 18.0 - 20.0	NA	1.0
19				
20		CS-3 / SS-10 20.0 - 22.0	NA	0.3
21				
22		CS-3 / SS-11 22.0 - 24.0	NA	0.1
23				
24		CS-3 / SS-12 24.0 - 25.9	NA	0.5
25				

DESCRIPTION

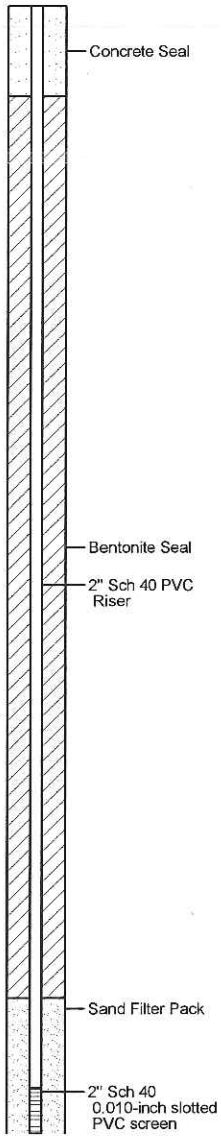
0.0 to 0.3 - ASPHALT

0.3 to 1.1 - Brown, medium stiff clayey SAND & GRAVEL, slightly moist.

1.1 to 5.5 - Brown loose medium grained SAND & GRAVEL, trace silt & clay, few large grained gravels, dry.

7.0 to 12.7 - Same as Above (SAA). Low recovery due to casing failure.

17.0 to 25.9 - SAA.



Samples submitted for analysis:
PNG003:MW-7:S005020
PNG003:MW-7:S020040
PNG003:MW-7:S240259

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-7

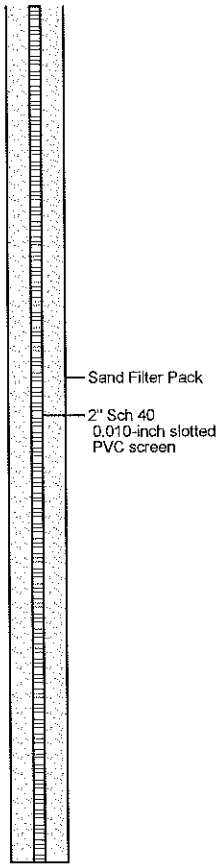
G. Elev. (ft. USGS)	: 771.07
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-7
Elev.: 770.84

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	DESCRIPTION
27	10 / 7.6	CS-4 / SS-13 27.0 - 28.0	NA	0.2	27.0 to 34.6 - SAA, wet at 27', zone of coarse sand and gravel at 29-31.5', little silt and clay.
28		CS-4 / SS-14 28.0 - 30.0	NA	0.3	
30		CS-4 / SS-15 30.0 - 32.0	NA	0.0	
32		CS-4 / SS-16 32.0 - 34.6	NA	0.1	
37	10.0 / 8.9	CS-5 / SS-17 37.0 - 38.0	NA	0.1	37.0 to 45.9 - SAA, wet.
38		CS-5 / SS-18 38.0 - 40.0	NA	0.2	
40		CS-5 / SS-19 40.0 - 42.0	NA	0.1	
42		CS-5 / SS-20 42.0 - 44.0	NA	0.3	
44		CS-5 / SS-21 44.0 - 45.9	NA	0.1	



End of boring at 47 feet. Estimated water usage 200 gals.

Samples submitted for analysis:
PNG003:MW-7:S005020
PNG003:MW-7:S020040
PNG003:MW-7:S240259

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-8

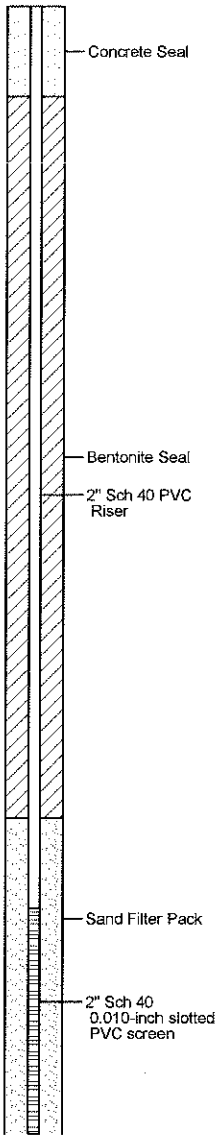
G. Elev. (ft. USGS)	: 766.83
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Well: MW-8
Elev.: 766.50

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	DESCRIPTION
0	7.0 / 6.2	CS-1 / SS-1 0.5 - 2.0	NA	0.2	0.0 to 0.5 - ASPHALT 0.5 to 6.2 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, few large gravels, dry.
2		CS-1 / SS-2 2.0 - 4.0	NA	0.3	
4		CS-1 / SS-3 4.0 - 6.2	NA	0.6	
7	10.0 / 10.0	CS-2 / SS-4 7.0 - 9.0	NA	0.1	7.0 to 17.0 - Same As Above (SAA).
9		CS-2 / SS-5 9.0 - 11.0	NA	0.2	
11		CS-2 / SS-6 11.0 - 13.0	NA	0.3	
13		CS-2 / SS-7 13.0 - 15.0	NA	0.1	
17	10.0 / 8.9	CS-3 / SS-8 17.0 - 18.0	NA	0.3	17.0 to 25.9 - SAA.
18		CS-3 / SS-9 18.0 - 20.0	NA	2.9	
20		CS-3 / SS-10 20.0 - 22.0	NA	0.3	
22		CS-3 / SS-11 22.0 - 24.0	NA	0.1	
24		CS-3 / SS-12 24.0 - 25.9	NA	0.2	



Samples submitted for analysis:
PNG003:MW-8:S040060
PNG003:MW-8:S180200

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: S. Sojda
Reviewed by	: Ray Kennedy
Drilling Contractor	: Boart Longyear
Drilling Method	: Sonic
Sampling Method	: 10 ft. Core Barrel
Total Depth (ft.)	: 47.0
S. Water Level Date	:
S. Water Level (ft.)	:

LOG OF BORING MW-8

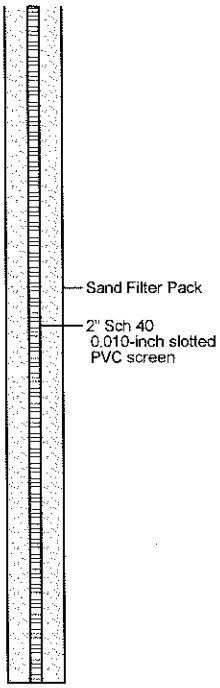
G. Elev. (ft. USGS)	: 766.83
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sample Intervals; Sample Sent to Lab

Water Levels: Static; During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	Blow Count (6"-12"-6")	PID/FID (ppm)	DESCRIPTION
27	10 / 10.0	CS-4 / SS-13 27.0 - 28.0	NA	0.1	27.0 to 37.0 - SAA, wet.
28		CS-4 / SS-14 28.0 - 30.0	NA	0.1	
30		CS-4 / SS-15 30.0 - 32.0	NA	0.0	
32		CS-4 / SS-16 32.0 - 34.0	NA	0.2	
34		CS-4 / SS-17 34.0 - 36.0	NA	0.3	
36		CS-4 / SS-18 36.0 - 37.0	NA	0.1	
37	10.0 / 9.9	CS-5 / SS-19 37.0 - 38.0	NA	0.1	37.0 to 42.5 - SAA.
38		CS-5 / SS-20 38.0 - 40.0	NA	0.2	
40		CS-5 / SS-21 40.0 - 42.0	NA	0.1	
42		CS-5 / SS-22 42.0 - 44.0		0.3	
43					42.5 to 44.0 - Gray, very stiff sandy gravelly SILTY CLAY (TILL), slightly moist.
44		CS-5 / SS-23 44.0 - 45.9		0.1	44.0 to 45.9 - Brown, loose medium grained SAND & GRAVEL, trace silt and clay, few large gravel, wet.
47					End of boring at 47 feet.

Well: MW-8
Elev.: 766.50



Samples submitted for analysis:
PNG003:MW-8:S040060
PNG003:MW-8:S180200

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-1

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.0	GP-1 / SS-1 0.8 - 2.0	0.4				0.0 to 0.8 - CONCRETE
1							0.8 to 2.0 - Brown poorly sorted fine to coarse SAND with gravel, moist.
2		SS-2 2.0 - 4.0	0.2				2.0 TO 4.0 - Same As Above (SAA). 5.0 to 7.0 - SAA. 7.0 to 9.0 - SAA.
3							
4							
5	5.0 / 4.0	GP-2 / SS-3 5.0 - 7.0	3.9				
6							
7		SS-4 7.0 - 9.0	1.5				
8			3.0				
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB1:S000020
PNG003:SB1:S040060

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 20.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-2

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.0	GP-1 / SS-1 0.7 - 2.0	0.0				0.0 to 0.7 - CONCRETE
1							0.7 to 1.7 - Brown loose SAND with gravel, moist.
2		SS-2 2.0 - 4.0	0.0				1.7 to 2.0 - Brown hard CLAY, trace sand and gravel, moist. 2.0 to 4.0 - Same As Above (SAA).
3							
4							
5	5.0 / 2.7	GP-2 / SS-3 5.0 - 7.0	0.4				5.0 to 7.0 - Brown loose, poorly graded fine to coarse SAND with gravel, moist.
6							
7		SS-4 7.0 - 7.7	0.0				7.0 to 7.7 - SAA.
8			0.2				
9							
10	5.0 / 5.0	GP-3 / SS-5 10.0 - 12.0	0.1				10.0 to 12.0 - SAA.
11							
12							

Soil samples sent for analysis:
PNG003:SB2:S000020
PNG003:SB2:S040060
PNG003:SB2:S140160

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 20.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-2

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12		SS-6 12.0 - 14.0	0.8				12.0 to 14.0 - Brown dense poorly graded find to coarse SAND with gravel, moist.
13							
14		SS-7 14.0 - 15.0	1.0				14.0 to 15.0 - Brown loose poorly sorted fine to coarse SAND with gravel, moist.
15	5.0 / 3.5	GP-4 / SS-8 15.0 - 17.0	0.3				15.0 to 17.0 - SAA.
16							
17		SS-9 17.0 - 18.5	0.3				
18							
19							
20							End of boring at 20.0 feet.
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB2:S000020
PNG003:SB2:S040060
PNG003:SB2:S140160

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 20.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-3

(Page 1 of 2)

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.2	GP-1 / SS-1 0.8 - 2.0	0.1				0.0 to 0.8 - CONCRETE
1							0.8 to 2.0 - Brown loose, poorly sorted fine to coarse SAND with fine gravel, moist.
2		SS-2 2.0 - 4.0	0.4				2.0 to 4.0 - Brown to gray loose well sorted fine to medium SAND, trace coarse gravel, moist.
3							
4		SS-3 4.0 - 4.2	0.9				4.0 to 4.2 - Same As Above (SAA).
5	5.0 / 3.2	GP-2 / SS-4 5.0 - 7.0	0.4				
6							5.0 to 7.0 - Brown very stiff CLAY with coarse gray sand, moist.
7		SS-5 7.0 - 8.2	0.7				7.0 to 8.2 - SAA.
8							10.0 to 12.0 - Brown fine to coarse SAND with fine gravel, some clay, moist.
9							
10	5.0 / 5.0	GP-3 / SS-6 10.0 - 12.0	0.5				
11							
12							12.0 to 14.0 - SAA.

Soil samples sent for analysis:
PNG003:SB3:S000020
PNG003:SB3:S040060
PNG003:SB3:S180200

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 20.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-3

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12		SS-7 12.0 - 14.0	0.4				
13							
14		SS-8 14.0 - 15.0	0.0				14.0 to 15.0 - Brown very stiff CLAYw ith medium sand, moist.
15	5.0 / 3.9	GP-4 / SS-9 15.0 - 17.0	0.2				15.0 to 17.0 - SAA.
16							
17		SS-10 17.0 - 18.9	0.7				17.0 to 17.5 - SAA.
18							17.5 to 18.9 - Brown loose fine SAND, moist.
19							
20							End of boring at 20.0 feet.
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB3:S000020
PNG003:SB3:S040060
PNG003:SB3:S180200

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-4

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.5	GP-1 / SS-1 0.9 - 2.0	0.0				0.0 to 0.9 - CONCRETE
1							0.9 to 2.0 - Brown fine clayey SAND with gravel, moist.
2		SS-2 2.0 - 4.0	0.0				2.0 to 4.0 - Same As Above (SAA).
3							
4		SS-3 4.0 - 4.5	0.0				4.0 to 4.5 - Brown loose, poorly sorted fine to coarse SAND with gravel, moist.
5	5.0 / 3.1	GP-2 / SS-4 5.0 - 7.0	0.3				5.0 to 7.0 - SAA.
6							
7		SS-5 7.0 - 8.1	0.7				7.0 to 8.1 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB4:S000020
PNG003:SB4:S080100

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-5

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.2	GP-1 / SS-1 0.7 - 2.0	0.9				0.0 to 0.7 - CONCRETE
1							0.7 to 2.0 - Poorly graded fine to coarse sand with gravel, trace red brick fragments (FILL).
2		SS-2 2.0 - 4.0	0.7				2.0 to 4.0 - Same As Above (SAA).
3							
4		SS-3 4.0 - 4.2	1.1				4.0 to 4.2 - Brown, loose, poorly sorted fine to coarse SAND with gravel, moist.
5	5.0 / 3.9	GP-2 / SS-4 5.0 - 7.0	1.4				5.0 to 7.0 - SAA.
6							
7		GP-5 / SS-5 7.0 - 8.9	0.3				7.0 to 8.9 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB5:S000020
PNG003:SB5:S060080

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-6

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.2	GP-1 / SS-1 0.8 - 2.0	0.0				0.0 to 0.8 - CONCRETE
1							0.8 to 2.0 - Brown loose, poorly sorted fine to coarse SAND, trace gravel,moist.
2		SS-2 2.0 - 4.0	0.0				2.0 to 4.0 - Same As Above (SAA), PVC fragments at 3 feet.
3							
4		SS-3 4.0 - 4.2	0.0				4.0 to 4.2 - SAA, no PVC fragments.
5	5.0 / 3.5	GP-2 / SS-4 5.0 - 7.0	0.2				5.0 to 7.0 - Brown loose fine SAND, moist.
6							
7		SS-5 7.0 - 8.5	0.1				7.0 to 8.5 - Brown, poorly graded fine to coarse SAND, trace clay, moist.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB6:S000020
PNG003:SB6:S060080

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-7

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.7	GP-1 / SS-1 0.8 - 2.0	0.2				0.0 to 0.8 - CONCRETE
1							0.8 to 2.0 - Gray to tan dense fine SAND with gravel, moist.
2		SS-2 2.0 - 4.0	0.4				2.0 to 2.5 - Same As Above (SAA).
3							2.5 to 4.0 - Brown fine to medium SAND, moist.
4		SS-3 4.0 - 4.7	0.4				4.0 to 4.5 - SAA.
5	5.0 / 2.7	GP-2 / SS-4 5.0 - 7.0	0.4				5.0 to 6.5 - SAA
6							
7		SS-5 7.0 - 7.7	0.6				6.5 to 7.7 - Brown fine to coarse SAND with gravel, moist.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB7:S000020
PNG003:SB7:S080100

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-8

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 5.0	GP-1 / SS-1 0.7 - 2.0	0.0				0.0 to 0.7 - CONCRETE
1							0.7 to 1.5 - Brown stiff CLAY with rounded gravel and sand, moist.
							1.5 to 2.0 - Brown loose, poorly sorted fine to coarse SAND.
2		SS-2 2.0 - 4.0	0.0				2.0 to 4.0 - Same As Above (SAA).
3							
4		SS-3 4.0 - 5.0	0.8				4.0 to 5.0 - SAA.
5	5.0 / 4.0	GP-2 / SS-4 5.0 - 7.0	0.3				5.0 to 7.0 - SAA.
6							
7		SS-5 7.0 - 9.0	0.1				7.0 to 9.0 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB8:S000020
PNG003:SB8:S040060

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-9

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.4	GP-1 / SS-1 0.7 - 2.0	0.1				0.0 to 0.7 - CONCRETE
1							0.7 to 2.0 - Brown stiff CLAY with coarse sand, moist.
2		SS-2 2.0 - 4.0	0.3				2.0 to 4.0 - Brown poorly graded fine to coarse SAND with rounded gravel, moist.
3							
4		SS-3 4.0 - 4.4	0.3				4.0 to 4.4 - Same As Above (SAA).
5	5.0 / 3.5	GP-2 / SS-4 5.0 - 7.0	0.4				5.0 to 7.0 - SAA.
6							
7		SS-5 7.0 - 8.5	0.3				7.0 to 8.5 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB9:S000020
PNG003:SB9:S060080

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-10

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 5.0	GP-1 / SS-1 0.5 - 2.0	4.9				0.0 to 0.5 - CONCRETE
							0.5 to 2.0 - Brown stiff CLAY, trace sand, moist. NO VOCs analyzed
2		SS-2 2.0 - 4.0	38				2.0 to 3.5 - Brown fine clayey SAND, moist.
							3.5 to 5.0 - Tan loose fine SAND, moist.
4		SS-3 4.0 - 5.0	10				
5							5.0 to 7.0 - Same As Above (SAA).
6		GP-2 / SS-4 5.0 - 7.0	14				
7							7.0 to 7.2 - SAA.
8		SS-5 7.0 - 7.2	21.3				
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB10:S000020
PNG003:SB10:S020040

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-11

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 5.0	GP-1 / SS-1 0.5 - 2.0	22.5				0.0 to 0.5 - CONCRETE
							0.5 to 2.0 - Brown poorly graded medium to coarse SAND with gravel, moist.
1							
2		SS-2 2.0 - 4.0	123				2.0 to 4.0 - Same As Above (SAA).
3							
4		SS-3 4.0 - 5.0	127				4.0 to 5.0 - SAA.
5		GP-2 / SS-4 5.0 - 7.0	25.6				5.0 to 6.0 - SAA.
6							6.0 to 7.0 - Medium to coarse SAND with brown clay, moist.
7		SS-5 7.0 - 7.2	42				
8							7.0 to 7.2 - Brown poorly graded medium to coarse SAND with gravel, moist.
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB11:S000020
PNG003:SB11:S040060

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-12

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.5	GP-1 / SS-1 0.8 - 2.0	12.6				0.0 to 0.75 - CONCRETE
1							0.8 to 2.0 - Brown poorly graded fine to coarse SAND, some gravel, moist.
2		SS-2 2.0 - 4.0	42				2.0 to 4.0 - Same As Above (SAA).
3							
4		SS-3 4.0 - 4.5	17				4.0 to 4.5 - Brown poorly graded mediu to coarse SAND with gravel, moist.
5	5.0 / 3.0	GP-2 / SS-4 5.0 - 7.0	10.2				5.0 to 7.0 - SAA.
6							
7		SS-5 7.0 - 8.0	28				7.0 to 8.0 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB12:S000020
PNG003:SB12:S020040

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-13

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.0	GP-1 / SS-1 0.7 - 2.0	0.0				0.0 to 0.7 - CONCRETE
1							0.7 to 0.9 - Brown loose, poorly sorted fine to coarse SAND with gravel, moist.
							0.9 to 2.0 - Brown coarse SAND with clay, moist.
2		SS-2 2.0 - 4.0	0.0				2.0 to 4.0 - Brown hard sandy CLAY, moist.
3							
4							
5	5.0 / 4.0	GP-2 / SS-3 5.0 - 7.0	0.4				5.0 to 6.0 - Same As Above (SAA).
6							6.0 to 7.0 - Brown loose, fine to coarse SAND with gravel, moist.
7		SS-4 7.0 - 9.0	0.1				7.0 to 9.0 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB13:S000020
PNG003:SB13:S060080

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/25/2011
Date Completed	: 5/25/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-14

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.8	GP-1 / SS-1 0.8 - 2.0	0.7				0.0 to 0.8 - CONCRETE
1							0.8 to 2.0 - Brown poorly sorted fine to coarse grain SAND with gravel, moist.
2		SS-2 2.0 - 4.0	14.7				2.0 to 3.0 - Same As Above (SAA).
3							3.0 to 4.0 - Brown stiff CLAY with coarse sand, moist.
4		SS-3 4.0 - 4.8	19.4				4.0 to 4.8 - Gray stiff CLAY with coarse sand, moist. Brown to gray at 6.0 feet.-5.0 5.0 to 7.0 - SAA.
5	5.0 / 3.0	GP-2 / SS-4 5.0 - 7.0	34				
6							
7		SS-5 7.0 - 8.0	10.5				
8							7.0 to 8.0 - Gray coarse SAND with clay and fine gravel, moist.
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB14:S000020
PNG003:SB14:S060080

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-15

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0							0.0 to 0.5 - CONCRETE
	5.0 / 3.0	GP-1 / SS-1 0.5 - 2.0	4.0				0.5 to 2.0 - Brown medium to coarse grain SAND with gravel, moist.
1							
2		SS-2 2.0 - 3.0	1.7				2.0 to 3.0 - Brown medium to coarse SAND, moist.
3							
4							5.0 to 7.0 - Brown poorly graded coarse SAND with gravel, moist.
5	5.0 / 2.3	GP-2 / SS-3 5.0 - 7.0	3.1				
6							
7		SS-4 7.0 - 7.3	2.1				7.0 to 7.3 - Same As Above.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB15:S000020
PNG003:SB15:S040060

03-21-2012 F:\Clients\PNG\PNG003\Boring Logs\SB-15.bor

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-16

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 5.0	GP-1 / SS-1 0.0 - 2.0	30				0.0 to 2.0 - Brown coarse to medium clayey SAND with gravel, moist.
1							
2		SS-2 2.0 - 4.0	14				2.0 to 3.0 - Same As Above (SAA).
3							3.0 to 3.5 - Gray fine SAND with clay, moist. 3.5 to 5.0 - Brown medium to coarse poorly sorted SAND with gravel, moist.
4		SS-3 4.0 - 5.0	43				
5	5.0 / 3.0	GP-2 / SS-4 5.0 - 7.0	5.2				5.0 to 7.0 - SAA.
6							
7		GP-5 / SS-5 7.0 - 8.0	1.3				7.0 to 8.0 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB16:S000020
PNG003:SB16:S040060

03-21-2012 F:\Clients\PNG\PNG003\Boring Logs\SB-16.bor

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-17

(Page 1 of 1)

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	DESCRIPTION
0	5.0 / 5.0	GP-1 / SS-1 0.0 - 2.0	3.6	0.0 to 2.0 - Brown poorly sorted fine to coarse SAND with gravel, moist
2		SS-2 2.0 - 4.0	2.0	2.0 to 2.8 - Same As Above (SAA).
3				2.8 to 5.0 - Brown stiff CLAY, trace sand, moist
4		SS-3 4.0 - 5.0	1.4	
5	5.0 / 2.5	GP-2 / SS-4 5.0 - 7.0	8.3	5.0 to 6.0 - SAA.
6				6.0 to 7.0 - Brown fine SAND, trace gravel, moist.
7		SS-5 7.0 - 7.5	24	7.0 to 7.5 - SAA.
10				End of boring at 10.0 feet.

Soil samples sent for analysis:
PNG003:SB17:S000020
PNG003:SB17:S080100

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-18

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 1.3	DP-1 / SS-1 0.0 - 1.3	2.1				0.0 to 1.3 - Light to medium loose gray gravelly SAND, dry. Grass/rootlets 0.0 - 0.2
1							
2							
3							
4	4.0 / 1.5	DP-2 / SS-2 4.0 - 5.5	2.7				4.0 to 5.5 - Same As Above (SAA), trace Fe-oxidation.
5							
6							
7							
8	4.0 / 2.1	DP-3 /SS-3 8.0 - 10.1	2.7				8.0 to 10.1 - SAA.
9							
10							
11							
12							

Soil samples sent for analysis:
PNG003:SB-18:S000013
PNG003:SB-18:S080101
PNG003:SB-18:S120143

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-18

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12	3.0 / 2.3	DP-4 / SS-4 12.0 - 14.3	2.1				12.3 to 14.3 - SAA.
13							
14							
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-18:S000013
PNG003:SB-18:S080101
PNG003:SB-18:S120143

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-19

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 2.2	DP-1 / SS-1 0.0 - 2.0	1.0				0.0 to 0.8 - Medium brown, soft clayey SILT, little sand, moist.
1							0.8 to 2.2 - Light to medium gray, loose gravelly SAND, slightly moist.
2							
3							
4	4.0 / 2.6	DP-2 / SS-2 4.0 - 6.0	1.2				4.0 to 6.6 - Same As Above (SAA), trace Fe-oxidation.
5							
6		SS-3 6.0 - 6.6	0.7				
7							
8	4.0 / 2.2	DP-3 / SS-4 8.0 - 10.0	0.0				8.0 to 10.0 - Light to medium gray, loose sandy GRAVEL; slightly moist to moist, trace Fe-oxidation.
9							
10							
11							
12							

Soil samples sent for analysis:
PNG003:SB-19:S000020
PNG003:SB-19:S040060

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-19

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental
	: OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12	3.0 / 2.0	DP-4 / SS-5 12.0 - 14.0	0.0	X			12.0 to 14.0 - SAA.
13							
14							
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-19:S000020
PNG003:SB-19:S040060

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-20

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 1.9	DP-1 / SS-1 0.0 - 1.9	0.1				0.0 to 0.4 - Medium brown, soft clayey SILT, few sand and gravel, moist.
							0.4 to 1.9 - Light to medium gray, loose sandy GRAVEL, slightly moist.
1							
2							
3							
4	4.0 / 2.2	DP-2 / SS-2 4.0 - 6.2	0.1				4.0 to 6.2 - Same As Above (SAA), slightly moist to moist, trace Fe-oxidation.
5							
6							
7							
8	4.0 / 2.5	DP-3 / SS-3 8.0 - 10.0	0.7				8.0 to 10.5 - SAA.
9							
10		SS-4 10.0 - 10.5	0.1				
11							
12							

Soil samples sent for analysis:
PNG003:SB-20:S000019
PNG003:SB-20:S080100

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-20

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12	3.0 / 2.5	DP-4 / SS-5 12.0 - 14.0	0.0				12.0 to 14.5 - SAA.
13							
14		SS-6 14.0 - 14.5	0.0				
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-20:S000019
PNG003:SB-20:S080100

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-21

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G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 2.0	DP-1 / SS-1 0.0 - 2.0	0.1				0.0 to 0.6 - Medium brown soft clayey SILT, trace sand, moist.
1							0.6 to 1.8 - Light to medium gray, loose sandy GRAVEL, slightly moist.
2							1.8 to 2.0 - Medium brown, firm clayey SILT, moist.
3							
4	4.0 / 1.8	DP-2 / SS-2 4.0 - 5.8	0.0				4.0 to 4.9 - Same As Above (SAA).
5							4.9 to 5.8 - Light to medium gray loose sandy GRAVEL, slightly moist.
6							
7							
8	4.0 / 2.2	DP-3 / SS-3 8.0 - 10.0	0.0				8.0 to 9.1 - SAA.
9							9.1 to 10.0 - Light to medium gray loose SAND, trace gravel, slightly moist.
10	3.0 / 2.2	DP-4 / SS-4 12.0 - 14.2	0.0				
11							
12							

Soil samples sent for analysis:
PNG003:SB-21:S000020
PNG003:SB-21:S040058
PNG003:SB-21:S120142

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-21

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12							12.0 to 14.2 - SAA.
13							
14							
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-21:S000020
PNG003:SB-21:S040058
PNG003:SB-21:S120142

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-22

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 2.0	DP-1 / SS-1 0.0 - 2.0	0.0				0.0 to 0.6 - Medium to dark brown clayey SILT, trace sand, moist, rootlets throughout.
							0.6 to 2.0 - Light to medium gray, loose sandy GRAVEL, moist.
1							
2							
3							
4	4.0 / 2.4	DP-2 / SS-2 4.0 - 6.4	0.0				4.0 to 6.4 - Same As Above (SAA).
5							
6							
7							
8	4.0 / 2.5	DP-3 / SS-3 8.0 - 10.0	0.0				8.0 to 10.5 - SAA.
9							
10		SS-4 10.0 - 10.5	0.0				
11							
12							

Soil samples sent for analysis:
PNG003:SB-22:S000020
PNG003:SB-22:S080100

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-22

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12	3.0 / 2.4	DP-4 / SS-5 12.0 - 12.5	0.0				12.0 to 12.5 - SAA.
		SS-6 12.5 - 13.3	0.0				12.5 to 13.3 - Medium brown fine SAND, wet.
13		SS-7 13.3 - 14.4	0.0				13.3 to 14.4 - Light to medium gray sandy GRAVEL, moist.
14							
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-22:S000020
PNG003:SB-22:S080100

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-23

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 2.5	DP-1 / SS-1 0.0 - 2.0	0.0				0.0 to 2.5 - Light to medium gray loose sandy GRAVEL, slightly moist.
1							
2		SS-2 2.0 - 2.5	0.0				
3							
4	4.0 / 2.9	DP-2 / SS-3 4.0 - 6.0	0.0				4.0 to 5.2 - Dark gray firm silty SAND, little gravel and clay, moist.
5							5.2 to 6.9 - Light to medium gray loose sandy GRAVEL, slightly moist.
6		SS-4 6.0 - 6.9	0.0				
7							
8	4.0 / 2.0	DP-3 / SS-5 8.0 - 10.0	0.0				8.0 to 10.0 - Same As Above (SAA).
9							
10							
11							
12							

Soil samples sent for analysis:
PNG003:SB-23:S000020
PNG003:SB-23:S040060

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-23

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12	3.0 / 1.8	DP-4 / SS-6 12.0 - 13.8	0.0				12.0 to 13.8 - SAA.
13							
14							
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-23:S000020
PNG003:SB-23:S040060

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-24

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 1.2	DP-1 / SS-1 0.0 - 1.2	0.0				0.0 to 1.2 - Light to medium gray loose sandy GRAVEL, slightly moist.
1							
2							
3							
4	4.0 / 2.5	DP-2 / SS-2 4.0 - 6.0	0.0				4.0 to 6.5 - Same As Above (SAA).
5							
6		SS-3 6.0 - 6.5	0.0				
7							
8	4.0 / 2.0	DP-3 / SS-4 8.0 - 10.0	0.0				8.0 to 10.0 - SAA.
9							
10							
11							
12							

Soil samples sent for analysis:
PNG003:SB-24:S000012
PNG003:SB-24:S040060
PNG003:SB-24:S120139

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-24

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12		DP-4 / SS-5 12.0 - 13.9	0.0				12.0 to 13.9 - SAA.
13							
14							
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-24:S000012
PNG003:SB-24:S040060
PNG003:SB-24:S120139

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-25

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 1.8	DP-1 / SS-1 0.0 - 1.8	0.0				0.0 to 1.8 - Light to medium gray sandy GRAVEL, dry.
1							
2							
3							
4	4.0 / 2.4	DP-2 / SS-2 4.0 - 6.4	0.0				4.0 to 6.4 - Same As Above (SAA).
5							
6							
7							
8	4.0 / 2.0	DP-3 / SS-3 8.0 - 10.0	0.0				8.0 to 10.0 - SAA.
9							
10							
11							
12							

Soil samples sent for analysis:
PNG003:SB-25:S000018
PNG003:SB-25:S080010

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-25

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12	3.0 / 2.0	DP-4 / SS-4 12.0 - 14.0	0.0				12.0 to 14.0 - SAA.
13							
14							
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-25:S000018
PNG003:SB-25:S080010

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-26

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	4.0 / 1.8	DP-1 / SS-1 0.0 - 1.8	0.0				0.0 to 1.8 - Medium brown sandy SILT, little clay and gravel, moist.
1							
2							
3							
4	4.0 / 2.2	DP-2 / SS-2 4.0 - 6.2	0.0				4.0 to 6.2 - Light to medium gray loose sandy GRAVEL, moist.
5							
6							
7							
8	4.0 / 2.0	DP-3 / SS-3 8.0 - 10.0	0.0				8.0 to 10.0 - Same As Above (SAA).
9							
10							
11							
12							

Soil samples sent for analysis:
PNG003:SB-26:S000018
PNG003:SB-26:S040062
PNG003:SB-26:S120139

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 6/3/2011
Date Completed	: 6/3/2011
Logged by	: T. Brown
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Direct Push
Sampling Method	: 5' Dual Tube
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-26

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: ThermoEnvironmental : OVM 580B
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
12	4.0 / 1.9	DP-4 / SS-4 12.0 - 13.9	0.0				12.0 to 13.9 - SAA.
13							
14							
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							
21							
22							
23							
24							

Soil samples sent for analysis:
PNG003:SB-26:S000018
PNG003:SB-26:S040062
PNG003:SB-26:S120139

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-27

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 3.5	GP-1 / SS-1 0.8 - 2.0	5.4				0.0 to 0.8 - CONCRETE
1							0.8 to 2.0 - Gray to black poorly graded fine to coarse SAND with gravel.
2		SS-2 2.0 - 3.5	6.6				2.0 to 3.5 - Tan fine SAND, moist.
3							
4							5.0 to 7.0 - Gray medium to coarse SAND with gravel, moist.
5	5.0 / 2.5	GP-2 / SS-3 5.0 - 7.0	14				
6							
7		SS-4 7.0 - 7.5	3.5				7.0 to 7.5 - Same As Above.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB27:S000020
PNG003:SB27:S040060

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-28

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.5	GP-1 / SS-1 0.5 - 2.0	0.0				0.0 to 0.5 - CONCRETE
							0.5 to 2.0 - Brown poorly graded medium to coarse SAND with gravel, trace silt, moist.
2		SS-2 2.0 - 4.0	0.0				2.0 to 4.0 - Same As Above (SAA).
4		SS-3 4.0 - 4.5	1.7				4.0 to 4.5 - SAA.
5		GP-2 / SS-4 5.0 - 7.0	0.7				5.0 to 7.0 - SAA.
7		SS-5 7.0 - 8.5	0.7				7.0 to 8.5 - SAA.
10							End of boring at 10.0 feet.

Soil samples sent for analysis:
PNG003:SB28:S000020
PNG003:SB28:S040060

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-29

(Page 1 of 1)

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.2	GP-1 / SS-1 0.5 - 2.0	0.0				0.0 to 0.5 - CONCRETE
							0.5 to 2.0 - Brown loose, poorly graded fine to coarse SAND with gravel, moist.
1							
2		SS-2 2.0 - 4.0	0.0				2.0 to 4.0 - Same As Above (SAA).
3							
4		SS-3 4.0 - 4.2	0.2				4.0 to 4.2 - SAA.
5	5.0 / 2.5	GP-2 / SS-4 5.0 - 7.0	0.0				5.0 to 7.0 - SAA.
6							
7		SS-5 7.0 - 7.5	0.0				7.0 to 7.5 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB29:S000020
PNG003:SB29:S040060

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-30

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.0	GP-1 / SS-1 0.5 - 2.0	1.1				0.0 to 0.5 - CONCRETE
							0.5 to 2.0 - Brown fine SAND, moist.
1							
2		SS-2 2.0 - 4.0	1.4				2.0 to 4.0 - Same As Above (SAA).
3							
4							
5	5.0 / 3.5	GP-2 / SS-3 5.0 - 7.0	0.1				5.0 to 5.5 - SAA.
							5.5 to 7.0 - Brown medium to coarse SAND with rounded gravel, trace clay, moist.
6							
7		SS-4 7.0 - 8.5	1.5				7.0 to 8.5 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB30:S000020
PNG003:SB30:S080100

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-31

(Page 1 of 1)

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.5	GP-1 / SS-1 0.5 - 2.0	0.0				0.0 to 0.5 - CONCRETE
							0.5 to 2.0 - Brown poorly graded fine to coarse SAND with gravel, moist.
1							
2		SS-2 2.0 - 4.0	0.0				2.0 to 4.0 - Same As Above (SAA).
3							
4		SS-3 4.0 - 4.5	0.0				4.0 to 4.5 - SAA.
5	5.0 / 3.8	GP-2 / SS-4 5.0 - 7.0	0.3				5.0 to 7.0 - SAA.
6							
7		SS-5 7.0 - 8.8	0.0				7.0 to 8.8 - SAA.
8							
9							
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB31:S000020
PNG003:SB31:S060080

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-32

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 5.0	GP-1 / SS-1 0.5 - 2.0	0.1				0.0 to 0.5 - CONCRETE
							0.5 to 2.0 - Brown poorly graded fine to coarse SAND with gravel, trace clay, moist.
2		SS-2 2.0 - 4.0	0.0				2.0 to 4.0 - Same As Above (SAA).
4		SS-3 4.0 - 5.0	0.0				4.0 to 5.0 - SAA.
5	5.0 / 3.5	GP-2 / SS-4 5.0 - 7.0	0.2				5.0 to 7.0 - SAA.
7		SS-5 7.0 - 8.5	0.3				7.0 to 8.5 - SAA.
10							End of boring at 10.0 feet.

Soil samples sent for analysis:
PNG003:SB32:S000020
PNG003:SB32:S080100

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/23/2011
Date Completed	: 5/23/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 15.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-33

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 3.8	GP-1 / SS-1 0.5 - 2.0	5.0				0.0 to 0.5 - CONCRETE
1							0.5 to 2.0 - Gray GRAVEL with coarse sand, moist.
2		SS-2 2.0 - 3.8	10.5				2.0 to 3.8 Same As Above.
3							
4							
5	5.0 / 1.0	GP-2 / SS-3 5.0 - 6.0	0.8				5.0 to 6.0 - Gray GRAVEL with fine sand, moist.
6							
7							
8							
9							
10	5.0 / 2.5	GP-3 / SS-4 10.0 - 12.0	0.0				10.0 to 12.0 - Gray GRAVEL with fine sand, moist.
11							
12		GP-5 12.0 - 12.5	2.4				12.0 to 12.5 - Brown GRAVEL with coarse sand, moist.
13							
14							14.0 to 15.0 - No Return
15							End of boring at 15.0 feet.
16							
17							
18							
19							
20							

Soil samples sent for analysis:
PNG003:SB33:S000020
PNG003:SB33:S020040
PNG003:SB33:S120140

Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-34

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples: Sampled Interval; Sample sent to lab

Water Levels: Static; During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 4.8	GP-1 / SS-1 0.0 - 2.0	2.7				0.0 to 2.0 - Brown poorly graded fine to coarse SAND with gravel, moist.
2		SS-2 2.0 - 4.0	3.3				2.0 to 4.0 - Same As Above (SAA).
4		SS-3 4.0 - 4.8	3.5				4.0 to 4.8 - SAA.
5	5.0 / 4.0	GP-2 / SS-4 5.0 - 7.0	2.7				5.0 to 7.0 - SAA.
7		SS-5 7.0 - 9.0	4.7				7.0 to 9.0 - SAA.
10							End of boring at 10.0 feet.

Soil samples sent for analysis:
PNG003:SB34:S000020
PNG003:SB34:S080100

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Hull & associates, inc.

Data Gap Investigation
Former Delphi Needmore Road Facility
3100 Needmore Road, Dayton, Ohio

Project Number: PNG003

Client: Dayton Real Estate Ventures

Date Started	: 5/24/2011
Date Completed	: 5/24/2011
Logged by	: J. Mielecki
Reviewed by	: Ray Kennedy
Drilling Contractor	: EnviroCore
Drilling Method	: Geoprobe
Sampling Method	: 5' Macrocore
Total Depth (ft.)	: 10.0
S. Water Level Date	: N/A
S. Water Level (ft.)	: N/A

LOG OF BORING SB-35

(Page 1 of 1)

G. Elev. (ft. USGS)	: Not measured
PID/FID Model	: Mini Rae 2000
PID/FID Calibration	: 100 ppm Isobutylene

Soil Samples
- Sampled Interval
- Sample sent to lab

Water Levels
- Static
- During Drilling

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Sample	GRAPHIC	Water Level	DESCRIPTION
0	5.0 / 5.0	GP-1 / SS-1 0.0 - 2.0	0.0				0.0 to 1.8 - Brown very stiff CLAY with sand, moist.
1							
2		SS-2 2.0 - 4.0	0.6				1.8 to 2.0 - Brown poorly sorted fine to coarse SAND with gravel, moist. 2.0 to 4.0 - Brown fine to medium SAND, trace gravel, moist.
3							
4		SS-3 4.0 - 5.0	0.3				4.0 TO 5.0 - Same As Above (SAA).
5	5.0 / 4.5	GP-4 / SS-4 5.0 - 7.0	1.0				5.0 to 6.0 - SAA.
6							6.0 to 7.0 - Brown poorly sorted fine to coarse SAND with gravel, moist.
7		SS-5 7.0 - 9.0	0.3				7.0 to 9.0 - SAA.
8							
9		SS-6 9.0 - 9.5	NM				9.0 to 9.5 - SAA.
10							End of boring at 10.0 feet.
11							
12							

Soil samples sent for analysis:
PNG003:SB35:S000020
PNG003:SB35:S060080

03-21-2012 F:\Clients\PNG\PNG003\Boring Logs\SB-35.bor

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE REDEVELOPMENT PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 2

SUMMARY OF VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL (mg/kg)

Parameter	CAS Registry	Commercial / Industrial Soil Direct Contact Standard[a] (mg/kg)	Construction / Excavation Soil Direct Contact Standard[b] (mg/kg)	Identified Area	5			14			15			17			19			6	
				Station ID	MW-2			MW-5			MW-6			MW-7			MW-8			SB-4	
				Sample Depth (ft bgs)	0.5-2 ft	6-8 ft	17-18 ft	0.5-2 ft	8-10 ft	22-23 ft	0-2 ft	4-6 ft	28-30 ft	0.3-2 ft	2-4 ft	24-25.9 ft	0.5-2 ft	4-6 ft	18-20 ft	0-2 ft	8-10 ft
				Sample ID	PNG003:MW2:S005020	PNG003:MW2:S060080	PNG003:MW2:S170180	PNG003:MW5:S005O20	PNG003:MW5:S080100	PNG003:MW5:S220230	PNG003:MW6:S000020	PNG003:MW6:S040060	PNG003:MW6:S280300	PNG003:MW7:S003020	PNG003:MW7:S020040	PNG003:MW7:S240259	PNG003:MW8:S005020	PNG003:MW8:S040060	PNG003:MW8:S180200	PNG003:SB4:S000020	PNG003:SB4:S080100
				Sample Date	5/26/2011	5/26/2011	5/26/2011	5/25/2011	5/25/2011	5/25/2011	5/26/2011	5/26/2011	5/26/2011	5/24/2011	5/24/2011	5/24/2011	5/25/2011	5/25/2011	5/25/2011	5/24/2011	5/24/2011
1,1,1,2-Tetrachloroethane	630-20-6	81	310		<0.0039[d]	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,1,1-Trichloroethane	71-55-6	1,300	1,300		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,1,2,2-Tetrachloroethane	79-34-5	24	94		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,1,2-Trichlorethane	79-00-5	55	210		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,1-Dichloroethane	75-34-3	2,300	2,300		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,1-Dichloroethene	75-35-4	610	180		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,1-Dichloropropene	563-58-6	NS[c]	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2,3-Trichlorobenzene	87-61-6	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2,3-Trichloropropane	96-18-4	28	190		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2,4-Trichlorobenzene	120-82-1	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2,4-Trimethyl-benzene	95-63-6	120	35		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2-Dibromoethane	106-93-4	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2-Dichlorobenzene	95-50-1	370	370		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2-Dichloroethane	107-06-2	19	75		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,2-Dichloropropane	78-87-5	31	30		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,3,5-Trimethylbenzene	108-67-8	95	200		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,3-Dichlorobenzene	541-73-1	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,3-Dichloropropane	142-28-9	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
1,4-Dichlorobenzene	106-46-7	130	510		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
2,2-Dichloropropane	594-20-7	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
2-Butanone	78-93-3	100,000	15,000		**0.0053**	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
2-Chlorotoluene	95-49-8	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
2-Hexanone	591-78-6	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
4-Chlorotoluene	106-43-4	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
4-Isopropyltoluene	99-87-6	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
4-Methyl-2-pentanone	108-10-1	16,000	12,000		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Acetone	67-64-1	100,000	100,000		**0.028**	**0.012**	**0.01**	**0.0085**	**0.0086**	**0.011**	<0.0054	**0.0086**	**0.0066**	<0.004	<0.0042	**0.0086**	**0.0064**	**0.006**	**0.009**	<0.0039	<0.0045
Benzene	71-43-2	140	150		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Bromobenzene	108-86-1	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Bromochloromethane	74-97-5	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Bromodichloromethane	75-27-4	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Bromoform	75-25-2	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Butylbenzene	104-51-8	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Carbon Disulfide	75-15-0	1,400	190		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Carbon Tetrachloride	56-23-5	8	24		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Chlorobenzene	108-90-7	710	740		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Chloroethane	75-00-3	2,200	2,200		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Chloroform	67-66-3	14	55		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
cis-1,2-Dichloroethene	156-59-2	2,200	2,200		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
cis-1,3-Dichloropropene	10061-01-5	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Dibromochloromethane	124-48-1	1,600	1,600		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Dichlorodifluoromethane (Freon-12)	75-71-8	520	1,400		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Ethylbenzene	100-41-4	230	230		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Hexachloro-1,3-butadiene	87-68-3	220	170		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Isopropylbenzene	98-82-8	260	260		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
m,p-Xylenes	179601-23-1	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Methyl Bromide	74-83-9	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Methyl Chloride	74-87-3	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Methylene Bromide	74-95-3	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Methylene Chloride	75-09-2	570	1,500		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Methyl-tert-butyl-ether	1634-04-4	1,900	6,700		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Naphthalene	91-20-3	150	84		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
n-Propylbenzene	103-65-1	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
o-Xylene	95-47-6	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
sec-Butylbenzene	135-98-8	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Styrene	100-42-5	1,700	1,700		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
tert-Butylbenzene	98-06-6	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Tetrachloroethene	127-18-4	53	220		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Toluene	108-88-3	520	520		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
trans-1,2-Dichloroethene	156-60-5	260	78		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
trans-1,3-Dichloropropene	10061-02-6	NS	NS		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Trichloroethene	79-01-6	150	560		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Trichlorofluoromethane (Freon-11)	75-69-4	1,600	1,600		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Vinyl Chloride	75-01-4	12	48		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045
Xylene	1330-20-7	370	370		<0.0039	<0.0036	<0.0042	<0.0045	<0.0045	<0.0043	<0.0054	<0.004	<0.0041	<0.004	<0.0042	<0.004	<0.0041	<0.0039	<0.0039	<0.0039	<0.0045

Notes:

a. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(c).

b. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(d).

c. 'NS' - A VAP standard has not been established for this analyte.

d. < - indicates less than detection limit or practical quantitation limit, as appropriate.

e. **BOLD** indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE REDEVELOPMENT PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 2

SUMMARY OF VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL (mg/kg)

Parameter	CAS Registry	Commercial / Industrial Soil Direct Contact Standard[a] (mg/kg)	Construction / Excavation Soil Direct Contact Standard[b] (mg/kg)	Identified Area	6			12		10		14		14		15			15		15	
				Station ID	SB-5			SB-13		SB-15		SB-16		SB-17		SB-18			SB-19		SB-20	
				Sample Depth (ft bgs)	0.5-2 ft	0-2 ft	6-8 ft	0-2 ft	6-8 ft	0-2 ft	4-6 ft	0-2 ft	4-6 ft	0-2 ft	8-10 ft	0-1.3 ft	8-10.1 ft	12-14.3 ft	0-2 ft	4-6 ft	0-1.9 ft	8-10 ft
				Sample ID	PNG003:MW2:S005020	PNG003:SB5:S000020	PNG003:SB5:S060080	PNG003:SB13:S000020	PNG003:SB13:S060080	PNG003:SB15:SO00020	PNG003:SB15:SO40060	PNG003:SB16:SO00020	PNG003:SB16:SO40060	PNG003:SB17:SO00020	PNG003:SB17:SO80100	PNG003:SB-18:S000013	PNG003:SB-18:S080101	PNG003:SB-18:S120143	PNG003:SB-19:S000020	PNG003:SB-19:S040060	PNG003:SB-20:S000019	PNG003:SB-20:S080100
				Sample Date	5/26/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011
1,1,1,2-Tetrachloroethane	630-20-6	81	310		<0.0039[d]	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,1,1-Trichloroethane	71-55-6	1,300	1,300		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,1,2,2-Tetrachloroethane	79-34-5	24	94		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,1,2-Trichlorethane	79-00-5	55	210		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,1-Dichloroethane	75-34-3	2,300	2,300		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,1-Dichloroethene	75-35-4	610	180		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,1-Dichloropropene	563-58-6	NS[c]	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2,3-Trichlorobenzene	87-61-6	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2,3-Trichloropropane	96-18-4	28	190		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2,4-Trichlorobenzene	120-82-1	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2,4-Trimethyl-benzene	95-63-6	120	35		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2-Dibromoethane	106-93-4	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2-Dichlorobenzene	95-50-1	370	370		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2-Dichloroethane	107-06-2	19	75		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,2-Dichloropropane	78-87-5	31	30		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,3,5-Trimethylbenzene	108-67-8	95	200		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,3-Dichlorobenzene	541-73-1	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,3-Dichloropropane	142-28-9	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
1,4-Dichlorobenzene	106-46-7	130	510		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
2,2-Dichloropropane	594-20-7	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
2-Butanone	78-93-3	100,000	15,000		**0.0053**	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
2-Chlorotoluene	95-49-8	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
2-Hexanone	591-78-6	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
4-Chlorotoluene	106-43-4	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
4-Isopropyltoluene	99-87-6	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
4-Methyl-2-pentanone	108-10-1	16,000	12,000		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Acetone	67-64-1	100,000	100,000		**0.028**	<0.0048	**0.0058**	**0.0074**	**0.0083**	**0.0077**	**0.0071**	**0.01**	**0.0096**	<0.0043	**0.012**	**0.015**	<0.0049	<0.0045	<0.0038	**0.013**	<0.0052	**0.0072**
Benzene	71-43-2	140	150		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Bromobenzene	108-86-1	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Bromochloromethane	74-97-5	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Bromodichloromethane	75-27-4	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Bromoform	75-25-2	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Butylbenzene	104-51-8	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Carbon Disulfide	75-15-0	1,400	190		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	**0.0095**	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Carbon Tetrachloride	56-23-5	8	24		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Chlorobenzene	108-90-7	710	740		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Chloroethane	75-00-3	2,200	2,200		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Chloroform	67-66-3	14	55		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
cis-1,2-Dichloroethene	156-59-2	2,200	2,200		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
cis-1,3-Dichloropropene	10061-01-5	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Dibromochloromethane	124-48-1	1,600	1,600		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Dichlorodifluoromethane (Freon-12)	75-71-8	520	1,400		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Ethylbenzene	100-41-4	230	230		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Hexachloro-1,3-butadiene	87-68-3	220	170		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Isopropylbenzene	98-82-8	260	260		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
m,p-Xylenes	179601-23-1	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Methyl Bromide	74-83-9	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Methyl Chloride	74-87-3	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Methylene Bromide	74-95-3	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Methylene Chloride	75-09-2	570	1,500		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Methyl-tert-butyl-ether	1634-04-4	1,900	6,700		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Naphthalene	91-20-3	150	84		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
n-Propylbenzene	103-65-1	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
o-Xylene	95-47-6	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
sec-Butylbenzene	135-98-8	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Styrene	100-42-5	1,700	1,700		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
tert-Butylbenzene	98-06-6	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Tetrachloroethene	127-18-4	53	220		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Toluene	108-88-3	520	520		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
trans-1,2-Dichloroethene	156-60-5	260	78		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
trans-1,3-Dichloropropene	10061-02-6	NS	NS		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Trichloroethene	79-01-6	150	560		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Trichlorofluoromethane (Freon-11)	75-69-4	1,600	1,600		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Vinyl Chloride	75-01-4	12	48		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039
Xylene	1330-20-7	370	370		<0.0039	<0.0048	<0.0043	<0.0045	<0.0047	<0.0041	<0.004	<0.0049	<0.004	<0.0043	<0.0042	<0.0042	<0.0049	<0.0045	<0.0038	<0.0048	<0.0052	<0.0039

Notes:

a. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(c).

b. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(d).

c. 'NS' - A VAP standard has not been established for this analyte.

d. <- indicates less than detection limit or practical quantitation limit, as appropriate.

e. **BOLD** indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE REDEVELOPMENT PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 2

SUMMARY OF VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL (mg/kg)

Parameter	CAS Registry	Commercial / Industrial Soil Direct Contact Standard[a] (mg/kg)	Construction / Excavation Soil Direct Contact Standard[b] (mg/kg)	Identified Area	15				15		15		15			15		15			10	
				Station ID	SB-21				SB-22		SB-23		SB-24			SB-25		SB-26			SB-27	
				Sample Depth (ft bgs)	0.5-2 ft	0-2 ft	4-5.8 ft	12-14.2 ft	0-2 ft	8-10 ft	0-2 ft	4-6 ft	0-1.2 ft	4-6 ft	12-13.9 ft	0-1.8 ft	8-10 ft	0-1.8 ft	4-6.2 ft	12-13.9 ft	0-2 ft	4-6 ft
				Sample ID	PNG003:MW2:S005020	PNG003:SB-21:S000020	PNG003:SB-21:S040058	PNG003:SB-21:S120142	PNG003:SB-22:S000020	PNG003:SB-22:S080100	PNG003:SB-23:S000020	PNG003:SB-23:S040060	PNG003:SB-24:S000012	PNG003:SB-24:S040060	PNG003:SB-24:S120139	PNG003:SB-25:S000018	PNG003:SB-25:S080100	PNG003:SB-26:S000018	PNG003:SB-26:S040062	PNG003:SB-26:S120139	PNG003:SB27:S000020	PNG003:SB27:S040060
				Sample Date	5/26/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	6/3/2011	5/24/2011	5/24/2011
1,1,1,2-Tetrachloroethane	630-20-6	81	310		<0.0039[d]	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,1,1-Trichloroethane	71-55-6	1,300	1,300		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,1,2,2-Tetrachloroethane	79-34-5	24	94		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,1,2-Trichlorethane	79-00-5	55	210		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,1-Dichloroethane	75-34-3	2,300	2,300		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,1-Dichloroethene	75-35-4	610	180		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,1-Dichloropropene	563-58-6	NS[c]	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,2,3-Trichlorobenzene	87-61-6	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,2,3-Trichloropropane	96-18-4	28	190		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,2,4-Trichlorobenzene	120-82-1	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,2,4-Trimethyl-benzene	95-63-6	120	35		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	**0.0066**	<0.0047
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,2-Dibromoethane	106-93-4	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,2-Dichlorobenzene	95-50-1	370	370		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,2-Dichloroethane	107-06-2	19	75		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,2-Dichloropropane	78-87-5	31	30		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,3,5-Trimethylbenzene	108-67-8	95	200		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,3-Dichlorobenzene	541-73-1	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,3-Dichloropropane	142-28-9	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
1,4-Dichlorobenzene	106-46-7	130	510		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
2,2-Dichloropropane	594-20-7	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
2-Butanone	78-93-3	100,000	15,000		**0.0053**	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	**0.014**
2-Chlorotoluene	95-49-8	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
2-Hexanone	591-78-6	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
4-Chlorotoluene	106-43-4	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
4-Isopropyltoluene	99-87-6	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
4-Methyl-2-pentanone	108-10-1	16,000	12,000		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	**0.032**	**0.97**
Acetone	67-64-1	100,000	100,000		**0.028**	0.02	**0.012**	**0.012**	**0.021**	**0.011**	**0.014**	<0.0044	**0.0071**	0.011	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	**0.57**	**0.72**
Benzene	71-43-2	140	150		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Bromobenzene	108-86-1	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Bromochloromethane	74-97-5	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Bromodichloromethane	75-27-4	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Bromoform	75-25-2	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Butylbenzene	104-51-8	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Carbon Disulfide	75-15-0	1,400	190		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	**0.035**	**0.037**
Carbon Tetrachloride	56-23-5	8	24		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Chlorobenzene	108-90-7	710	740		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Chloroethane	75-00-3	2,200	2,200		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Chloroform	67-66-3	14	55		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
cis-1,2-Dichloroethene	156-59-2	2,200	2,200		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	**0.11**	**0.0057**
cis-1,3-Dichloropropene	10061-01-5	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Dibromochloromethane	124-48-1	1,600	1,600		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Dichlorodifluoromethane (Freon-12)	75-71-8	520	1,400		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Ethylbenzene	100-41-4	230	230		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Hexachloro-1,3-butadiene	87-68-3	220	170		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Isopropylbenzene	98-82-8	260	260		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
m,p-Xylenes	179601-23-1	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	**0.0042**	<0.0047
Methyl Bromide	74-83-9	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Methyl Chloride	74-87-3	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Methylene Bromide	74-95-3	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Methylene Chloride	75-09-2	570	1,500		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Methyl-tert-butyl-ether	1634-04-4	1,900	6,700		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Naphthalene	91-20-3	150	84		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	**0.0059**	<0.0047
n-Propylbenzene	103-65-1	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
o-Xylene	95-47-6	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
sec-Butylbenzene	135-98-8	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Styrene	100-42-5	1,700	1,700		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
tert-Butylbenzene	98-06-6	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Tetrachloroethene	127-18-4	53	220		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Toluene	108-88-3	520	520		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
trans-1,2-Dichloroethene	156-60-5	260	78		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
trans-1,3-Dichloropropene	10061-02-6	NS	NS		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Trichloroethene	79-01-6	150	560		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Trichlorofluoromethane (Freon-11)	75-69-4	1,600	1,600		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Vinyl Chloride	75-01-4	12	48		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	<0.004	<0.0047
Xylene	1330-20-7	370	370		<0.0039	<0.0043	<0.0046	<0.0058	<0.0039	<0.005	<0.0042	<0.0044	<0.004	<0.0044	<0.0048	<0.0044	<0.0051	<0.0039	<0.004	<0.0045	**0.0065**	<0.0047

Notes:

a. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(c).

b. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(d).

c. 'NS' - A VAP standard has not been established for this analyte.

d. < - indicates less than detection limit or practical quantitation limit, as appropriate.

e. **BOLD** indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE REDEVELOPMENT PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 2

SUMMARY OF VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL (mg/kg)

Parameter	CAS Registry	Commercial / Industrial Soil Direct Contact Standard[a] (mg/kg)	Construction / Excavation Soil Direct Contact Standard[b] (mg/kg)	Identified Area	10			18		18		19		19		20			22		22	
				Station ID	SB-28			SB-29		SB-30		SB-31		SB-32		SB-33			SB-34		SB-35	
				Sample Depth (ft bgs)	0.5-2 ft	0-2 ft	4-6 ft	0-2 ft	4-6 ft	0-2 ft	8-10 ft	0-2 ft	6-8 ft	0-2 ft	8-10 ft	0-2 ft	2-4 ft	12-14 ft	0-2 ft	8-10 ft	0-2 ft	6-8 ft
				Sample ID	PNG003:MW2:S005020	PNG003:SB28:S000020	PNG003:SB28:S040060	PNG003:SB29:S000020	PNG003:SB29:S040060	PNG003:SB30:S000020	PNG003:SB30:S080100	PNG003:SB31:S000020	PNG003:SB31:S060080	PNG003:SB32:S000020	PNG003:SB32:S080100	PNG003:SB33:S000020	PNG003:SB33:S020040	PNG003:SB33:S120140	PNG003:SB34:S000020	PNG003:SB34:S080100	PNG003:SB35:S000020	PNG003:SB35:S060080
				Sample Date	5/26/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/23/2011	5/23/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/23/2011	5/23/2011	5/23/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011
1,1,1,2-Tetrachloroethane	630-20-6	81	310		<0.0039[d]	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,1,1-Trichloroethane	71-55-6	1,300	1,300		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,1,2,2-Tetrachloroethane	79-34-5	24	94		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,1,2-Trichlorethane	79-00-5	55	210		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,1-Dichloroethane	75-34-3	2,300	2,300		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,1-Dichloroethene	75-35-4	610	180		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,1-Dichloropropene	563-58-6	NS[c]	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2,3-Trichlorobenzene	87-61-6	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2,3-Trichloropropane	96-18-4	28	190		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2,4-Trichlorobenzene	120-82-1	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2,4-Trimethyl-benzene	95-63-6	120	35		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2-Dibromoethane	106-93-4	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2-Dichlorobenzene	95-50-1	370	370		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2-Dichloroethane	107-06-2	19	75		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,2-Dichloropropane	78-87-5	31	30		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,3,5-Trimethylbenzene	108-67-8	95	200		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,3-Dichlorobenzene	541-73-1	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,3-Dichloropropane	142-28-9	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
1,4-Dichlorobenzene	106-46-7	130	510		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
2,2-Dichloropropane	594-20-7	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
2-Butanone	78-93-3	100,000	15,000		**0.0053**	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
2-Chlorotoluene	95-49-8	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
2-Hexanone	591-78-6	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
4-Chlorotoluene	106-43-4	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
4-Isopropyltoluene	99-87-6	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
4-Methyl-2-pentanone	108-10-1	16,000	12,000		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Acetone	67-64-1	100,000	100,000		**0.028**	<0.004	<0.0041	**0.0083**	**0.0067**	<0.005	**0.0056**	<0.0042	<0.0043	**0.016**	<0.0048	<0.0038	**0.0084**	**0.0094**	<0.0042	<0.0045	<0.004	<0.005
Benzene	71-43-2	140	150		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Bromobenzene	108-86-1	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Bromochloromethane	74-97-5	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Bromodichloromethane	75-27-4	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Bromoform	75-25-2	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Butylbenzene	104-51-8	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Carbon Disulfide	75-15-0	1,400	190		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Carbon Tetrachloride	56-23-5	8	24		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Chlorobenzene	108-90-7	710	740		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Chloroethane	75-00-3	2,200	2,200		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Chloroform	67-66-3	14	55		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
cis-1,2-Dichloroethene	156-59-2	2,200	2,200		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
cis-1,3-Dichloropropene	10061-01-5	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Dibromochloromethane	124-48-1	1,600	1,600		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Dichlorodifluoromethane (Freon-12)	75-71-8	520	1,400		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Ethylbenzene	100-41-4	230	230		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Hexachloro-1,3-butadiene	87-68-3	220	170		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Isopropylbenzene	98-82-8	260	260		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
m,p-Xylenes	179601-23-1	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Methyl Bromide	74-83-9	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Methyl Chloride	74-87-3	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Methylene Bromide	74-95-3	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Methylene Chloride	75-09-2	570	1,500		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Methyl-tert-butyl-ether	1634-04-4	1,900	6,700		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Naphthalene	91-20-3	150	84		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
n-Propylbenzene	103-65-1	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
o-Xylene	95-47-6	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
sec-Butylbenzene	135-98-8	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Styrene	100-42-5	1,700	1,700		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
tert-Butylbenzene	98-06-6	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Tetrachloroethene	127-18-4	53	220		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Toluene	108-88-3	520	520		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
trans-1,2-Dichloroethene	156-60-5	260	78		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
trans-1,3-Dichloropropene	10061-02-6	NS	NS		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Trichloroethene	79-01-6	150	560		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Trichlorofluoromethane (Freon-11)	75-69-4	1,600	1,600		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Vinyl Chloride	75-01-4	12	48		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005
Xylene	1330-20-7	370	370		<0.0039	<0.004	<0.0041	<0.0045	<0.004	<0.005	<0.0041	<0.0042	<0.0043	<0.0059	<0.0048	<0.0038	<0.0048	<0.0059	<0.0042	<0.0045	<0.004	<0.005

Notes:

a. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(c).
b. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(d).
c. 'NS' - A VAP standard has not been established for this analyte.
d. < - indicates less than detection limit or practical quantitation limit, as appropriate.
e. **BOLD** indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 3

SUMMARY OF POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs) IN SOIL (mg/kg)

Station ID	Station ID	Sample Depth (ft bgs)	Sample ID	Sample Date	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
					CAS Registry	90-12-0	91-57-6	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	205-99-2	191-24-2	207-08-9	86-74-8	218-01-9	53-70-3	132-64-9	206-44-0	86-73-7	193-39-5	91-20-3	85-01-8	129-00-0
					Commercial / Industrial Soil Direct Contact Standard[a] (mg/kg)	360	NS[c]	56,000	NS	280,000	76	7.7	77	NS	770	3,400	7,600	7.7	NS	37,000	37,000	77	150	NS	28,000
					Construction / Excavation Soil Direct Contact Standard[b] (mg/kg)	360	NS	440,000	NS	1,000,000	680	69	690	NS	6,900	30,000	69,000	69	NS	290,000	290,000	690	84	NS	220,000
14	MW-5	0.5-2 ft	PNG003:MW5:S005020	5/25/2011		<0.35[d]	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
		8-10 ft	PNG003:MW5:S080100	5/25/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
		22-23 ft	PNG003:MW5:S220230	5/25/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
15	MW-6	0-2 ft	PNG003:MW6:S000020	5/26/2011		<0.4	<0.4	<0.4	<0.4	<0.4	<0.18	<0.36	<0.36	<0.4	<0.36	<0.4	<0.4	<0.36	<0.4	<0.4	<0.4	<0.18	<0.4	<0.4	<0.4
		4-6 ft	PNG003:MW6:S040060	5/26/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
		28-30 ft	PNG003:MW6:S280300	5/26/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.31	<0.31	<0.35	<0.31	<0.35	<0.35	<0.31	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
17	MW-7	0.3-2 ft	PNG003:MW7:S000020	5/24/2011		<0.39	<0.39	<0.39	<0.39	<0.39	<0.18	<0.36	<0.36	<0.39	<0.36	<0.39	<0.39	<0.36	<0.39	<0.39	<0.39	<0.18	<0.39	<0.39	<0.39
		2-4 ft	PNG003:MW7:S020040	5/24/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
		24-25.9 ft	PNG003:MW7:S240259	5/24/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
19	MW-8	0.5-2 ft	PNG003:MW8:S005020	5/25/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.15	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.15	<0.34	<0.34	<0.34
		4-6 ft	PNG003:MW8:S040060	5/25/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.15	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.15	<0.34	<0.34	<0.34
		18-20 ft	PNG003:MW8:S180200	5/25/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.15	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.15	<0.34	<0.34	<0.34
10	SB-15	0-2 ft	PNG003:SB15:S000020	5/23/2011		<0.37	<0.37	<0.37	<0.37	<0.37	<0.17	<0.33	<0.33	<0.37	<0.33	<0.37	<0.37	<0.33	<0.37	<0.37	<0.37	<0.17	<0.37	<0.37	<0.37
		4-6 ft	PNG003:SB15:S040060	5/23/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
14	SB-16	0-2 ft	PNG003:SB16:S000020	5/23/2011		<0.38	<0.38	<0.38	<0.38	<0.38	<0.17	<0.34	<0.34	<0.38	<0.34	<0.38	<0.38	<0.34	<0.38	<0.38	<0.38	<0.17	<0.38	<0.38	<0.38
		4-6 ft	PNG003:SB16:S040060	5/23/2011		**0.52**	<0.36	<0.36	<0.36	<0.36	<0.16	<0.32	<0.32	<0.36	<0.32	<0.36	<0.36	<0.32	<0.36	<0.36	<0.36	<0.16	<0.36	<0.36	<0.36
14	SB-17	0-2 ft	PNG003:SB17:S000020	5/23/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
		8-10 ft	PNG003:SB17:S080100	5/23/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
15	SB-18	0-1.3 ft	PNG003:SB-18:S000013	6/3/2011		<0.35	<0.35	<0.35	<0.35	<0.35	**0.74**	**0.5100001**	**0.56**	<0.35	**0.5700001**	<0.35	**0.8800001**	<0.32	<0.35	**1.5**	<0.35	<0.16	<0.35	**0.68**	**1.2**
		8-10.1 ft	PNG003:SB-18:S080101	6/3/2011		<0.41	<0.41	<0.41	<0.41	<0.41	<0.19	<0.37	<0.37	<0.41	<0.37	<0.41	<0.41	<0.37	<0.41	<0.41	<0.41	<0.19	<0.41	<0.41	<0.41
		12-14.3 ft	PNG003:SB-18:S120143	6/3/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
15	SB-19	0-2 ft	PNG003:SB-19:S000020	6/3/2011		<0.36	<0.36	<0.36	<0.36	<0.36	<0.16	<0.32	<0.32	<0.36	<0.32	<0.36	<0.36	<0.32	<0.36	<0.36	<0.36	<0.16	<0.36	<0.36	<0.36
		4-6 ft	PNG003:SB-19:S040060	6/3/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
15	SB-20	0-1.9 ft	PNG003:SB-20:S000019	6/3/2011		<0.42	<0.42	<0.42	<0.42	<0.42	<0.19	<0.38	<0.38	<0.42	<0.38	<0.42	<0.42	<0.38	<0.42	<0.42	<0.42	<0.19	<0.42	<0.42	<0.42
		8-10 ft	PNG003:SB-20:S080100	6/3/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
15	SB-21	0-2 ft	PNG003:SB-21:S000020	6/3/2011		<0.36	<0.36	<0.36	<0.36	<0.36	**0.37**	<0.33	<0.33	<0.36	**0.37**	<0.36	**0.37**	<0.33	<0.36	**0.9**	<0.36	<0.16	<0.36	**0.63**	**0.65**
		4-5.8 ft	PNG003:SB-21:S040058	6/3/2011		<0.4	<0.4	<0.4	<0.4	<0.4	<0.18	<0.36	<0.36	<0.4	<0.36	<0.4	<0.4	<0.36	<0.4	<0.4	<0.4	<0.18	<0.4	<0.4	<0.4
		12-14.2 ft	PNG003:SB-21:S120142	6/3/2011		<0.41	<0.41	<0.41	<0.41	<0.41	<0.19	<0.37	<0.37	<0.41	<0.37	<0.41	<0.41	<0.37	<0.41	<0.41	<0.41	<0.19	<0.41	<0.41	<0.41
15	SB-22	0-2 ft	PNG003:SB-22:S000020	6/3/2011		<0.37	<0.37	<0.37	<0.37	<0.37	<0.17	<0.34	<0.34	<0.37	<0.34	<0.37	<0.37	<0.34	<0.37	<0.37	<0.37	<0.17	<0.37	<0.37	<0.37
		8-10 ft	PNG003:SB-22:S080100	6/3/2011		<0.4	<0.4	<0.4	<0.4	<0.4	<0.18	<0.36	<0.36	<0.4	<0.36	<0.4	<0.4	<0.36	<0.4	<0.4	<0.4	<0.18	<0.4	<0.4	<0.4
15	SB-23	0-2 ft	PNG003:SB-23:S000020	6/3/2011		<0.36	<0.36	<0.36	<0.36	<0.36	<0.16	<0.33	<0.33	<0.36	<0.33	<0.36	<0.36	<0.33	<0.36	<0.36	<0.36	<0.16	<0.36	<0.36	<0.36
		4-6 ft	PNG003:SB-23:S040060	6/3/2011		<0.45	<0.45	<0.45	<0.45	<0.45	<0.2	<0.41	<0.41	<0.45	<0.41	<0.45	<0.45	<0.41	<0.45	<0.45	<0.45	<0.2	<0.45	<0.45	<0.45
15	SB-24	0-1.2 ft	PNG003:SB-24:S000012	6/3/2011		<0.37	<0.37	<0.37	<0.37	<0.37	<0.17	<0.34	<0.34	<0.37	<0.34	<0.37	<0.37	<0.34	<0.37	<0.37	<0.37	<0.17	<0.37	<0.37	<0.37
		4-6 ft	PNG003:SB-24:S040060	6/3/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
		12-13.9 ft	PNG003:SB-24:S120139	6/3/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
15	SB-25	0-1.8 ft	PNG003:SB-25:S000018	6/3/2011		<0.36	<0.36	<0.36	<0.36	<0.36	<0.16	<0.32	<0.32	<0.36	<0.32	<0.36	<0.36	<0.32	<0.36	<0.36	<0.36	<0.16	<0.36	<0.36	<0.36
		8-10 ft	PNG003:SB-25:S080100	6/3/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
15	SB-26	0-1.8 ft	PNG003:SB-26:S000018	6/3/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
		4-6.2 ft	PNG003:SB-26:S040062	6/3/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
		12-13.9 ft	PNG003:SB-26:S120139	6/3/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
10	SB-27	0-2 ft	PNG003:SB27:S000020	5/24/2011		<0.37	<0.37	<0.37	<0.37	<0.37	<0.17	<0.34	<0.34	<0.37	<0.34	<0.37	<0.37	<0.34	<0.37	<0.37	<0.37	<0.17	<0.37	<0.37	<0.37
		4-6 ft	PNG003:SB27:S040060	5/24/2011		<0.36	<0.36	<0.36	<0.36	<0.36	<0.17	<0.33	<0.33	<0.36	<0.33	<0.36	<0.36	<0.33	<0.36	<0.36	<0.36	<0.17	<0.36	<0.36	<0.36
10	SB-28	0-2 ft	PNG003:SB28:S000020	5/24/2011		<0.37	<0.37	<0.37	<0.37	<0.37	<0.17	<0.34	<0.34	<0.37	<0.34	<0.37	<0.37	<0.34	<0.37	<0.37	<0.37	<0.17	<0.37	<0.37	<0.37
		4-6 ft	PNG003:SB28:S040060	5/24/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
16	SB-29	0-2 ft	PNG003:SB29:S000020	5/24/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
		4-6 ft	PNG003:SB29:S040060	5/24/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
18	SB-30	0-2 ft	PNG003:SB30:S000020	5/23/2011		<0.36	<0.36	<0.36	<0.36	<0.36	<0.16	<0.32	<0.32	<0.36	<0.32	<0.36	<0.36	<0.32	<0.36	<0.36	<0.36	<0.16	<0.36	<0.36	<0.36
		8-10 ft	PNG003:SB30:S080100	5/23/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
19	SB-31	0-2 ft	PNG003:SB31:S000020	5/24/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
		6-8 ft	PNG003:SB31:S060080	5/24/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
19	SB-32	0-2 ft	PNG003:SB32:S000020	5/24/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
		8-10 ft	PNG003:SB32:S080100	5/24/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
20	SB-33	0-2 ft	PNG003:SB33:S000020	5/23/2011		<0.35	<0.35	<0.35	<0.35	<0.35	**0.26**	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	**0.44**	<0.35	<0.16	<0.35	<0.35	<0.35
		2-4 ft	PNG003:SB33:S020040	5/23/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.15	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.15	<0.34	<0.34	<0.34
		12-14 ft	PNG003:SB33:S120140	5/23/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
22	SB-34	0-2 ft	PNG003:SB34:S000020	5/24/2011		<0.35	<0.35	<0.35	<0.35	<0.35	<0.16	<0.32	<0.32	<0.35	<0.32	<0.35	<0.35	<0.32	<0.35	<0.35	<0.35	<0.16	<0.35	<0.35	<0.35
		8-10 ft	PNG003:SB34:S080100	5/24/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
22	SB-35	0-2 ft	PNG003:SB35:S000020	5/24/2011		<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.31	<0.31	<0.34	<0.31	<0.34	<0.34	<0.31	<0.34	<0.34	<0.34	<0.16	<0.34	<0.34	<0.34
		6-8 ft	PNG003:SB35:S060080	5/24/2011		<0.4	<0.4	<0.4	<0.4	<0.4	<0.18	<0.36	<0.36	<0.4	<0.36	<0.4	<0.4	<0.36	<0.4	<0.4	<0.4	<0.18	<0.4	<0.4	<0.4

Notes:

a. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(c).

b. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(d).

c. 'NS' - A VAP standard has not been established for this analyte.

d. < - indicates less than detection limit or practical quantitation limit, as appropriate.

e. BOLD indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 4

SUMMARY OF POLYCHLORINATED BIPHENYLS (PCBs) IN SOIL (mg/kg)

Identified Area	Station Name	Sample Depth (ft bgs)	Sample ID	Sample Date	Parameter	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
					CAS Registry	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5
					Commercial / Industrial Soil Direct Contact Standard[a] (mg/kg)	18	18	18	18	18	18	18
					Construction / Excavation Soil Direct Contact Standard[b] (mg/kg)	42	42	42	42	42	42	42
3	MW-1	0.5-2 ft	PNG003:MW1:S005020	5/24/2011		<0.14[c]	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14
		4-6 ft	PNG003:MW1:S040060	5/24/2011		<0.12	<0.25	<0.12	<0.12	<0.12	<0.12	<0.12
		28-30 ft	PNG003:MW1:S280300	5/24/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
10	MW-3	0.5-2 ft	PNG003:MW3:S005020	5/24/2011		<0.14	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14
		8-10 ft	PNG003:MW3:S080100	5/24/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		25-26.2 ft	PNG003:MW3:S250262	5/24/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
15	MW-6	0-2 ft	PNG003:MW6:S000020	5/26/2011		<0.14	<0.29	<0.14	<0.14	<0.14	<0.14	<0.14
		4-6 ft	PNG003:MW6:S040060	5/26/2011		<0.12	<0.25	<0.12	<0.12	<0.12	<0.12	<0.12
		28-30 ft	PNG003:MW6:S280300	5/26/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
17	MW-7	0.3-2 ft	PNG003:MW7:S003020	5/24/2011		<0.14	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14
		2-4 ft	PNG003:MW7:S020040	5/24/2011		<0.12	<0.25	<0.12	<0.12	<0.12	<0.12	<0.12
		24-25.9 ft	PNG003:MW7:S240259	5/24/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
19	MW-8	0.5-2 ft	PNG003:MW8:S005020	5/25/2011		<0.12	<0.24	<0.12	<0.12	<0.12	<0.12	<0.12
		4-6 ft	PNG003:MW8:S040060	5/25/2011		<0.12	<0.24	<0.12	<0.12	<0.12	<0.12	<0.12
		18-20 ft	PNG003:MW8:S180200	5/25/2011		<0.12	<0.24	<0.12	<0.12	<0.12	<0.12	<0.12
4	SB-3	0-2 ft	PNG003:SB3:S000020	5/25/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		4-6 ft	PNG003:SB3:S040060	5/25/2011		<0.14	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14
		18-20 ft	PNG003:SB3:S180200	5/25/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
6	SB-4	0-2 ft	PNG003:SB4:S000020	5/24/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	**0.97**[d]
		8-10 ft	PNG003:SB4:S080100	5/24/2011		<0.12	<0.25	<0.12	<0.12	<0.12	<0.12	<0.12
6	SB-5	0-2 ft	PNG003:SB5:S000020	5/24/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		6-8 ft	PNG003:SB5:S060080	5/24/2011		<0.12	<0.25	<0.12	<0.12	<0.12	<0.12	<0.12
10	SB-8	0-2 ft	PNG003:SB8:S000020	5/25/2011		<0.13	<0.27	<0.13	<0.13	<0.13	<0.13	<0.13
		4-6 ft	PNG003:SB8:S040060	5/25/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
10	SB-9	0-2 ft	PNG003:SB9:S000020	5/25/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		6-8 ft	PNG003:SB9:S060080	5/25/2011		<0.12	<0.25	<0.12	<0.12	<0.12	<0.12	<0.12
10	SB-15	0-2 ft	PNG003:SB15:SO00020	5/23/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		4-6 ft	PNG003:SB15:SO40060	5/23/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
15	SB-18	0-1.3 ft	PNG003:SB-18:S000013	6/3/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		8-10.1 ft	PNG003:SB-18:S080101	6/3/2011		<0.15	<0.3	<0.15	<0.15	<0.15	<0.15	<0.15
		12-14.3 ft	PNG003:SB-18:S120143	6/3/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
15	SB-19	0-2 ft	PNG003:SB-19:S000020	6/3/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		4-6 ft	PNG003:SB-19:S040060	6/3/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
15	SB-20	0-1.9 ft	PNG003:SB-20:S000019	6/3/2011		<0.15	<0.31	<0.15	<0.15	<0.15	<0.15	<0.15
		8-10 ft	PNG003:SB-20:S080100	6/3/2011		<0.12	<0.25	<0.12	<0.12	<0.12	<0.12	<0.12
15	SB-21	0-2 ft	PNG003:SB-21:S000020	6/3/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		4-5.8 ft	PNG003:SB-21:S040058	6/3/2011		<0.14	<0.29	<0.14	<0.14	<0.14	<0.14	<0.14
		12-14.2 ft	PNG003:SB-21:S120142	6/3/2011		<0.15	<0.3	<0.15	<0.15	<0.15	<0.15	<0.15
15	SB-22	0-2 ft	PNG003:SB-22:S000020	6/3/2011		<0.13	<0.27	<0.13	<0.13	<0.13	<0.13	<0.13
		8-10 ft	PNG003:SB-22:S080100	6/3/2011		<0.14	<0.29	<0.14	<0.14	<0.14	<0.14	<0.14
15	SB-23	0-2 ft	PNG003:SB-23:S000020	6/3/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		4-6 ft	PNG003:SB-23:S040060	6/3/2011		<0.16	<0.33	<0.16	<0.16	<0.16	<0.16	<0.16
15	SB-24	0-1.2 ft	PNG003:SB-24:S000012	6/3/2011		<0.13	<0.27	<0.13	<0.13	<0.13	<0.13	<0.13
		4-6 ft	PNG003:SB-24:S040060	6/3/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		12-13.9 ft	PNG003:SB-24:S120139	6/3/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
15	SB-25	0-1.8 ft	PNG003:SB-25:S000018	6/3/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		8-10 ft	PNG003:SB-25:S080100	6/3/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
15	SB-26	0-1.8 ft	PNG003:SB-26:S000018	6/3/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		4-6.2 ft	PNG003:SB-26:S040062	6/3/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
		12-13.9 ft	PNG003:SB-26:S120139	6/3/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
18	SB-29	0-2 ft	PNG003:SB29:S000020	5/24/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		4-6 ft	PNG003:SB29:S040060	5/24/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
18	SB-30	0-2 ft	PNG003:SB30:S000020	5/23/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		8-10 ft	PNG003:SB30:S080100	5/23/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
19	SB-31	0-2 ft	PNG003:SB31:S000020	5/24/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
		6-8 ft	PNG003:SB31:S060080	5/24/2011		<0.12	<0.25	<0.12	<0.12	<0.12	<0.12	<0.12
19	SB-32	0-2 ft	PNG003:SB32:S000020	5/24/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
		8-10 ft	PNG003:SB32:S080100	5/24/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
22	SB-34	0-2 ft	PNG003:SB34:S000020	5/24/2011		<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
		8-10 ft	PNG003:SB34:S080100	5/24/2011		<0.12	<0.24	<0.12	<0.12	<0.12	<0.12	<0.12
22	SB-35	0-2 ft	PNG003:SB35:S000020	5/24/2011		<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13
		6-8 ft	PNG003:SB35:S06008C	5/24/2011		<0.15	<0.29	<0.15	<0.15	<0.15	<0.15	<0.15

Notes:

a. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(c).

b. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(d).

c. < - indicates less than detection limit or practical quantitation limit, as appropriate.

d. **BOLD** indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 5

SUMMARY OF INORGANIC CONSTITUENTS IN SOIL (mg/kg)

Identified Area	Station ID	Sample Depth (ft bgs)	Sample ID	Sample Date	Parameter	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Cyanide	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
					CAS Registry	7429-90-5	7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	57-12-5	7439-92-1	7439-97-6	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6
					Commercial / Industrial Soil Direct Contact Standard[a] (mg/kg)	NS[c]	1,200	82	370,000	5,100	2,300	7,900[d]	23,000	59,000[e]	1,800	290	44,000	15,000	15,000	230	26,000	880,000
					Construction / Excavation Soil Direct Contact Standard[b] (mg/kg)	NS	370	390	120,000	3,100	1,600	13,000[d]	4,000	39,000[e]	750	190	21,000	9,700	9,700	1,600	17,000	580,000
5	MW-2	0.5-2 ft	PNG003:MW2:S005020	5/26/2011		**6,800**	<11[f]	**7.4**	**71**	**0.48**	<11	<11	**8.4**	NT[g]	**16**	<0.3	**11**	<3.4	<1.1	<3.4	**22**	**38**
		6-8 ft	PNG003:MW2:S060080	5/26/2011		**2,800**	<10	**5.9**	<10	<0.41	<10	<10	<5.2	NT	<5.2	<0.31	**7.6**	<3.1	<1	<3.1	**9.6**	**24**
		17-18 ft	PNG003:MW2:S170180	5/26/2011		**9,100**	<12	**33**	**100**	**0.51**	<12	**14**	**6.4**	NT	**7.7**	<0.34	**17**	<3.6	<1.2	<3.6	**20**	**43**
15	MW-6	0-2 ft	PNG003:MW6:S000020	5/26/2011		**21,000**	<12	**16**	**110**	**0.95**	<12	**34**	**13**	<1.2	**22**	<0.34	**26**	<3.6	<1.2	<3.6	**81**	**81**
		4-6 ft	PNG003:MW6:S040060	5/26/2011		**1,600**	<10	<5.1	<10	<0.41	<10	<10	<5.1	<1	<5.1	<0.3	<5.1	<3	<1	<3	**5.6**	**13**
		28-30 ft	PNG003:MW6:S280300	5/26/2011		**2,100**	<10	<5.2	<10	<0.42	<10	<10	<5.2	<1	<5.2	<0.29	<5.2	<3.1	<1	<3.1	**11**	**16**
19	MW-8	0.5-2 ft	PNG003:MW8:S005020	5/25/2011		**2,100**	<10	<5.1	<10	<0.41	<10	<10	<5.1	<1	<5.1	<0.31	**5.2**	<3.1	<1	<3.1	**7.2**	**17**
		4-5 ft	PNG003:MW8:S040060	5/25/2011		**2,100**	<10	<5	<10	<0.4	<10	<10	<5	<1	<5	<0.28	**5**	<3	<1	<3	**6**	**18**
		18-20 ft	PNG003:MW8:S180200	5/25/2011		**1,800**	<10	<5.1	<10	<0.41	<10	<10	<5.1	<1	<5.1	<0.28	<5.1	<3.1	<1	<3.1	**8.4**	**14**
1	SB-1	0-2 ft	PNG003:SB1:S000020	5/24/2011		**4,800**	<11	**7.8**	**26**	<0.44	<11	**15**	<5.4	NT	<27	<0.32	**9.1**	<3.3	<1.1	<3.3	**15**	**37**
		4-6 ft	PNG003:SB1:S040060	5/24/2011		**2,800**	<11	**5.9**	**14**	<0.42	<11	<11	<5.3	NT	<26	<0.3	**6.6**	<3.2	<1.1	<3.2	**9.5**	<26
6	SB-4	0-2 ft	PNG003:SB4:S000020	5/24/2011		**10,000**	<10	**9.8**	**70**	0.49	<10	**13**	**7.5**	NT	**14**	<0.32	**13**	<3.1	<1	<3.1	**27**	**45**
		8-10 ft	PNG003:SB4:S080100	5/24/2011		**2,000**	<10	<5.2	<10	<0.41	<10	<10	<5.2	NT	<26	<0.3	**5.7**	<3.1	<1	<3.1	**7.2**	<26
6	SB-5	0-2 ft	PNG003:SB5:S000020	5/24/2011		**3,400**	<11	**12**	**19**	<0.42	<11	<11	**9.2**	NT	**8.2**	<0.31	**10**	<3.2	<1.1	<3.2	**13**	**42**
		6-8 ft	PNG003:SB5:S060080	5/24/2011		**2,200**	<10	<5.1	<10	<0.41	<10	<10	<5.1	NT	<5.1	<0.3	**6.8**	<3.1	<1	<3.1	**14**	**40**
8	SB-6	0-2 ft	PNG003:SB6:S000020	5/25/2011		NT	NT	NT	NT	NT	NT	<2.1	NT	NT	NT	NT	<5.2	NT	NT	NT	NT	NT
		6-8 ft	PNG003:SB6:S060080	5/25/2011		NT	NT	NT	NT	NT	NT	**11**	NT	NT	NT	NT	**7.8**	NT	NT	NT	NT	NT
8	SB-7	0-2 ft	PNG003:SB7:S000020	5/25/2011		NT	NT	NT	NT	NT	NT	**3.2**	NT	NT	NT	NT	<5.2	NT	NT	NT	NT	NT
		8-10 ft	PNG003:SB7:S080100	5/25/2011		NT	NT	NT	NT	NT	NT	**8.7**	NT	NT	NT	NT	**15**	NT	NT	NT	NT	NT
12	SB-13	0-2 ft	PNG003:SB13:S000020	5/24/2011		**9,100**	<11	**8.5**	**53**	<0.44	<11	**11**	**6**	NT	**10**	<0.32	**13**	<3.3	<1.1	<3.3	**24**	**40**
		6-8 ft	PNG003:SB13:S060080	5/24/2011		**1,700**	<10	<5.1	<10	<0.41	<10	<10	<5.1	NT	<26	<0.29	**5.7**	<3.1	<1	<3.1	**11**	<26
13	SB-14	0-2 ft	PNG003:SB14:S000020	5/25/2011		**6,000**	<11	**12**	**36**	<0.44	<11	<11	<5.5	NT	**9.2**	<0.33	**12**	<3.3	<1.1	<3.3	**17**	**34**
		6-8 ft	PNG003:SB14:S060080	5/25/2011		**21,000**	<12	**18**	**91**	**0.8**	<12	**23**	**9.1**	NT	21	<0.36	**29**	<3.6	<1.2	<3.6	**44**	**87**
10	SB-15	0-2 ft	PNG003:SB15:SO00020	5/23/2011		**2,900**	<11	<5.5	**15**	<0.44	<11	<11	<5.5	NT	<5.5	<0.32	**6**	<3.3	<1.1	<3.3	**10**	**25**
		4-6 ft	PNG003:SB15:SO40060	5/23/2011		**3,700**	<11	<5.3	**16**	<0.42	<11	<11	<5.3	NT	<5.3	<0.3	**10**	<3.2	<1.1	<3.2	**14**	**28**
15	SB-18	0-1.3 ft	PNG003:SB-18:S000013	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
		8-10.1 ft	PNG003:SB-18:S080101	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.2	NT	NT	NT	NT	NT	NT	NT	NT
		12-14.3 ft	PNG003:SB-18:S120143	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1	NT	NT	NT	NT	NT	NT	NT	NT
15	SB-19	0-2 ft	PNG003:SB-19:S000020	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
		4-6 ft	PNG003:SB-19:S040060	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
15	SB-20	0-1.9 ft	PNG003:SB-20:S000019	6/3/2011		**5,600**	<13	**6.4**	**26**	<0.51	<13	<13	<6.3	<1.3	7	<0.36	**8**	<3.8	<1.3	<3.8	**17**	**26**
		8-10 ft	PNG003:SB-20:S080100	6/3/2011		**2,500**	<10	<5.2	<10	<0.42	<10	<10	<5.2	<1	<5.2	<0.31	**6.2**	<3.1	<1	<3.1	**9**	**23**
15	SB-21	0-2 ft	PNG003:SB-21:S000020	6/3/2011		**3,700**	<11	**6.7**	**110**	<0.44	<11	<11	<5.5	<1.1	5.9	<0.32	**8.8**	<3.3	<1.1	<3.3	**12**	**27**
		4-5.8 ft	PNG003:SB-21:S040058	6/3/2011		**2,300**	<12	**6.6**	<12	<0.47	<12	<12	<5.9	<1.2	<5.9	<0.35	**7.2**	<3.5	<1.2	<3.5	**9**	**26**
		12-14.2 ft	PNG003:SB-21:S120142	6/3/2011		**1,300**	<12	<6.1	<12	<0.49	<12	<12	<6.1	<1.2	<6.1	<0.34	<6.1	<3.7	<1.2	<3.7	**6.2**	**12**
15	SB-22	0-2 ft	PNG003:SB-22:S000020	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
		8-10 ft	PNG003:SB-22:S080100	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.2	NT	NT	NT	NT	NT	NT	NT	NT
15	SB-23	0-2 ft	PNG003:SB-23:S000020	6/3/2011		**2,800**	<11	**5.6**	**12**	<0.43	<11	<11	<5.4	<1.1	**11**	<0.32	**6.9**	<3.2	<1.1	<3.2	**9.7**	**25**
		4-6 ft	PNG003:SB-23:S040060	6/3/2011		**2,600**	<13	<6.7	<13	<0.53	<13	<13	<6.7	<1.4	<6.7	<0.36	**7.8**	<4	<1.3	<4	<6.7	**17**
15	SB-24	0-1.2 ft	PNG003:SB-24:S000012	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
		4-6 ft	PNG003:SB-24:S040060	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
		12-13.9 ft	PNG003:SB-24:S120139	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
15	SB-25	0-1.8 ft	PNG003:SB-25:S000018	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
		8-10 ft	PNG003:SB-25:S080100	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1	NT	NT	NT	NT	NT	NT	NT	NT
15	SB-26	0-1.8 ft	PNG003:SB-26:S000018	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
		4-6.2 ft	PNG003:SB-26:S040062	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
		12-13.9 ft	PNG003:SB-26:S120139	6/3/2011		NT	NT	NT	NT	NT	NT	NT	NT	<1.1	NT	NT	NT	NT	NT	NT	NT	NT
10	SB-27	0-2 ft	PNG003:SB27:S000020	5/24/2011		**1,800**	<11	<5.6	<11	<0.45	<11	<11	<5.6	NT	<5.6	<0.32	<5.6	<3.4	<1.1	<3.4	**8.9**	**15**
		4-6 ft	PNG003:SB27:S040060	5/24/2011		**2,800**	<11	<5.4	<11	<0.43	<11	<11	<5.4	NT	<5.4	<0.31	**7.1**	<3.2	<1.1	<3.2	**7.5**	**21**
40	SB-28	0-2 ft	PNG003:SB28:S000020	5/24/2011		**2,100**	<11	<5.6	<11	<0.45	<11	<11	<5.6	NT	<5.6	<0.32	**5.8**	<3.4	<1.1	<3.4	**8.5**	**18**
		4-6 ft	PNG003:SB28:S040060	5/24/2011		**1,500**	<10	<5.2	<10	<0.42	<10	<10	<5.2	NT	<5.2	<0.29	<5.2	<3.1	<1	<3.1	**7.2**	**12**
18	SB-29	0-2 ft	PNG003:SB29:S000020	5/24/2011		**2,100**	<11	**14**	**11**	<0.43	<11	<11	<5.3	NT	**8.3**	<0.31	**8.2**	<3.2	<1.1	<3.2	**13**	**45**
		4-6 ft	PNG003:SB29:S040060	5/24/2011		**2,200**	<10	<5.2	<10	<0.42	<10	<10	<5.2	NT	<5.2	<0.29	**6.1**	<3.1	<1	<3.1	**7.4**	**20**
18	SB-30	0-2 ft	PNG003:SB30:S000020	5/23/2011		**1,900**	<11	<5.3	<11	<0.42	<11	<11	<5.3	NT	<5.3	<0.31	**6**	<3.2	<1.1	<3.2	**7.7**	**19**
		8-10 ft	PNG003:SB30:S080100	5/23/2011		**2,800**	<11	<5.3	<11	<0.42	<11	<11	<5.3	NT	<5.3	<0.29	**6**	<3.2	<1.1	<3.2	**9.8**	**18**
19	SB-31	0-2 ft	PNG003:SB31:S000020	5/24/2011		**1,800**	<10	<5.1	<10	<0.41	<10	<10	<5.1	NT	<5.1	<0.3	<5.1	<3.1	<1	<3.1	**8.2**	**16**
		6-8 ft	PNG003:SB31:S060080	5/24/2011		**2,400**	<10	<5.2	**19**	<0.41	<10	<10	<5.2	NT	<5.2	<0.3	**9.1**	<3.1	<1	<3.1	**9.1**	**39**
19	SB-32	0-2 ft	PNG003:SB32:S000020	5/24/2011		**1,500**	<10	<5.2	**13**	<0.41	<10	<10	<5.2	NT	<5.2	<0.29	<5.2	<3.1	<1	<3.1	**7.2**	**16**
		8-10 ft	PNG003:SB32:S080100	5/24/2011		**2,300**	<10	<5.2	**67**	<0.42	<10	<10	<5.2	NT	<5.2	<0.3	**6.6**	<3.1	<1	<3.1	**8.6**	**22**
22	SB-34	0-2 ft	PNG003:SB34:S000020	5/24/2011		**2,600**	<11	<5.3	<11	<0.42	<11	<11	<5.3	NT	<5.3	<0.29	**7.5**	<3.2	<1.1	<3.2	**8.7**	**20**
		8-10 ft	PNG003:SB34:S080100	5/24/2011		**800**	<10	<5.2	**85**	<0.41	<10	<10	<5.2	NT	<5.2	<0.31	**5.3**	<3.1	<1	<3.1	**6.6**	**16**
22	SB-35	0-2 ft	PNG003:SB35:S000020	5/24/2011		**1,900**	<10	<5.2	<10	<0.41	<10	<10	<5.2	NT	<5.2	<0.3	**5.9**	<3.1	<1	<3.1	**7.2**	**16**
		6-8 ft	PNG003:SB35:S060080	5/24/2011		**2,000**	<12	**<6**	<12	<0.48	<12	<12	<6	NT	<6	<0.35	**7.1**	<3.6	<1.2	<3.6	**11**	**22**

Notes:

a. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(c).
b. Single Chemical Generic Direct Contact Soil Standard in accordance with 3745-300-08(C)(3)(d).
c. 'NS' - A VAP standard has not been established for this analyte.
d. VAP generic direct contact standard for hexavalent chromium.
e. VAP generic direct contact standard for free cyanide.
f. < - indicates less than detection limit or practical quantitation limit, as appropriate.
g NT- Not tested.
h. **BOLD** indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 6

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN SOIL (mg/kg)

Identified Area	Station Name	Sample Depth (ft bgs)	Sample ID	Sample Date	Parameter	TPH C06-C12 (mg/kg)	TPH C10-C20 (mg/kg)	TPH C20-C34 (mg/kg)
					Residual Soil Saturation Concentration for Sand and Gravel Soil (mg/kg)	1,000[a]	2,000[b]	5,000[c]
3	MW-1	0.5-2 ft	PNG003:MW1:S005020	5/24/2011		NT[d]	<17[e]	<17
		4-6 ft	PNG003:MW1:S040060	5/24/2011		NT	<15	<15
		28-30 ft	PNG003:MW1:S280300	5/24/2011		NT	<16	<16
5	MW-2	0.5-2 ft	PNG003:MW2:S005020	5/26/2011		<2.3	<17	<17
		6-8 ft	PNG003:MW2:S060080	5/26/2011		<2.1	<16	<16
		17-18 ft	PNG003:MW2:S170180	5/26/2011		<2.4	<18	<18
10	MW-3	0.5-2 ft	PNG003:MW3:S005020	5/24/2011		NT	<18	**28**
		8-10 ft	PNG003:MW3:S080100	5/24/2011		NT	<16	<16
		25-26.2 ft	PNG003:MW3:S250262	5/24/2011		NT	<16	<16
11	MW-4	0.5-2 ft	PNG003:MW4:S005020	5/25/2011		NT	<16	<16
		4-5.3 ft	PNG003:MW4:S040053	5/25/2011		NT	<16	<16
		22-23.3 ft	PNG003:MW4:S220233	5/25/2011		NT	<16	<16
14	MW-5	0.5-2 ft	PNG003:MW5:S005O20	5/25/2011		NT	<16	<16
		8-10 ft	PNG003:MW5:S080100	5/25/2011		NT	<16	<16
		22-23 ft	PNG003:MW5:S220230	5/25/2011		NT	<16	<16
15	MW-6	0-2 ft	PNG003:MW6:S000020	5/26/2011		<2.4	<18	<18
		4-6 ft	PNG003:MW6:S040060	5/26/2011		<2.1	<15	<15
		28-30 ft	PNG003:MW6:S280300	5/26/2011		<2.1	<16	<16
17	MW-7	0.3-2 ft	PNG003:MW7:S003020	5/24/2011		<2.4	<18	<18
		2-4 ft	PNG003:MW7:S020040	5/24/2011		<2.1	<16	<16
		24-25.9 ft	PNG003:MW7:S240259	5/24/2011		<2.1	<16	<16
19	MW-8	0.5-2 ft	PNG003:MW8:S005020	5/25/2011		<2	<15	**19**
		4-6 ft	PNG003:MW8:S040060	5/25/2011		<2.1	<15	<15
		18-20 ft	PNG003:MW8:S180200	5/25/2011		<2.1	<15	<15
3	SB-2	0-2 ft	PNG003:SB2:S000020	5/24/2011		NT	<16	<16
		4-6 ft	PNG003:SB2:S040060	5/24/2011		NT	<16	<16
		14-16 ft	PNG003:SB2:S140160	5/25/2011		NT	<16	<16
4	SB-3	0-2 ft	PNG003:SB3:S000020	5/25/2011		NT	<16	**33**
		4-6 ft	PNG003:SB3:S040060	5/25/2011		NT	<18	<18
		18-20 ft	PNG003:SB3:S180200	5/25/2011		NT	**17**	**83**
6	SB-4	0-2 ft	PNG003:SB4:S000020	5/24/2011		NT	<16	**18**
		8-10 ft	PNG003:SB4:S080100	5/24/2011		NT	<16	<16
6	SB-5	0-2 ft	PNG003:SB5:S000020	5/24/2011		NT	<16	**28**
		6-8 ft	PNG003:SB5:S060080	5/24/2011		NT	<16	<16
10	SB-8	0-2 ft	PNG003:SB8:S000020	5/25/2011		NT	<17	<17
		4-6 ft	PNG003:SB8:S040060	5/25/2011		NT	<16	<16
10	SB-9	0-2 ft	PNG003:SB9:S000020	5/25/2011		NT	<17	<17
		6-8 ft	PNG003:SB9:S060080	5/25/2011		NT	<15	<15
11	SB-10	0-2 ft	PNG003:SB10:SO00020	5/23/2011		NT	<17	<17
		2-4 ft	PNG003:SB10:SO20040	5/23/2011		NT	<16	<16
11	SB-11	0-2 ft	PNG003:SB11:SO00020	5/23/2011		NT	<16	<16
		4-6 ft	PNG003:SB11:SO40060	5/23/2011		NT	<16	<16
11	SB-12	0-2 ft	PNG003:SB12:SO00020	5/23/2011		NT	<16	<16
		2-4 ft	PNG003:SB12:SO20040	5/23/2011		NT	<16	<16
12	SB-13	0-2 ft	PNG003:SB13:S000020	5/24/2011		NT	<17	<17
		6-8 ft	PNG003:SB13:S060080	5/24/2011		NT	<16	<16
10	SB-15	0-2 ft	PNG003:SB15:SO00020	5/23/2011		NT	<17	<17
		4-6 ft	PNG003:SB15:SO40060	5/23/2011		NT	<16	**17**
14	SB-16	0-2 ft	PNG003:SB16:SO00020	5/23/2011		NT	**48**	**72**
		4-6 ft	PNG003:SB16:SO40060	5/23/2011		NT	**310**	**55**
14	SB-17	0-2 ft	PNG003:SB17:SO00020	5/23/2011		NT	**24**	**88**
		8-10 ft	PNG003:SB17:SO80100	5/23/2011		NT	<16	<16
15	SB-18	0-1.3 ft	PNG003:SB-18:S000013	6/3/2011		<2.1	<16	<16
		8-10.1 ft	PNG003:SB-18:S080101	6/3/2011		<2.5	<19	<19
		12-14.3 ft	PNG003:SB-18:S120143	6/3/2011		<2.1	<16	<16
15	SB-19	0-2 ft	PNG003:SB-19:S000020	6/3/2011		<2.2	<16	<16
		4-6 ft	PNG003:SB-19:S040060	6/3/2011		<2.1	<16	<16
15	SB-20	0-1.9 ft	PNG003:SB-20:S000019	6/3/2011		<2.5	<19	**38**
		8-10 ft	PNG003:SB-20:S080100	6/3/2011		<2.1	<16	<16
15	SB-21	0-2 ft	PNG003:SB-21:S000020	6/3/2011		<2.2	<16	<16
		4-5.8 ft	PNG003:SB-21:S040058	6/3/2011		<2.4	<18	<18
		12-14.2 ft	PNG003:SB-21:S120142	6/3/2011		<2.5	<19	<19
15	SB-22	0-2 ft	PNG003:SB-22:S000020	6/3/2011		<2.2	<17	<17
		8-10 ft	PNG003:SB-22:S080100	6/3/2011		<2.4	<18	<18
15	SB-23	0-2 ft	PNG003:SB-23:S000020	6/3/2011		<2.2	<16	<16
		4-6 ft	PNG003:SB-23:S040060	6/3/2011		<2.7	<20	<20
15	SB-24	0-1.2 ft	PNG003:SB-24:S000012	6/3/2011		<2.3	<17	<17
		4-6 ft	PNG003:SB-24:S040060	6/3/2011		<2.1	<16	<16
		12-13.9 ft	PNG003:SB-24:S120139	6/3/2011		<2.1	<16	<16
15	SB-25	0-1.8 ft	PNG003:SB-25:S000018	6/3/2011		<2.2	<16	<16
		8-10 ft	PNG003:SB-25:S080100	6/3/2011		<2.1	<16	<16
15	SB-26	0-1.8 ft	PNG003:SB-26:S000018	6/3/2011		<2.2	<16	**20**
		4-6.2 ft	PNG003:SB-26:S040062	6/3/2011		<2.1	<16	<16
		12-13.9 ft	PNG003:SB-26:S120139	6/3/2011		<2.1	<16	<16
10	SB-27	0-2 ft	PNG003:SB27:S000020	5/24/2011		NT	**580**	**790**
		4-6 ft	PNG003:SB27:S040060	5/24/2011		NT	**720**	**1,700**
10	SB-28	0-2 ft	PNG003:SB28:S000020	5/24/2011		NT	<17	**29**
		4-6 ft	PNG003:SB28:S040060	5/24/2011		NT	<16	**30**
18	SB-29	0-2 ft	PNG003:SB29:S000020	5/24/2011		<2.1	<16	<16
		4-6 ft	PNG003:SB29:S040060	5/24/2011		<2.1	<16	<16
18	SB-30	0-2 ft	PNG003:SB30:S000020	5/23/2011		<2.2	<16	**21**
		8-10 ft	PNG003:SB30:S080100	5/23/2011		<2.1	<16	**17**
19	SB-31	0-2 ft	PNG003:SB31:S000020	5/24/2011		<2.1	<16	<16
		6-8 ft	PNG003:SB31:S060080	5/24/2011		<2.1	<16	<16
19	SB-32	0-2 ft	PNG003:SB32:S000020	5/24/2011		<2.1	<16	<16
		8-10 ft	PNG003:SB32:S080100	5/24/2011		<2.1	<16	<16
20	SB-33	0-2 ft	PNG003:SB33:S000020	5/23/2011		NT	<16	**150**
		2-4 ft	PNG003:SB33:S020040	5/23/2011		NT	<15	**39**
		12-14 ft	PNG003:SB33:S120140	5/23/2011		NT	<16	**18**
22	SB-34	0-2 ft	PNG003:SB34:S000020	5/24/2011		<2.1	<16	<16
		8-10 ft	PNG003:SB34:S080100	5/24/2011		<2.1	<15	<15
22	SB-35	0-2 ft	PNG003:SB35:S000020	5/24/2011		<2.1	<16	**18**
		6-8 ft	PNG003:SB35:S060080	5/24/2011		<2.4	<18	**22**

increasing w/depth

prior exceedances very high @ surface but down to 39' by fmr UST

No FP in MW-2 though

Notes:

a. VAP value of the lightweight petroleum fraction in a sand/gravel soil, Table 1 OAC 3745-300-09.
b. VAP value of the middleweight petroleum fraction in a sand/gravel soil, Table 1 OAC 3745-300-09.
c. VAP value of the heavyweight petroleum fraction in a sand/gravel soil, Table 1 OAC 3745-300-09.
d. NT- Not tested.
e. < - indicates less than detection limit or practical quantitation limit, as appropriate.
f. **BOLD** indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 7

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER

Parameter	CAS Registry	VAP Unrestricted Potable Use Standard[a] (ug/L)	Station ID	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
			Sample ID	PNG003:MW1:G05 3111	PNG003:MW2:G0 53111	PNG003:MW3:G0 60111	PNG003:MW3:G06 0111A	PNG003:MW4:G05 3111	PNG003:MW5:G05 3111	PNG003:MW6:G0 60111	PNG003:MW7:G0 60111	PNG003:MW8:G 053111
			Sample Date	5/31/2011	5/31/2011	6/1/2011	6/1/2011	5/31/2011	5/31/2011	6/1/2011	6/1/2011	6/1/2011
VOCs												
1,1,1,2-Tetrachloroethane	630-20-6	56		<5[c]	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane	71-55-6	200		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	79-34-5	7		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichlorethane	79-00-5	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	75-34-3	250		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	75-35-4	7		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene	563-58-6	NS[b]		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene	87-61-6	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	96-18-4	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	120-82-1	70		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethyl-benzene	95-63-6	140		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane	96-12-8	0.2		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromoethane	106-93-4	0.05		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	95-50-1	600		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	107-06-2	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	78-87-5	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene	108-67-8	140		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	541-73-1	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane	142-28-9	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	106-46-7	75		<5	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane	594-20-7	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	78-93-3	8,900		<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chlorotoluene	95-49-8	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Chlorotoluene	106-43-4	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Isopropyltoluene	99-87-6	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	108-10-1	1,200		6.5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	67-64-1	14,000		<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	71-43-2	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromobenzene	108-86-1	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	75-27-4	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Butylbenzene	104-51-8	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	75-15-0	1,400		<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	56-23-5	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	108-90-7	100		<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane	75-00-3	550		<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	67-66-3	40		<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	156-59-2	70		<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	124-48-1	19		<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane	75-71-8	2,100		<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	100-41-4	700		<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloro-1,3-butadiene	87-68-3	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene	98-82-8	1,400		<5	<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	179601-23-1	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Bromide	74-83-9	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	74-87-3	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Bromide	74-95-3	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl-tert-butyl-ether	1634-04-4	40		<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	91-20-3	67		<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene	103-65-1	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	95-47-6	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene	135-98-8	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	100-42-5	100		<5	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene	98-06-6	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	127-18-4	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	108-88-3	1,000		<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	156-60-5	100		<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	NS		<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	79-01-6	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane	75-69-4	3,800		<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Chloride	75-01-4	2		<2	<2	<2	<2	<2	<2	<2	<2	<2
Xylene	1330-20-7	10,000		<5	<5	<5	<5	<5	<5	<5	<5	<5

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 7

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER

Parameter	CAS Registry	VAP Unrestricted Potable Use Standard[a] (µg/L)	Station ID	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
			Sample ID	PNG003:MW1:G05 3111	PNG003:MW2:G0 53111	PNG003:MW3:G0 60111	PNG003:MW3:G06 0111A	PNG003:MW4:G05 3111	PNG003:MW5:G05 3111	PNG003:MW6:G0 60111	PNG003:MW7:G0 60111	PNG003:MW8:G 053111
			Sample Date	5/31/2011	5/31/2011	6/1/2011	6/1/2011	5/31/2011	5/31/2011	6/1/2011	6/1/2011	6/1/2011
SVOCs												
1-Methylnaphthalene	90-12-0	1,100		**1.4**	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**260**
2-Methylnaphthalene	91-57-6	NS		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**8.2**
Acenaphthene	83-32-9	950		**3.5**	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**9.5**
Acenaphthylene	208-96-8	NS		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Anthracene	120-12-7	4,700		**0.11 J[d]**	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**0.49**
Benzo(a)anthracene	56-55-3	0.63		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Benzo(a)pyrene	50-32-8	0.2		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Benzo(b)fluoranthene	205-99-2	0.46		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Benzo(g,h,i)perylene	191-24-2	NS		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Benzo(k)fluoranthene	207-08-9	22		<0.17	<0.18	<0.18	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18
Carbazole	86-74-8	79		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**0.43**
Chrysene	218-01-9	63		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dibenz(a,h)anthracene	53-70-3	NS		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dibenzofuran	132-64-9	NS		**1.6**	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**6.6**
Fluoranthene	206-44-0	420		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Fluorene	86-73-7	630		**3.5**	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**10**
Indeno(1,2,3-cd)pyrene	193-39-5	0.34		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Naphthalene	91-20-3	67		**0.5**	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**5.2**
Phenanthrene	85-01-8	NS		**0.12**	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**9.8**
Pyrene	129-00-0	470		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
PCBs												
Aroclor 1016	12674-11-2	NS		<0.54	<0.63	<0.61	<0.67	<0.66	<0.63	<0.64	<0.62	<0.61
Aroclor 1221	11104-28-2	NS		<0.54	<0.63	<0.61	<0.67	<0.66	<0.63	<0.64	<0.62	<0.61
Aroclor 1232	11141-16-5	NS		<0.54	<0.63	<0.61	<0.67	<0.66	<0.63	<0.64	<0.62	<0.61
Aroclor 1242	53469-21-9	NS		<0.54	<0.63	<0.61	<0.67	<0.66	<0.63	<0.64	<0.62	<0.61
Aroclor 1248	12672-29-6	NS		<0.54	<0.63	<0.61	<0.67	<0.66	<0.63	<0.64	<0.62	<0.61
Aroclor 1254	11097-69-1	NS		<0.54	<0.63	<0.61	<0.67	<0.66	<0.63	<0.64	<0.62	<0.61
Aroclor 1260	11096-82-5	NS		<0.54	<0.63	<0.61	<0.67	<0.66	<0.63	<0.64	<0.62	<0.61
Metals												
Aluminum	7429-90-5	NS		**1,400**	**1,300**	**1,100**	**1,100**	**1,000**	**1,100**	**930**	**1,100**	**1,200**
Antimony	7440-36-0	6		<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic	7440-38-2	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
Barium	7440-39-3	2,000		**590**	**140**	**110**	**110**	<100	120	<100	**120**	**240**
Beryllium	7440-41-7	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
Cadmium	7440-43-9	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium	7440-47-3	100		<20	<20	<20	<20	<20	<20	<20	<20	<20
Cobalt	7440-48-4	320		<50	<50	<50	<50	<50	<50	<50	<50	<50
Lead	7439-92-1	15		<15	<15	<15	<15	<15	<15	<15	<15	<15
Mercury	7439-97-6	2		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel	7440-02-0	320		<40	<40	<40	<40	<40	<40	<40	<40	<40
Selenium	7782-49-2	50		<30	<30	<30	<30	<30	<30	<30	<30	<30
Silver	7440-22-4	79		<10	<10	<10	<10	<10	<10	<10	<10	<10
Thallium	7440-28-0	2		<2	<2	<2	<2	<2	<2	<2	<2	<2
Vanadium	7440-62-2	130		<50	<50	<50	<50	<50	<50	<50	<50	<50
Zinc	7440-66-6	4,700		<50	<50	<50	<50	<50	<50	<50	<50	<50

Notes:

a. Ohio VAP generic and risk-derived generic standards in accordance with Proposed 3745-300-08(D)(3)(b) and (c).
b. 'NS' - A VAP standard has not been established for this analyte.
c. < - indicates less than detection limit or practical quantitation limit, as appropriate.
d. J qualified data indicates that the analyte was detected at a concentration below quantitation limit.
e. **BOLD** indicates detected concentration.

PHASE II DATA GAP ASSESSMENT
FORMER DELPHI AUTOMOTIVE PROPERTY
3100 NEEDMORE ROAD, DAYTON, OHIO

TABLE 8

SUMMARY OF WELL CONSTRUCTION INFORMATION AND WATER ELEVATIONS

Well ID	Well Diameter (in.)	Northing[a]	Easting[a]	Screen Length[b] (ft)	Total Depth[c] (ft.)	Top of Casing Elevation[d]	Date	Depth to Water from TOC[f] (ft.)	Groundwater Elevation (ft.)
MW-1	2	665648.92	1498807.58	20	46.10	770.89	5/31/2011	28.00	742.89
MW-2	2	665213.59	1498577.07	20	44.60	766.68	5/31/2011	23.79	742.89
MW-3	2	665014.10	1499348.73	20	44.45	771.00	5/31/2011	28.56	742.44
MW-4	2	666485.95	1498848.96	20	43.67	770.89	5/31/2011	27.65	743.24
MW-5	2	999578.72	1498411.09	20	40.28	767.28	5/31/2011	23.52	743.76
MW-6	2	664543.60	1498526.71	20	46.60	771.15	5/31/2011	28.56	742.59
MW-7	2	665505.07	1499463.98	20	44.27	770.84	5/31/2011	28.34	742.50
MW-8	2	665800.68	1498540.66	20	39.25	766.50	5/31/2011	23.37	743.13

FIGURES

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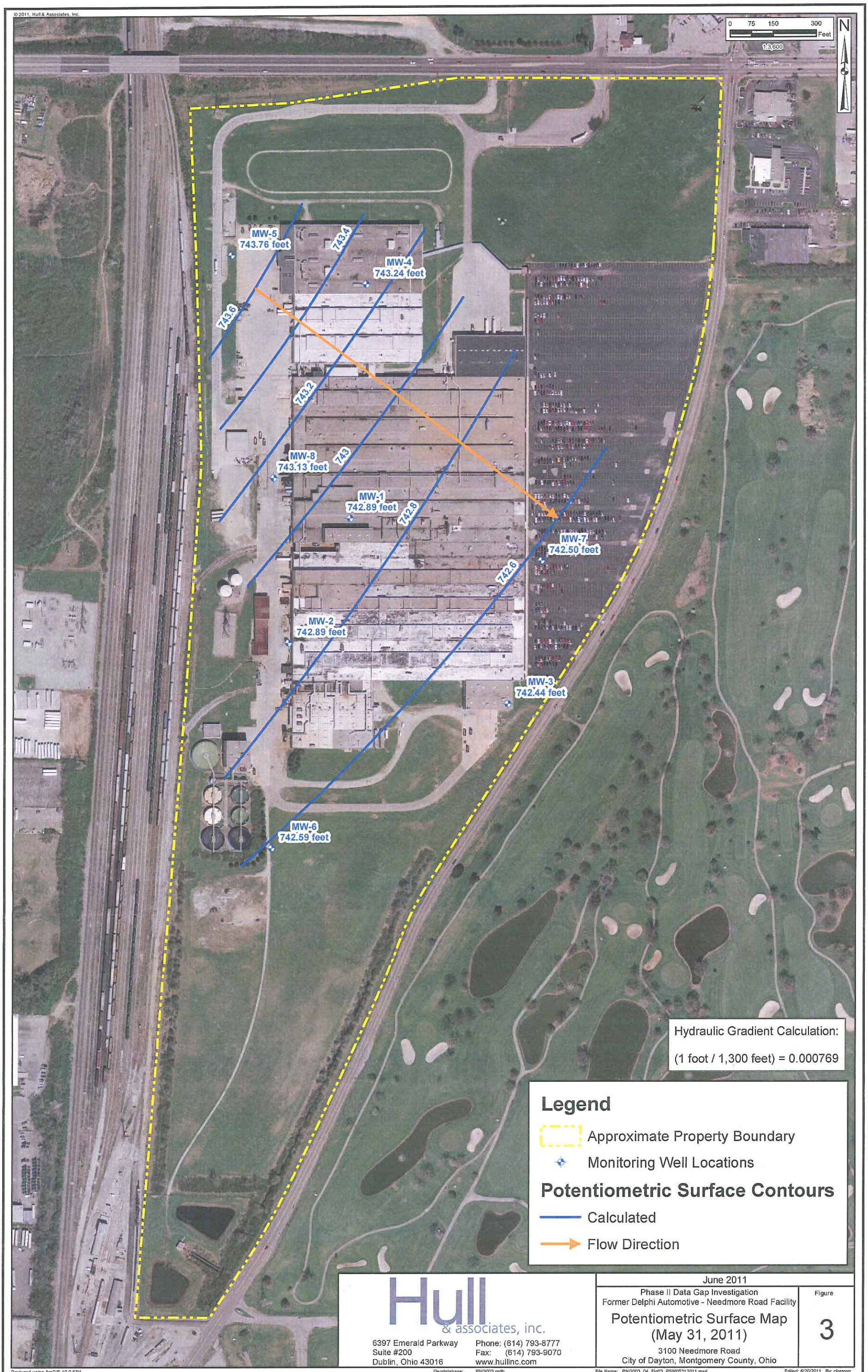

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June 2011

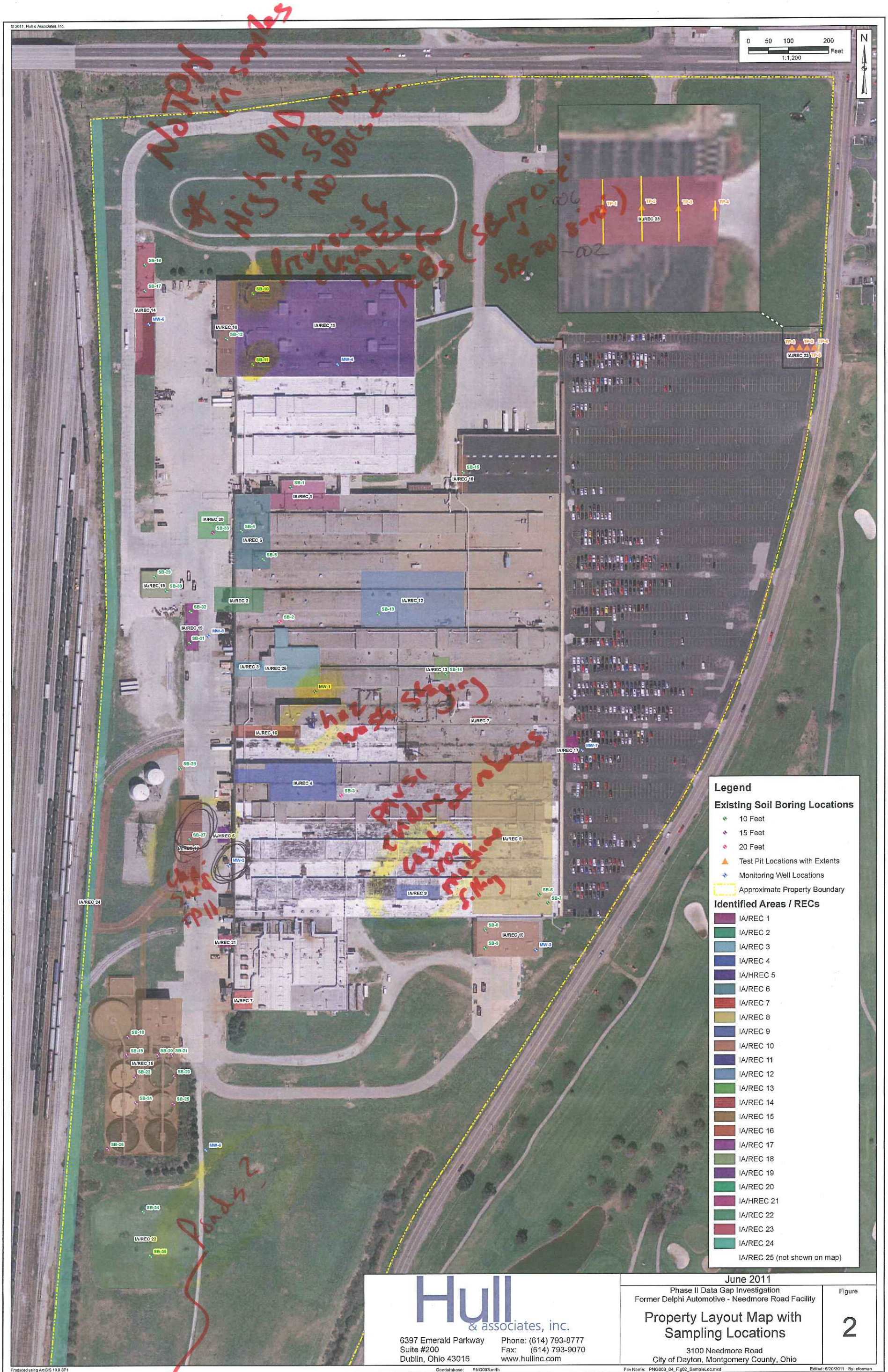
Phase II Data Gap Investigation
Former Delphi Automotive - Needmore Road Facility

Potentiometric Surface Map
(May 31, 2011)

3100 Needmore Road
City of Dayton, Montgomery County, Ohio

Figure 3

Produced using ArcGIS 10.0 SP1 Geodatabase: PNG003.mdb File Name: PNG003_04_Fig03_PSM05312011.mxd Edited: 6/20/2011 By: cforman


© 2011, Hull & Associates, Inc.
0 50 100 200 Feet
1:1,200
N
Legend
Existing Soil Boring Locations
10 Feet
15 Feet
20 Feet
Test Pit Locations with Extents
Monitoring Well Locations
Approximate Property Boundary
Identified Areas / RECs
IA/REC 1
IA/REC 2
IA/REC 3
IA/REC 4
IA/HREC 5
IA/REC 6
IA/REC 7
IA/REC 8
IA/REC 9
IA/REC 10
IA/REC 11
IA/REC 12
IA/REC 13
IA/REC 14
IA/REC 15
IA/REC 16
IA/REC 17
IA/REC 18
IA/REC 19
IA/REC 20
IA/HREC 21
IA/REC 22
IA/REC 23
IA/REC 24
IA/REC 25 (not shown on map)
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June 2011
Phase II Data Gap Investigation
Former Delphi Automotive - Needmore Road Facility
Property Layout Map with Sampling Locations
3100 Needmore Road
City of Dayton, Montgomery County, Ohio
Figure
2
Produced using ArcGIS 10.0 SP1
Geodatabase: PNG003.mdb
File Name: PNG003_04_Fig02_SampleLoc.mxd
Edited: 6/20/2011 By: cforman

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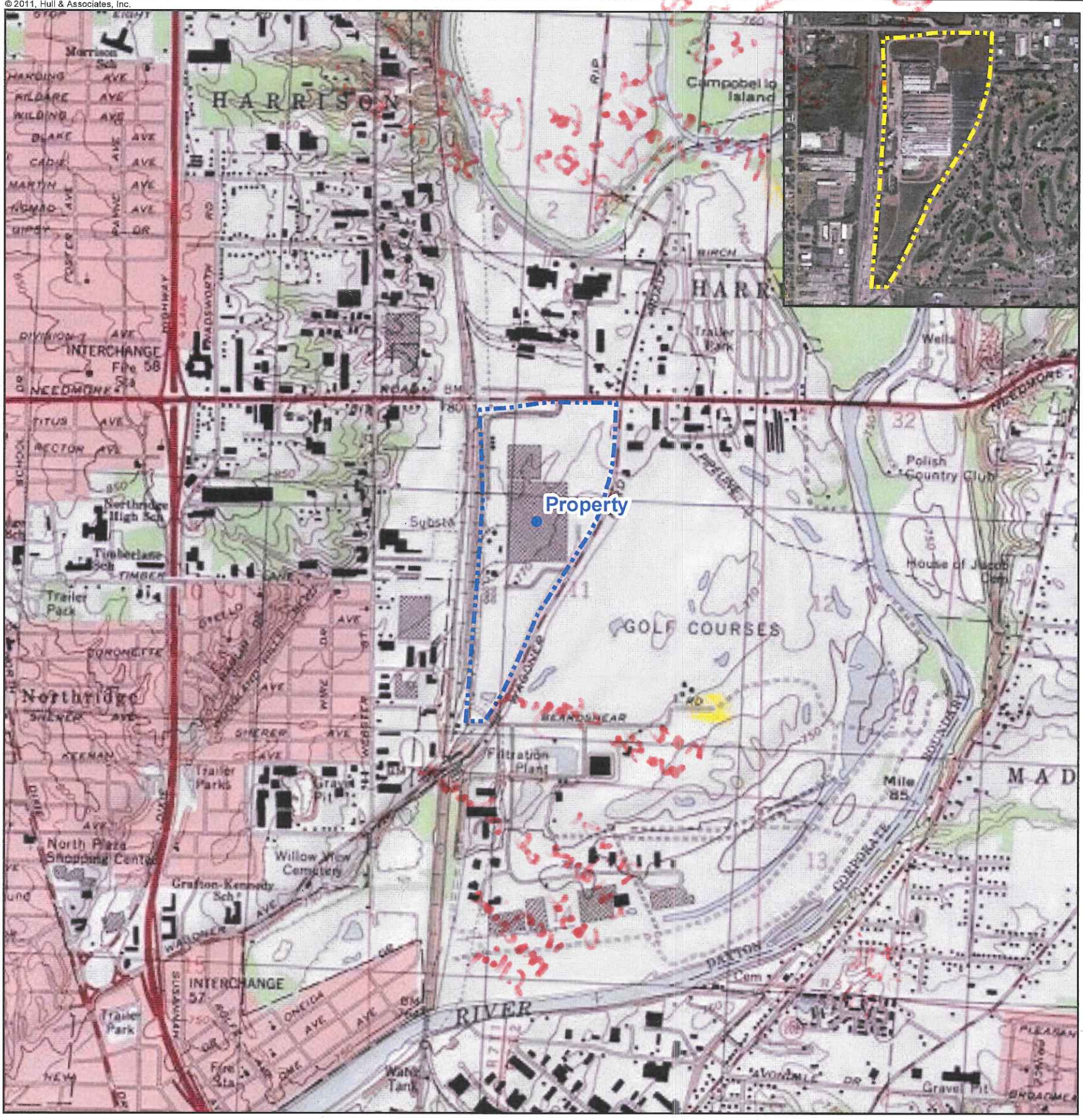

Ohio

Legend
- Property Location
- Approximate Property Boundary

Source: The topographic map was acquired through the USGS Topographic Map web service. Topo quadrangle date not provided.

The aerial photo in the inset was acquired through the Microsoft Virtual Earth Aerial Photogrpahy web service. Aerial photography date not provided.

0 500 1,000 2,000 Feet
1:24,000

N

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Phase II Data Gap Investigation
Former Delphi Automotive - Needmore Road Facility

Property Location Map

3100 Needmore Road
City of Dayton, Montgomery County, Ohio

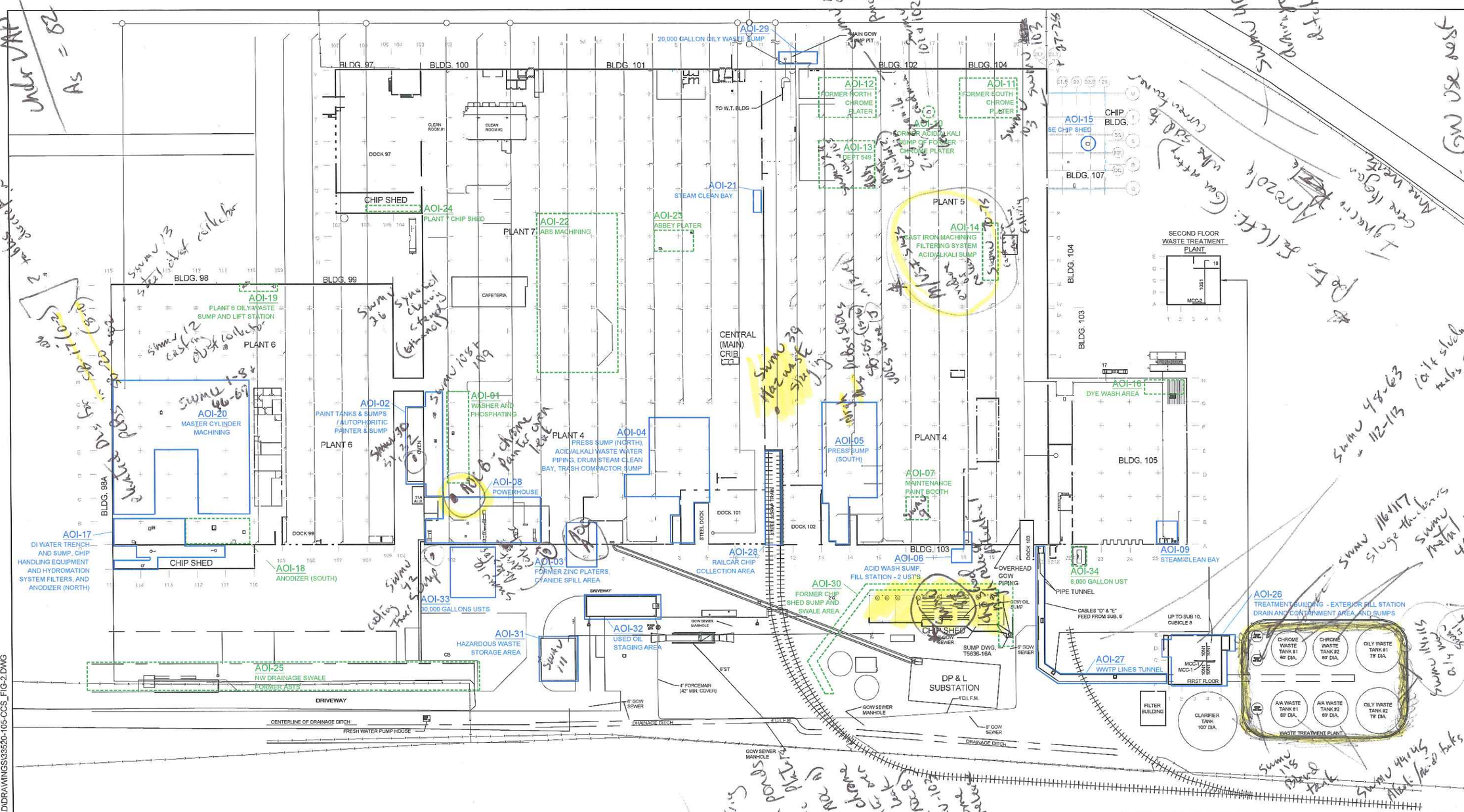
Date: June 2011

File Name: PNG003_04_Fig01_PropLocMap.mxd

Edited: 6/20/2011 By: cforman

Figure 1

Produced using ArcGIS 10.0 SP1



LEGEND:

AREA OF INTEREST (AOI) (FURTHER INVESTIGATION NEEDED)

AOI (NO FURTHER INVESTIGATION REQUIRED)

NOTES:

1. FEATURES AND SITE LAYOUT PRESENTED IN THE BASE PLAN ARE APPROXIMATE AND BASED ON FACILITY DRAWINGS AND SITE OBSERVATIONS. LOCATIONS MAY VARY FROM SURVEY COORDINATES.

HALEY & ALDRICH

DELPHI AUTOMOTIVE HOLDINGS GROUP
NEEDMORE ROAD FACILITY
3100 NEEDMORE ROAD
DAYTON, OHIO

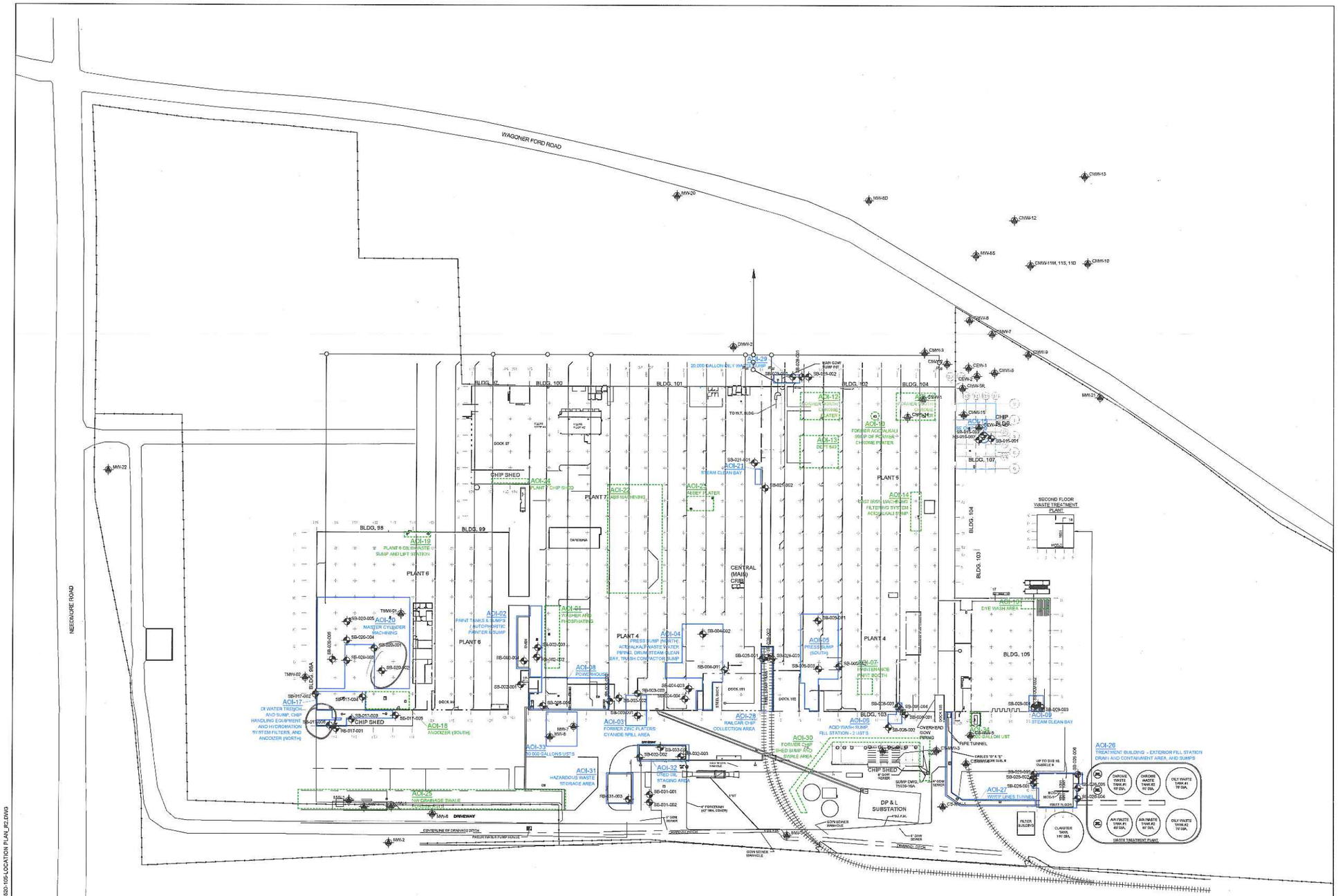
SITE PLAN SHOWING AOI LOCATIONS

SCALE: AS SHOWN
DECEMBER 2006

FIGURE 2

G:\33520_DELPHI\105_NEEDMORE\CAD\DRAWINGS\33520-105-CCS_FIG-2.DWG

Dayton Real Estate Ventures LLC
subsidiary of Penn National Gaming, Inc.


WAGONER FORD ROAD
NEEDMORE ROAD
BLDG. 98
BLDG. 99
BLDG. 100
BLDG. 101
BLDG. 102
BLDG. 103
BLDG. 104
BLDG. 105
BLDG. 107
PLANT 6
PLANT 7
PLANT 5
PLANT 4
CHIP SHED
CENTRAL (MAIN) CRIB
DP & L SUBSTATION
AOI-19
PLANT 6 OIL/WASTE SUMP AND LIFT STATION
AOI-20
MASTER CYLINDER MACHINING
AOI-02
PAINT TANKS & SUMPS / AUTOPHORETIC PAINTER SUMP
AOI-01
WASHER AND PHOSPHATING
AOI-04
PRESS SUMP (NORTH) ACID/ALKALI WASTE WATER PIPING, DRUM STEAM CLEAN BAY, TRASH COMPACTOR SUMP
AOI-05
PRESS SUMP (SOUTH)
AOI-07
MAINTENANCE PAINT BOOTH
AOI-08
POWERHOUSE
AOI-17
DI WATER TRENCH AND SUMP, CHIP HANDLING EQUIPMENT AND HYDROMATION SYSTEM FILTERS, AND ANODIZER (NORTH)
AOI-18
ANODIZER (SOUTH)
AOI-03
FORMER ZINC PLATERS CYANIDE SPILL AREA
AOI-28
RAILCAR CHIP COLLECTION AREA
AOI-06
ACID WASH SUMP FILL STATION - 2 USTS
AOI-30
FORMER CHIP SHED SUMP AND SWALE AREA
AOI-33
50,000 GALLONS USTS
AOI-31
HAZARDOUS WASTE STORAGE AREA
AOI-32
DRIED OIL STAGING AREA
AOI-25
NW DRAINAGE SWALE
AOI-24
PLANT 7 CHIP SHED
AOI-22
LABIR MACHINING
AOI-21
STEAM CLEAN BAY
AOI-24
ASSET PLATER
AOI-12
ASSEMBLY PLATER CHROME PLATER
AOI-13
DEPT 643
AOI-10
FORMER ACID/ALKALI SUMP OF PCI/TIER - CHROME PLATER
AOI-14
CAST IRON MACHINE FILTERING SYSTEM ACID/ALKALI SUMP
AOI-15
CHIP BLDG.
AOI-101
DYE WASH AREA
AOI-09
STEAM CLEAN BAY
AOI-34
20,000 GALLON UST
AOI-27
WATER LINES TUNNEL
AOI-26
TREATMENT BUILDING - EXTERIOR FILL STATION DRAIN AND CONTAINMENT AREA, AND SUMPS
SECOND FLOOR WASTE TREATMENT PLANT
WASTE TREATMENT PLANT
CLARIFIER TANK 1M GAL
FILTER BUILDING
PIPE TUNNEL
OVERHEAD CONV PIPING
DRIVEWAY
CENTERLINE OF DRAINAGE DITCH
FIRST TANK & PUMP HOUSE
DOCK 97
DOCK 101
DOCK 102
DOCK 103
STEEL DOCK
CANTEENA
TO W.T. BLDG.
20,000 GALLON BELY WAX
MAIN CONF SUMP PIT
CHROME WASTE 50 GAL
OIL/WASTE TANK #1 50 GAL
AIR WASTE SUMP #1 50 GAL
AIR WASTE SUMP #2 50 GAL
OIL/WASTE TANK #2 50 GAL
MW-20
MW-4D
MW-22
MW-21
MW-5
MW-2
MW-6
CMW-13
CMW-12
MW-55
CMW-11M, 11S, 11D
CMW-10
CMW-2
CMW-3
CMW-4
CMW-5
CMW-8
CMW-7
CMW-9
CEW-1
CEW-2
CMW-5R
CMW-15
CMW-14
CMW-1
TMW-01
TMW-02
MW-7
MW-8
MW-1
MW-3
MW-4
SB-015-002
SB-015-003
SB-015-004
SB-015-001
SB-021-001
SB-021-002
SB-028-001
SB-028-002
SB-028-003
SB-025-001
SB-025-002
SB-025-003
SB-025-004
SB-025-005
SB-025-006
SB-009-001
SB-009-002
SB-009-003
SB-006-001
SB-006-002
SB-006-003
SB-006-004
SB-007-001
SB-007-002
SB-007-003
SB-007-004
SB-004-001
SB-004-002
SB-004-003
SB-004-004
SB-005-001
SB-005-002
SB-005-003
SB-005-004
SB-003-001
SB-003-002
SB-003-003
SB-003-004
SB-002-001
SB-002-002
SB-002-003
SB-002-004
SB-031-001
SB-031-002
SB-031-003
SB-032-001
SB-032-002
SB-017-001
SB-017-002
SB-017-003
SB-017-004
SB-017-005
SB-020-001
SB-020-002
SB-020-003
SB-020-004
SB-020-005
SB-020-006
SB-020-007
SB-020-008
SB-022-001
SB-022-002
SB-022-003
SB-022-004
SB-026-001
SB-026-002
SB-026-003
SB-026-004
SB-026-005
SB-026-006
SB-026-007
SB-026-008
SB-026-009
SB-026-010
SB-026-011
SB-026-012
SB-026-013
SB-026-014
SB-026-015
SB-026-016
SB-026-017
SB-026-018
SB-026-019
SB-026-020
SB-026-021
SB-026-022
SB-026-023
SB-026-024
SB-026-025
SB-026-026
SB-026-027
SB-026-028
SB-026-029
SB-026-030
SB-026-031
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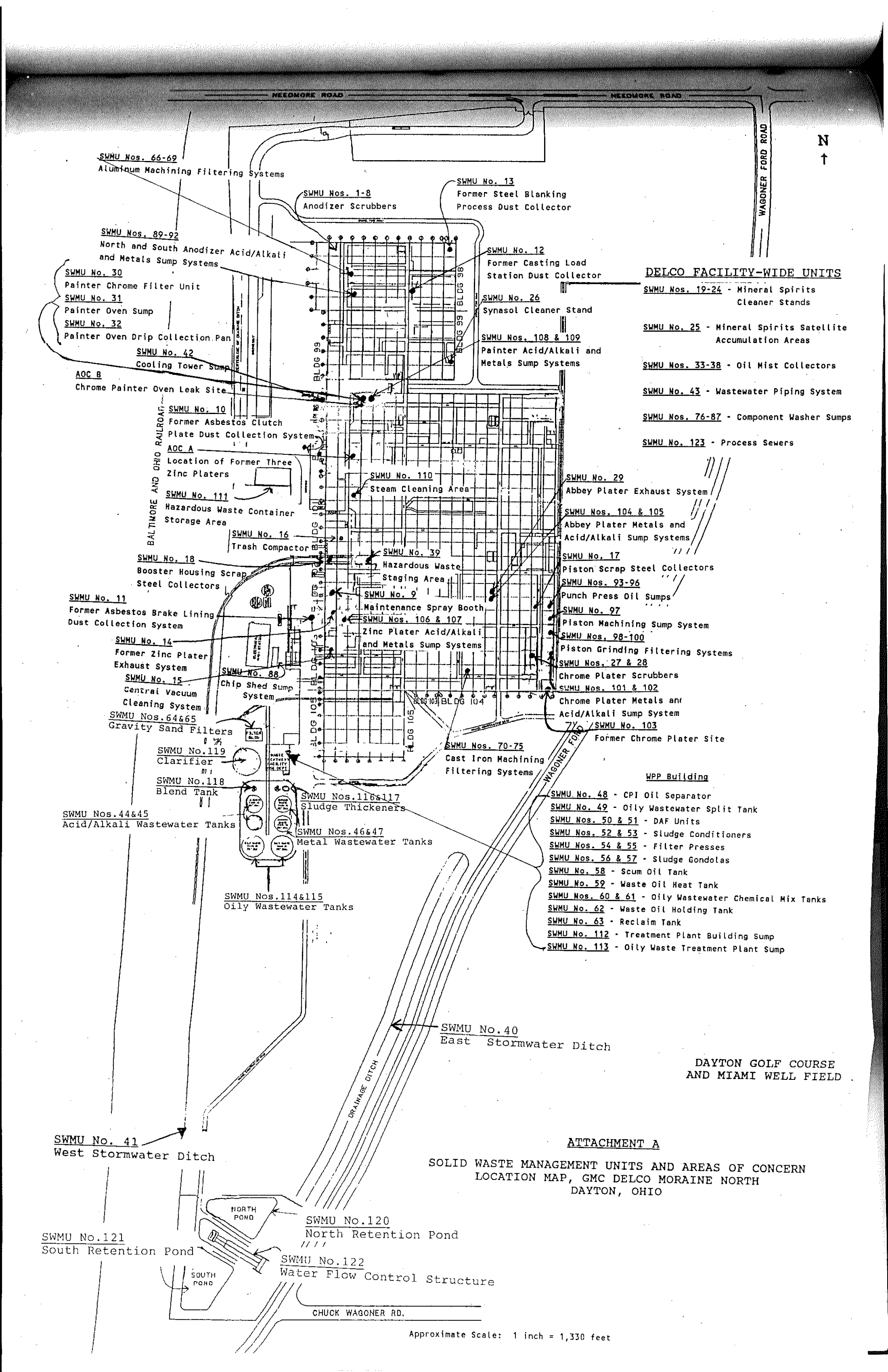
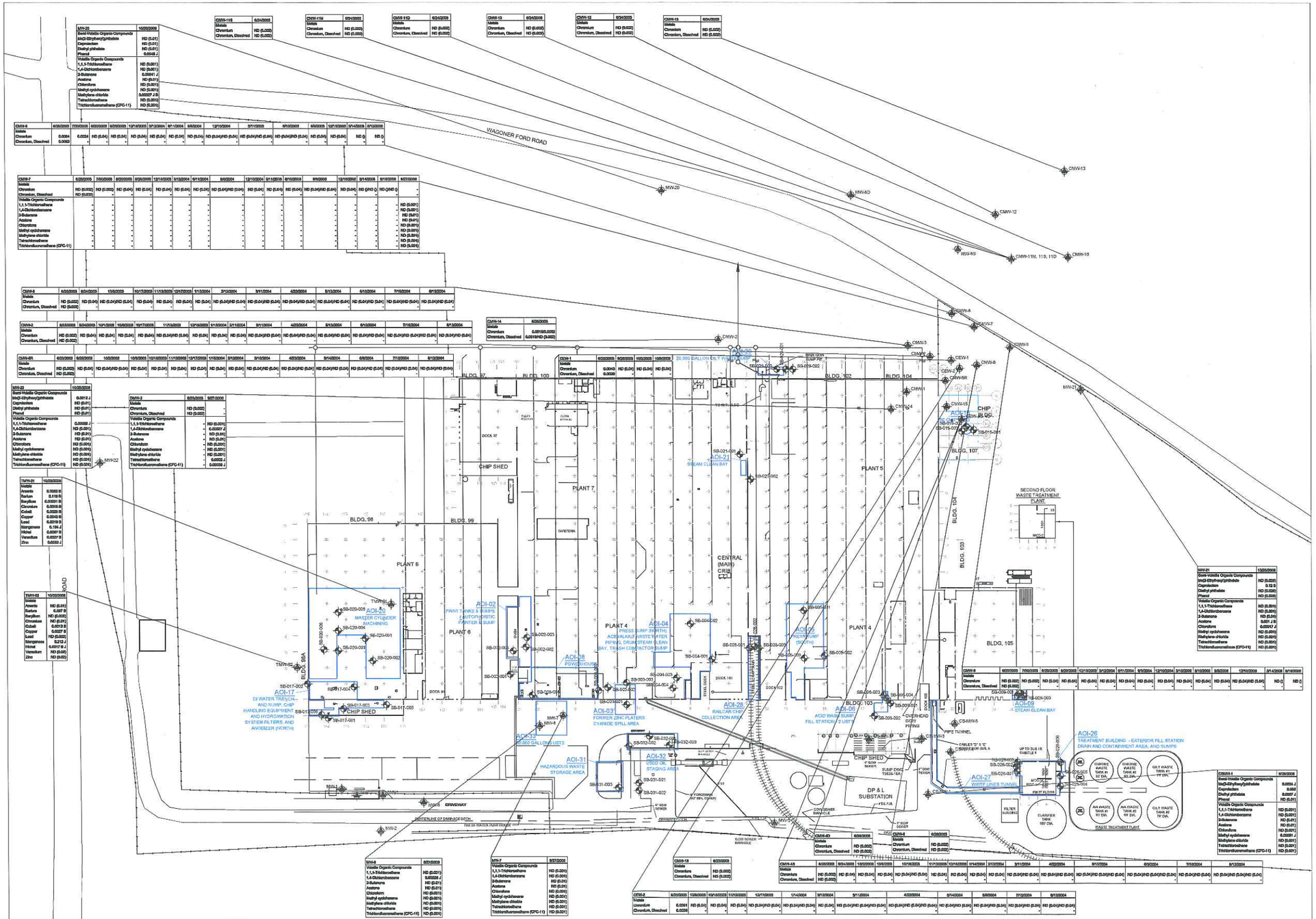
SB-026-037
SB-026-038
SB-026-039
SB-026-040



ATTACHMENT A

SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN
LOCATION MAP, GMC DELCO MORAINE NORTH
DAYTON, OHIO



LEGEND:

- AREA OF INTEREST (AOI) (FURTHER INVESTIGATION NEEDED)
- SOIL BORING LOCATION
- MONITORING WELL LOCATION

NOTES:

1. FEATURES AND SITE LAYOUT PRESENTED IN THE BASE PLAN ARE APPROXIMATE AND BASED ON FACILITY DRAWINGS AND SITE OBSERVATIONS. LOCATIONS MAY VARY FROM SURVEY COORDINATES.
2. DATABOXES SHOWN IN MG/L.
3. SEE SUMMARY TABLE FOR SCREENING CRITERIA.
4. CHEMICALS SHOWN IN DATABOX WERE DETECTED IN ONE OR MORE GROUNDWATER SAMPLES ON THE SITE.
5. RESULTS GREATER THAN GROUNDWATER SCREENING CRITERIA ARE SHOWN IN [ ]:
   - A - RESIDENTIAL DRINKING WATER CRITERIA
   - B - DIRECT CONTACT GROUNDWATER
   - C - VOLATILIZATION TO RESIDENTIAL INDOOR AIR
   - D - VOLATILIZATION TO INDUSTRIAL INDOOR AIR
   - E - SOLUBILITY

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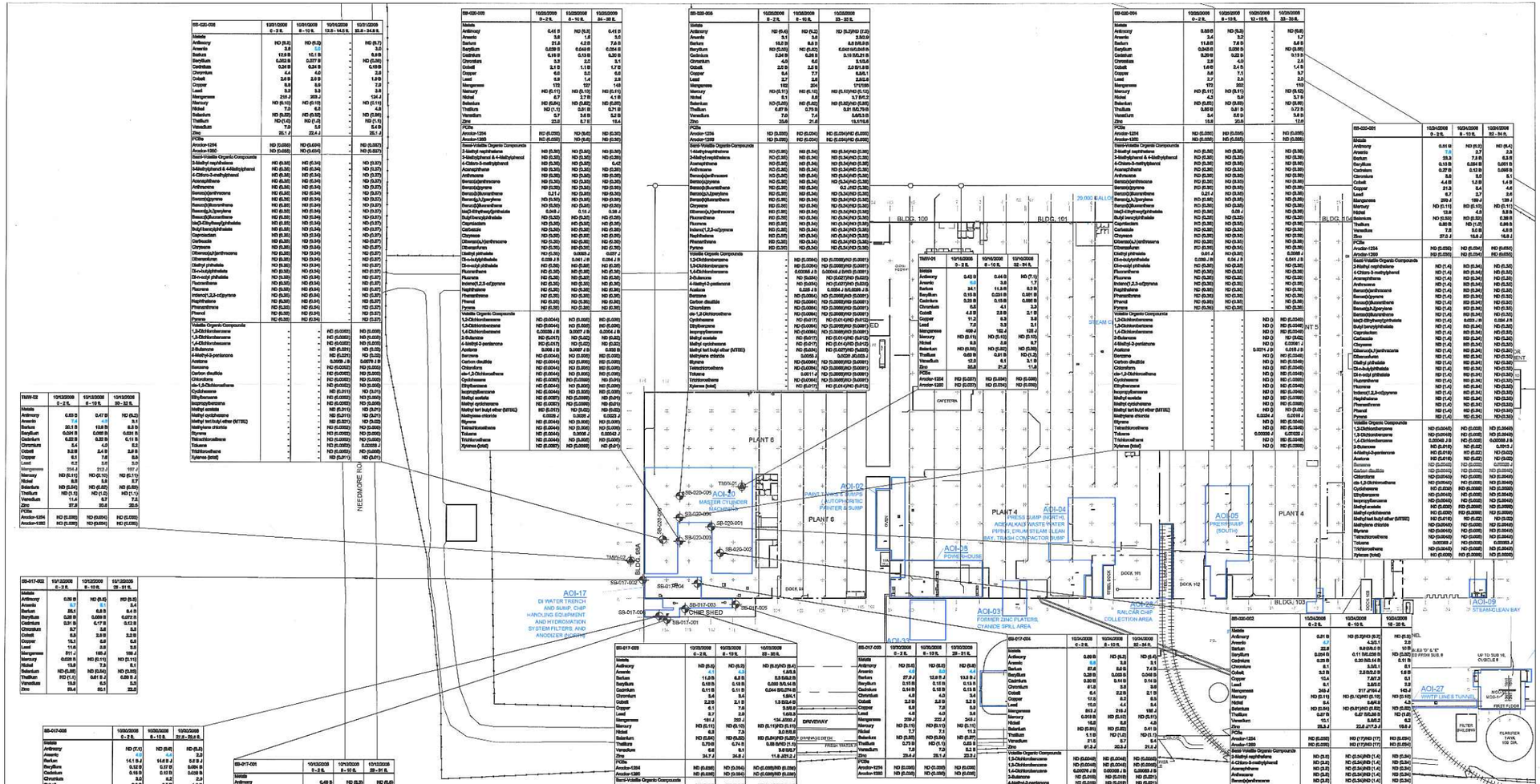
NEEDMORE ROAD FACILITY
3100 NEEDMORE ROAD
DAYTON, OHIO

GROUNDWATER SAMPLING RESULTS

SCALE: AS SHOWN
DECEMBER 2006

FIGURE 4


BLDG. 100
BLDG. 101
BLDG. 102
BLDG. 103
PLANT 6
PLANT 4
AOI-02
PAINT BOOTHS & SHOPS AUTOMATIC PAINTER & SUMP
AOI-04
PRESS SUMP (NORTH), ACID/ALKALI WASTE WATER PIPING, CRUM STEAM CLEAN BAY, TRASH CONTAINOR SUMP
AOI-05
PRESS SUMP (SOUTH)
AOI-08
POWERHOUSE
AOI-10
MASTER CYLINDER MACHINES
AOI-17
DI WATER TRENCH AND SUMP, CHIP HANDLING EQUIPMENT AND HYDROMATION SYSTEM FILTERS AND ANODIZER SCRIPT
AOI-03
FORMER ZINC PLATERS CYANIDE SPILL AREA
AOI-26
RAILCAR CHIP COLLECTION AREA
AOI-09
STEAMCLEAN BAY
AOI-27
WATER LINES & TUNNEL
CHIP SHED
NEEDMORE RD.
DRIVEWAY
DOCK 101
DOCK 102
DOCK 103
STEEL DOCK
GATEWAY
FILTER BUILDING
CLARIFIER TANK 100 DIA.
UP TO SUB 16
TMW-01
TMW-02
SB-020-001
SB-020-002
SB-020-003
SB-020-004
SB-017-001
SB-017-002
SB-017-003
SB-017-004
SB-017-005
SB-017-006
SB-017-007
SB-017-008
SB-017-009
SB-017-010
SB-017-011
SB-017-012
SB-017-013
SB-017-014
SB-017-015
SB-017-016
SB-017-017
SB-017-018
SB-017-019
SB-017-020
SB-017-021
SB-017-022
SB-017-023
SB-017-024
SB-017-025
SB-017-026
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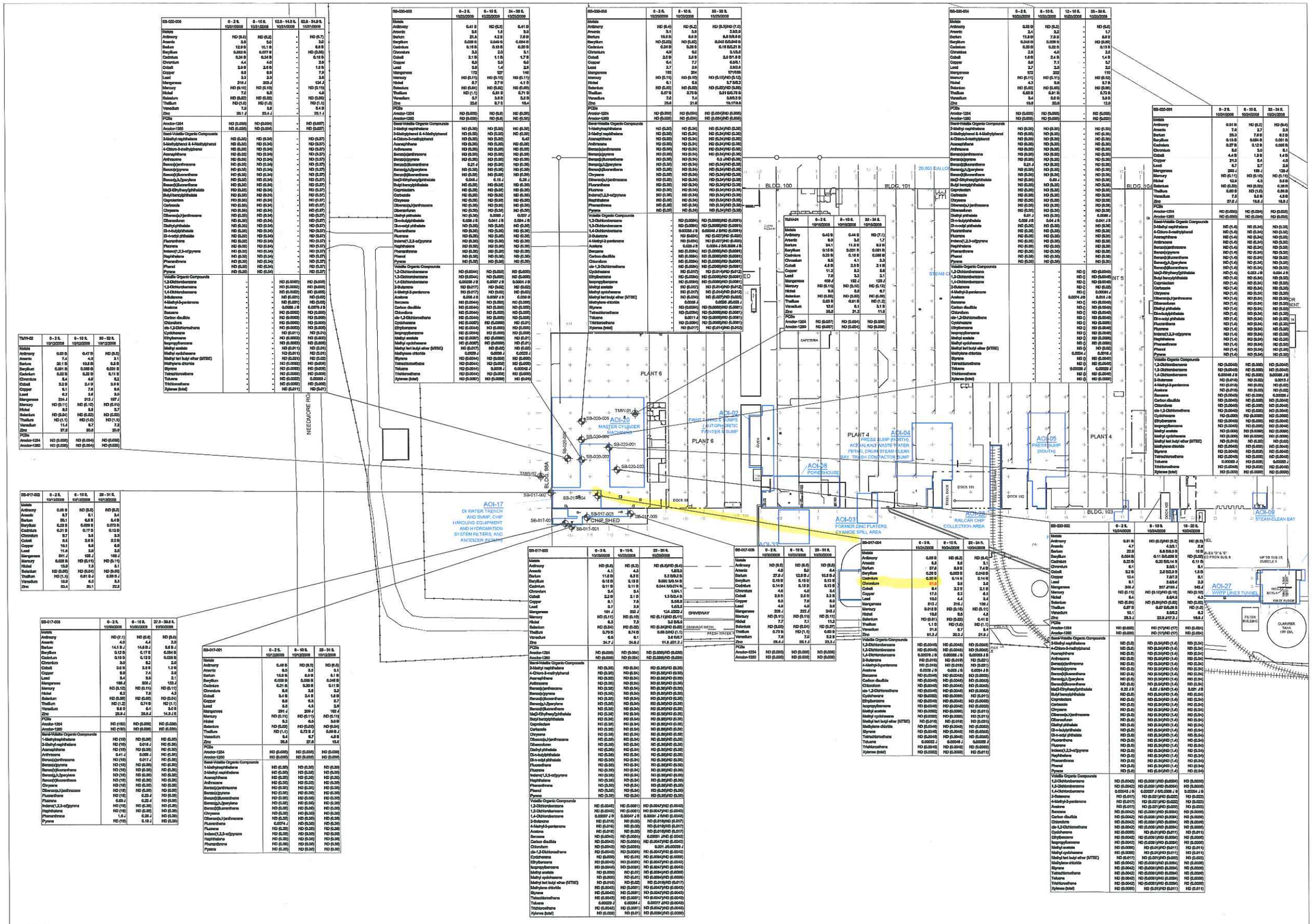
SB-017-039
SB-017-040



SS-020-005	0 - 2 ft. 10/20/2006	6 - 10 ft. 10/20/2006	12.5 - 14.5 ft. 10/20/2006	32.5 - 34.5 ft. 10/20/2006
Metals				
Antimony	ND (5.2)	ND (5.2)	-	ND (5.7)
Arsenic	3.8	5.0	-	3.2
Barium	12.8	15.1 B	-	8.8 B
Beryllium	0.850 B	0.677 B	-	ND (0.535)
Cadmium	0.34 B	0.34 B	-	0.18 B
Chromium	4.4	4.0	-	2.8
Cobalt	2.9 B	2.6 B	-	1.3 B
Copper	6.8	6.8	-	7.8
Lead	3.3	3.3	-	3.8
Manganese	219 J	203 J	-	134 J
Mercury	ND (0.10)	ND (0.10)	-	ND (0.11)
Nickel	7.0	6.8	-	4.0
Selenium	ND (5.2)	ND (5.2)	-	ND (5.06)
Thallium	ND (0.6)	ND (0.6)	-	ND (1.1)
Vanadium	7.2	5.2	-	5.4 B
Zinc	35.1 J	25.4 J	-	26.1 J
PCBs				
Aroclor-1254	ND (0.050)	ND (0.050)	-	ND (0.057)
Aroclor-1260	ND (0.050)	ND (0.050)	-	ND (0.057)
Semi-Volatile Organic Compounds				
3-Methylnaphthalene	ND (0.34)	ND (0.34)	-	ND (0.37)
2-Methylphenol & 4-Methylphenol	ND (0.34)	ND (0.34)	-	ND (0.37)
4-Chloro-3-methylphenol	ND (0.34)	ND (0.34)	-	ND (0.37)
Acenaphthene	ND (0.34)	ND (0.34)	-	ND (0.37)
Anthracene	ND (0.34)	ND (0.34)	-	ND (0.37)
Benzo(a)anthracene	ND (0.34)	ND (0.34)	-	ND (0.37)
Benzo(a)pyrene	ND (0.34)	ND (0.34)	-	ND (0.37)
Benzo(b)fluoranthene	ND (0.34)	ND (0.34)	-	ND (0.37)
Benzo(g,h,i)perylene	ND (0.34)	ND (0.34)	-	ND (0.37)
Benzo(k)fluoranthene	ND (0.34)	ND (0.34)	-	ND (0.37)
bis(2-Ethylhexyl)phthalate	ND (0.34)	ND (0.34)	-	ND (0.37)
Butyl benzylphthalate	ND (0.34)	ND (0.34)	-	ND (0.37)
Carbazole	ND (0.34)	ND (0.34)	-	ND (0.37)
Chrysene	ND (0.34)	ND (0.34)	-	ND (0.37)
Dibenz(a,h)anthracene	ND (0.34)	ND (0.34)	-	ND (0.37)
Dibenzofuran	ND (0.34)	ND (0.34)	-	ND (0.37)
Diethyl phthalate	ND (0.34)	ND (0.34)	-	ND (0.37)
Di-n-butylphthalate	ND (0.34)	ND (0.34)	-	ND (0.37)
Di-n-octyl phthalate	ND (0.34)	ND (0.34)	-	ND (0.37)
Fluoranthene	ND (0.34)	ND (0.34)	-	ND (0.37)
Fluorene	ND (0.34)	ND (0.34)	-	ND (0.37)
Indeno(1,2,3-cd)pyrene	ND (0.34)	ND (0.34)	-	ND (0.37)
Naphthalene	ND (0.34)	ND (0.34)	-	ND (0.37)
Phenanthrene	ND (0.34)	ND (0.34)	-	ND (0.37)
Phenol	ND (0.34)	ND (0.34)	-	ND (0.37)
Pyrene	ND (0.34)	ND (0.34)	-	ND (0.37)
Volatile Organic Compounds				
1,2-Dichlorobenzene	-	-	ND (0.0002)	ND (0.0005)
1,3-Dichlorobenzene	-	-	ND (0.0002)	ND (0.0005)
1,4-Dichlorobenzene	-	-	ND (0.0002)	ND (0.0005)
2-Butanone	-	-	ND (0.001)	ND (0.002)
4-Methyl-2-pentanone	-	-	ND (0.001)	ND (0.002)
Acetone	-	-	0.0008 J B	0.0079 J B
Benzene	-	-	ND (0.0002)	ND (0.0005)
Carbon disulfide	-	-	ND (0.0002)	ND (0.0005)
Chloroform	-	-	ND (0.0002)	ND (0.0005)
cis-1,2-Dichloroethene	-	-	ND (0.0002)	ND (0.0005)
Cyclohexane	-	-	ND (0.01)	ND (0.01)
Ethylbenzene	-	-	ND (0.0002)	ND (0.0005)
Isopropylbenzene	-	-	ND (0.0002)	ND (0.0005)
Methyl acetate	-	-	ND (0.01)	ND (0.01)
Methyl cyclohexane	-	-	ND (0.01)	ND (0.01)
Methyl tert butyl ether (MTBE)	-	-	ND (0.0002)	ND (0.0005)
Methylene chloride	-	-	ND (0.0002)	ND (0.0005)
Styrene	-	-	ND (0.0002)	ND (0.0005)
Tetrachloroethene	-	-	ND (0.0002)	ND (0.0005)
Toluene	-	-	ND (0.0002)	0.00035 J
Trichloroethene	-	-	ND (0.0002)	ND (0.0005)
Xylenes (total)	-	-	ND (0.0011)	ND (0.01)

SS-020-003	0 - 2 ft. 10/20/2006	6 - 10 ft. 10/20/2006	34 - 36 ft. 10/20/2006
Metals			
Antimony	0.41 B	ND (5.2)	0.41 B
Arsenic	3.5	1.8	5.0
Barium	21.8	4.2 B	7.8 B
Beryllium	0.039 B	0.046 B	0.064 B
Cadmium	0.16 B	0.10 B	0.30 B
Chromium	3.3	2.0	5.1
Cobalt	2.1 B	1.1 B	1.7 B
Copper	6.0	2.0	5.0
Lead	3.8	1.4	2.8
Manganese	172	120	146
Mercury	ND (0.11)	ND (0.10)	ND (0.11)
Nickel	5.7	2.7 B	4.1 B
Selenium	ND (5.06)	ND (5.02)	ND (5.05)
Thallium	ND (1.0)	0.67 B	0.91 B
Vanadium	5.7	3.8 B	5.2 B
Zinc	25.6	21.6	19.4
PCBs			
Aroclor-1254	ND (0.050)	ND (0.05)	ND (0.057)
Aroclor-1260	ND (0.050)	ND (0.05)	ND (0.057)
Semi-Volatile Organic Compounds			
3-Methylnaphthalene	ND (0.35)	ND (0.34)	ND (0.37)
2-Methylphenol & 4-Methylphenol	ND (0.35)	ND (0.34)	ND (0.37)
4-Chloro-3-methylphenol	ND (0.35)	ND (0.34)	ND (0.37)
Acenaphthene	ND (0.35)	ND (0.34)	ND (0.37)
Anthracene	ND (0.35)	ND (0.34)	ND (0.37)
Benzo(a)anthracene	ND (0.35)	ND (0.34)	ND (0.37)
Benzo(a)pyrene	ND (0.35)	ND (0.34)	ND (0.37)
Benzo(b)fluoranthene	ND (0.35)	ND (0.34)	ND (0.37)
Benzo(g,h,i)perylene	ND (0.35)	ND (0.34)	ND (0.37)
Benzo(k)fluoranthene	ND (0.35)	ND (0.34)	ND (0.37)
bis(2-Ethylhexyl)phthalate	ND (0.35)	ND (0.34)	ND (0.37)
Butyl benzylphthalate	ND (0.35)	ND (0.34)	ND (0.37)
Carbazole	ND (0.35)	ND (0.34)	ND (0.37)
Chrysene	ND (0.35)	ND (0.34)	ND (0.37)
Dibenz(a,h)anthracene	ND (0.35)	ND (0.34)	ND (0.37)
Dibenzofuran	ND (0.35)	ND (0.34)	ND (0.37)
Diethyl phthalate	ND (0.35)	ND (0.34)	ND (0.37)
Di-n-butylphthalate	ND (0.35)	ND (0.34)	ND (0.37)
Di-n-octyl phthalate	ND (0.35)	ND (0.34)	ND (0.37)
Fluoranthene	ND (0.35)	ND (0.34)	ND (0.37)
Fluorene	ND (0.35)	ND (0.34)	ND (0.37)
Indeno(1,2,3-cd)pyrene	ND (0.35)	ND (0.34)	ND (0.37)
Naphthalene	ND (0.35)	ND (0.34)	ND (0.37)
Phenanthrene	ND (0.35)	ND (0.34)	ND (0.37)
Phenol	ND (0.35)	ND (0.34)	ND (0.37)
Pyrene	ND (0.35)	ND (0.34)	ND (0.37)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)
1,3-Dichlorobenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)
1,4-Dichlorobenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)
2-Butanone	0.0035 J B	0.0007 J B	0.0038 J B
4-Methyl-2-pentanone	ND (0.0017)	ND (0.001)	ND (0.002)
Acetone	0.0058 J B	0.0037 J B	0.0038 B
Benzene	ND (0.0004)	ND (0.0002)	ND (0.0005)
Carbon disulfide	ND (0.0004)	ND (0.0002)	ND (0.0005)
Chloroform	ND (0.0004)	ND (0.0002)	ND (0.0005)
cis-1,2-Dichloroethene	ND (0.0004)	ND (0.0002)	ND (0.0005)
Cyclohexane	ND (0.0027)	ND (0.0008)	ND (0.01)
Ethylbenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)
Isopropylbenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)
Methyl acetate	ND (0.0027)	ND (0.0008)	ND (0.01)
Methyl cyclohexane	ND (0.0027)	ND (0.0008)	ND (0.01)
Methyl tert butyl ether (MTBE)	ND (0.0017)	ND (0.0002)	ND (0.0005)
Methylene chloride	0.0028 J	0.0008 J	0.0027 J
Styrene	ND (0.0004)	ND (0.0002)	ND (0.0005)
Tetrachloroethene	ND (0.0004)	0.0008 J	0.00042 J
Toluene	ND (0.0004)	ND (0.0002)	ND (0.0005)
Trichloroethene	ND (0.0004)	ND (0.0002)	ND (0.0005)
Xylenes (total)	ND (0.0027)	ND (0.0008)	ND (0.01)

SS-020-006	0 - 2 ft. 10/20/2006	6 - 10 ft. 10/20/2006	33 - 35 ft. 10/20/2006
Metals			
Antimony	ND (5.4)	ND (5.2)	ND (5.3)/ND (7.2)
Arsenic	5.1	3.0	3.5/2.2
Barium	15.8 B	8.0 B	8.8/8.8 B
Beryllium	ND (0.53)	ND (0.52)	0.042/0.044 B
Cadmium	0.34 B	0.28 B	0.16/0.21 B
Chromium	4.0	5.2	3.1/3.4
Cobalt	2.5 B	3.2 B	2.0/1.8 B
Copper	6.4	7.7	6.8/6.1
Lead	3.7	2.9	2.5/2.8
Manganese	158	200	170/180
Mercury	ND (0.11)	ND (0.10)	ND (0.11)/ND (0.12)
Nickel	6.1	5.4	3.7/4.0 J
Selenium	ND (5.05)	ND (5.02)	ND (5.02)/ND (5.06)
Thallium	0.87 B	0.79 B	0.91/0.93 B
Vanadium	7.2	7.4	5.8/5.3 B
Zinc	25.6	21.6	19.1/19.6
PCBs			
Aroclor-1254	ND (0.050)	ND (0.050)	ND (0.054)/ND (0.055)
Aroclor-1260	ND (0.050)	ND (0.05)	ND (0.054)/ND (0.055)
Semi-Volatile Organic Compounds			
3-Methylnaphthalene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
2-Methylphenol & 4-Methylphenol	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
4-Chloro-3-methylphenol	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Acenaphthene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Anthracene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Benzo(a)anthracene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Benzo(a)pyrene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Benzo(b)fluoranthene	ND (0.35)	ND (0.34)	0.3 J/ND (0.36)
Benzo(g,h,i)perylene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Benzo(k)fluoranthene	0.21 J	ND (0.34)	ND (0.34)/ND (0.36)
bis(2-Ethylhexyl)phthalate	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Butyl benzylphthalate	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Carbazole	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Chrysene	ND (0.35)	ND (0.34)	0.3 J/ND (0.36)
Dibenz(a,h)anthracene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Dibenzofuran	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Diethyl phthalate	ND (0.35)	0.0089 J	0.037 J
Di-n-butylphthalate	0.039 J B	0.041 J B	0.054 J B
Di-n-octyl phthalate	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Fluoranthene	ND (0.35)	ND (0.34)	0.3 J/ND (0.36)
Fluorene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Indeno(1,2,3-cd)pyrene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Naphthalene	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Phenanthrene	0.04 J	0.16 J	0.3 J
Phenol	ND (0.35)	ND (0.34)	ND (0.34)/ND (0.36)
Pyrene	ND (0.35)	ND (0.34)	0.3 J/ND (0.36)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
1,3-Dichlorobenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
1,4-Dichlorobenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
2-Butanone	ND (0.0017)	ND (0.001)	ND (0.0027)/ND (0.0028)
4-Methyl-2-pentanone	ND (0.0017)	ND (0.001)	ND (0.0027)/ND (0.0028)
Acetone	0.0058 J B	0.0054 J B	0.0084 J B/0.0088 J B
Benzene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Carbon disulfide	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Chloroform	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
cis-1,2-Dichloroethene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Cyclohexane	ND (0.0027)	ND (0.0008)	ND (0.01)/ND (0.01)
Ethylbenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Isopropylbenzene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Methyl acetate	ND (0.0027)	ND (0.0008)	ND (0.01)/ND (0.01)
Methyl cyclohexane	ND (0.0027)	ND (0.0008)	ND (0.01)/ND (0.01)
Methyl tert butyl ether (MTBE)	ND (0.0017)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Methylene chloride	0.0028 J	0.0008 J	0.0027 J/0.0028 J
Styrene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Tetrachloroethene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Toluene	ND (0.0004)	0.0008 J	0.00042 J/0.00037 J
Trichloroethene	ND (0.0004)	ND (0.0002)	ND (0.0005)/ND (0.0005)
Xylenes (total)	ND (0.0027)	ND (0.0008)	ND (0.01)/ND (0.01)

SS-020-004	0 - 2 ft. 10/20/2006	6 - 10 ft. 10/20/2006	12 - 14 ft. 10/20/2006	33 - 35 ft. 10/20/2006
Metals				
Antimony	0.52 B	ND (5.2)	-	ND (5.6)
Arsenic	2.1	3.2	-	1.7
Barium	11.9 B	7.0 B	-	8.8 B
Beryllium	0.040 B	0.059 B	-	ND (0.56)
Cadmium	0.20 B	0.22 B	-	0.13 B
Chromium	2.9	4.0	-	2.6
Cobalt	1.0 B	2.4 B	-	1.4 B
Copper	5.8	5.7	-	3.2
Lead	3.7	3.5	-	3.2
Manganese	172	202	-	110
Mercury	ND (0.11)	ND (0.11)	-	ND (0.10)
Nickel	5.4	6.6	-	5.1 B
Selenium	ND (5.05)	ND (5.05)	-	ND (5.06)
Thallium	0.48 B	0.61 B	-	0.73 B
Vanadium	5.4	5.8 B	-	5.8 B
Zinc	16.6	20.6	-	12.6
PCBs				
Aroclor-1254	ND (0.050)	ND (0.050)	-	ND (0.055)
Aroclor-1260	ND (0.050)	ND (0.050)	-	ND (0.055)
Semi-Volatile Organic Compounds				
3-Methylnaphthalene	ND (0.34)	ND (0.34)	-	ND (0.36)
2-Methylphenol & 4-Methylphenol	ND (0.34)	ND (0.34)	-	ND (0.36)
4-Chloro-3-methylphenol	ND (0.34)	ND (0.34)	-	ND (0.36)
Acenaphthene	ND (0.34)	ND (0.34)	-	ND (0.36)
Anthracene	ND (0.34)	ND (0.34)	-	ND (0.36)
Benzo(a)anthracene	ND (0.34)	ND (0.34)	-	ND (0.36)
Benzo(a)pyrene	ND (0.34)	ND (0.34)	-	ND (0.36)
Benzo(b)fluoranthene	0.21 J	ND (0.34)	-	ND (0.36)
Benzo(g,h,i)perylene	ND (0.34)	ND (0.34)	-	ND (0.36)
Benzo(k)fluoranthene	ND (0.34)	ND (0.34)	-	ND (0.36)
bis(2-Ethylhexyl)phthalate	ND (0.34)	0.18 J	-	0.24 J
Butyl benzylphthalate	ND (0.34)	ND (0.34)	-	ND (0.36)
Carbazole	ND (0.34)	ND (0.34)	-	ND (0.36)
Chrysene	ND (0.34)	ND (0.34)	-	ND (0.36)
Dibenz(a,h)anthracene	ND (0.34)	ND (0.34)	-	ND (0.36)
Dibenzofuran	ND (0.34)	ND (0.34)	-	ND (0.36)
Diethyl phthalate	0.041 J	0.041 J	-	0.0088 J
Di-n-butylphthalate	0.058 J B	0.44 J B	-	0.041 J B
Di-n-octyl phthalate	ND (0.34)	ND (0.34)	-	ND (0.36)
Fluoranthene	ND (0.34)	ND (0.34)	-	ND (0.36)
Fluorene	ND (0.34)	ND (0.34)	-	ND (0.36)
Indeno(1,2,3-cd)pyrene	ND (0.34)	ND (0.34)	-	ND (0.36)
Naphthalene	ND (0.34)	ND (0.34)	-	ND (0.36)
Phenanthrene	0.08 J	0.08 J	-	0.0088 J
Phenol	ND (0.34)	ND (0.34)	-	ND (0.36)
Pyrene	ND (0.34)	ND (0.34)	-	ND (0.36)
Volatile Organic Compounds				
1,2-Dichlorobenzene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
1,3-Dichlorobenzene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
1,4-Dichlorobenzene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
2-Butanone	ND (0.001)	ND (0.0008)	-	ND (0.0027)
4-Methyl-2-pentanone	ND (0.001)	ND (0.0008)	-	ND (0.0027)
Acetone	0.0074 J B	0.0016 J B	-	0.0028 J B
Benzene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
Carbon disulfide	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
Chloroform	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
cis-1,2-Dichloroethene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
Cyclohexane	ND (0.01)	ND (0.0008)	-	ND (0.0027)
Ethylbenzene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
Isopropylbenzene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
Methyl acetate	ND (0.01)	ND (0.0008)	-	ND (0.0027)
Methyl cyclohexane	ND (0.01)	ND (0.0008)	-	ND (0.0027)
Methyl tert butyl ether (MTBE)	ND (0.0004)	ND (0.0002)	-	ND (0.0017)
Methylene chloride	ND (0.0004)	ND (0.0002)	-	ND (0.0028)
Styrene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
Tetrachloroethene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
Toluene	0.00032 J	0.00046 J	-	0.00028 J
Trichloroethene	ND (0.0004)	ND (0.0002)	-	ND (0.0005)
Xylenes (total)	ND (0.0012)	ND (0.0008)	-	ND (0.0081)

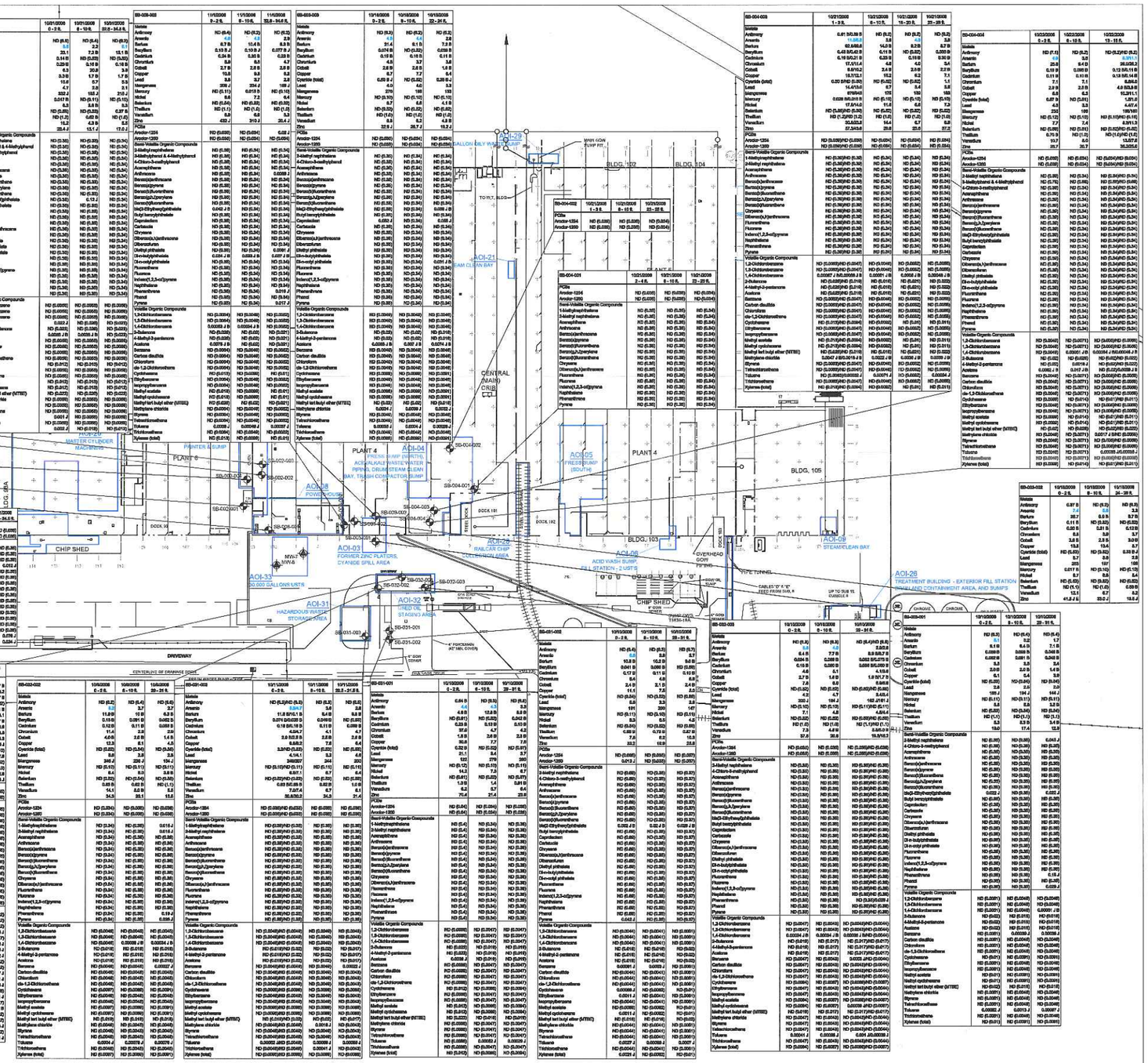
TMW-02	0 - 2 ft. 10/19/2006	6 - 10 ft. 10/19/2006	30 - 32 ft. 10/19/2006
Metals			
Antimony	0.63 B	0.47 B	ND (5.2)
Arsenic	7.4	4.0	3.1
Barium	20.1 B	10.8 B	8.8 B
Beryllium	0.691 B	0.368 B	0.031 B
Cadmium	0.33 B	0.28 B	0.11 B
Chromium	5.4	4.0	5.3
Cobalt	3.3 B	2.4 B	3.9 B
Copper	9.1	7.6	9.6
Lead	4.2	3.6	8.9
Manganese	224 J	213 J	187 J
Mercury	ND (0.11)	ND (0.10)	ND (0.11)
Nickel	8.8	5.8	5.7
Selenium	ND (5.06)	ND (5.02)	ND (5.05)
Thallium	ND (1.1)	ND (1.0)	ND (1.1)
Vanadium	11.4	8.7	7.2
Zinc	27.0	20.8	20.0
PCBs			
Aroclor-1254	ND (0.050)	ND (0.054)	ND (0.055)
Aroclor-1260	ND (0.050)	ND (0.054)	ND (0.055)

SS-017-002	0 - 2 ft. 10/19/2006	6 - 10 ft. 10/19/2006	28 - 31 ft. 10/19/2006
Metals			
Antimony	0.88 B	ND (5.2)	ND (5.2)
Arsenic	8.7	6.1	5.4
Barium	95.1	62.8 B	8.4 B
Beryllium	0.28 B	0.059 B	0.073 B
Cadmium	0.31 B	0.17 B	0.12 B
Chromium	9.7	3.6	3.3
Cobalt	8.2	2.8 B	2.2 B
Copper	19.1	6.8	6.6
Lead	11.4	3.8	3.8
Manganese	891 J	159 J	169 J
Mercury	0.022 B	ND (0.11)	ND (0.11)
Nickel	13.8	7.3	5.1
Selenium	ND (5.02)	ND (5.04)	ND (5.05)
Thallium	ND (1.1)	0.81 B J	0.99 B J
Vanadium	19.9	6.0	5.8
Zinc	33.4	20.1	22.2

SS-017-005	0 - 2 ft. 10/19/2006	6 - 10 ft. 10/19/2006	27.5 - 29.5 ft. 10/19/2006
Metals			
Antimony	ND (7.1)	ND (5.2)	ND (5.6)
Arsenic	4.4	4.4	2.7
Barium	14.1 B J	14.6 B J	8.8 B J
Beryllium	0.12 B	0.17 B	0.054 B
Cadmium	0.18 B	0.13 B	0.03 B
Chromium	3.0	5.2	2.0
Cobalt	2.2 B	3.8 B	1.3 B
Copper	5.9	7.4	3.8
Lead	3.4	3.8	2.1
Manganese	169 J	309 J	133 J
Mercury	ND (0.12)	ND (0.11)	ND (0.11)
Nickel	6.3	7.2	4.3
Selenium	ND (5.06)	ND (5.05)	ND (5.04)
Thallium	ND (1.2)	0.79 B	ND (1.1)
Vanadium	9.8 B	8.4	5.8 B
Zinc	23.8 J	25.8 J	14.3 J E
PCBs			
Aroclor-1254	ND (0.05)	ND (0.055)	ND (0.056)
Aroclor-1260	ND (0.05)	ND (0.055)	ND (0.056)
Semi-Volatile Organic Compounds			
1-Methylnaphthalene	ND (10)	ND (0.38)	ND (0.35)
2-Methylnaphthalene	ND (10)	0.018 J	ND (0.35)
Acenaphthene	ND (10)	ND (0.38)	ND (0.35)
Anthracene	0.41 J	0.089 J	ND (0.35)
Benzo(a)anthracene	ND (10)	0.077 J	ND (0.35)
Benzo(a)pyrene	ND (10)	ND (0.38)	ND (0.35)
Benzo(b)fluoranthene	ND (10)	ND (0.38)	ND (0.35)
Benzo(g,h,i)perylene	ND (10)	ND (0.38)	ND (0.35)
Benzo(k)fluoranthene	ND (10)	ND (0.38)	ND (0.35)
Chrysene	ND (10)	ND (0.38)	ND (0.35)
Dibenz(a,h)anthracene	ND (10)	ND (0.38)	ND (0.35)
Fluoranthene	ND (10)	0.22 J	ND (0.35)
Fluorene	0.65 J	0.22 J	ND (0.35)
Indeno(1,2,3-cd)pyrene	ND (10)	ND (0.38)	ND (0.35)
Naphthalene	ND (10)	ND (0.38)	ND (0.35)
Phenanthrene	1.8 J	0.28 J	ND (0.35)
Pyrene	ND (10)	0.18 J	ND (0.35)

SS-017-001	0 - 2 ft. 10/19/2006	6 - 10 ft. 10/19/2006	23 - 31 ft. 10/19/2006
Metals			
Antimony	6.48 B	ND (5.2)	ND (5.2)
Arsenic	6.5	3.3	5.1
Barium	14.8 B	8.8 B	8.1 B
Beryllium	0.058 B	0.088 B	0.048 B
Cadmium	0.21 B	0.39 B	0.11 B
Chromium	5.6	3.8	3.3
Cobalt	3.4 B	2.4 B	1.8 B
Copper	8.8	6.3	6.7
Lead	8.3	4.3	3.6
Manganese	291 J	209 J	152 J
Mercury	ND (0.11)	ND (0.11)	ND (0.11)
Nickel	8.3	6.9	5.6 B
Selenium	ND (5.02)	ND (5.05)	ND (5.04)
Thallium	ND (1.1)	0.73 B J	0.88 B J
Vanadium	8.4	6.2	4.8 B
Zinc	35.3	27.5	15.0
PCBs			
Aroclor-1254	ND (0.050)	ND (0.055)	ND (0.056)
Aroclor-1260	ND (0.050)	ND (0.055)	ND (0.056)
Semi-Volatile Organic Compounds			
1-Methylnaphthalene	ND (0.35)	ND (0.35)	ND (0.35)
2-Methyl naphthalene	ND (0.35)	ND (0.35)	ND (0.35)
Acenaphthene	ND (0.35)	ND (0.35)	ND (0.35)
Anthracene	ND (0.35)	ND (0.35)	ND (0.35)
Benzo(a)anthracene	ND (0.35)	ND (0.35)	ND (0.35)
Benzo(a)pyrene	ND (0.35)	ND (0.35)	ND (0.35)
Benzo(b)fluoranthene	ND (0.35)	ND (0.35)	ND (0.35)
Benzo(g,h,i)perylene	ND (0.35)	ND (0.35)	ND (0.35)
Benzo(k)fluoranthene	ND (0.35)	ND (0.35)	ND (0.35)
bis(2-Ethylhexyl)phthalate	ND (0.35)	ND (0.35)	ND (0.35)
Butyl benzylphthalate	ND (0.35)	ND (0.35)	ND (0.35)
Carbazole	ND (0.35)	ND (0.35)	ND (0.35)
Chrysene	ND (0.35)	ND (0.35)	ND (0.35)
Dibenz(a,h)anthracene	ND (0.35)	ND (0.35)	ND (0.35)
Dibenzofuran	ND (0.35)	ND (0.35)	ND (0.35)
Fluoranthene	ND (0.35)	ND (0.35)	ND (0.35)
Fluorene	ND (0.35)	ND (0.35)	ND (0.35)
Indeno(1,2,3-cd)pyrene	ND (0.35)	ND (0.35)	ND (0.35)
Naphthalene	ND (0.35)	ND (0.35)	ND (0.35)
Phenanthrene	ND (0.35)	ND (0.35)	ND (0.35)
Pyrene	ND (0.35)	ND (0.35)	ND (0.35)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.0005)	ND (0.0002)	ND (0.0005)
1,3-Dichlorobenzene	ND (0.0005)	ND (0.0002)	ND (0.0005)
1,4-Dichlorobenzene	ND (0.0005)	ND (0.0002)	ND (0.0005)
2-Butanone	0.0027 J B	0.00047 J B	0.00084 J B
4-Methyl-2-pentanone	ND (0.0018)	ND (0.0007)	ND (0.0017)
Acetone	ND (0.0018)	ND (0.0007)	ND (0.0017)
Benzene	ND (0.0005)	ND (0.0002)	ND (0.0005)
Carbon disulfide	ND (0.0005)	ND (0.0002)	ND (0.0005)
Chloroform	ND (0.0005)	ND (0.0002)	ND (0.0005)
cis-1,2-Dichloroethene	ND (0.0005)	ND (0.0002)	ND (0.0005)
Cyclohexane	ND (0.0028)	ND (0.001)	ND (0.0027)
Ethylbenzene	ND (0.0005)	ND (0.0002)	ND (0.0005)
Isopropylbenzene	ND (0.0005)	ND (0.0002)	ND (0.0005)
Methyl acetate	ND (0.0028)	ND (0.001)	ND (0.0027)
Methyl cyclohexane	ND (0.0028)	ND (0.001)	ND (0.0027)
Methyl tert butyl ether (MTBE)	ND (0.0018)	ND (0.0007)	ND (0.0017)
Methylene chloride	0.0029 J	0.0008 J	0.0027 J
Styrene	ND (0.0005)	ND (0.0002)	ND (0.0005)
Tetrachloroethene	ND (0.0005)	ND (0.0002)	ND (0.0005)
Toluene	0.00029 J	0.00054 J	0.00037 J
Trichloroethene	ND (0.0005)	ND (0.0002)	ND (0.0005)
Xylenes (total)	ND (0.0028)	ND (0.0008)	ND (0.0081)

SS-017-003	0 - 2 ft. 10/19/2006	6 - 10 ft. 10/19/2006	23 - 31 ft. 10/19/2006
Metals			
Antimony	ND (5.6)	ND (5.2)	ND (5.6)/ND (5.4)
Arsenic	4.1	4.3	1.8/3.3
Barium	11.2 B	6.2 B	3.3/8.2 B
Beryllium	0.10 B	0.19 B	0.060 B/0.14 B
Cadmium	0.11 B	0.11 B	0.04/0.07 B
Chromium	3.4	3.4	1.9/1.7
Cobalt	2.2 B	2.1 B	1.3 B/2.5
Copper	6.1	7.0	3.8/5.3
Lead	3.


BLDG. 102
BLDG. 104
BLDG. 105
BLDG. 103
PLANT 4
PLANT 6
CENTRAL MAIN CRIB
CHIP SHED
PAINT BUMP
MASTER CYLINDER MACHINING
AOI-29
BALLOON DILY WASH BUMP
MAIN CON PUMP PIT
TO WT. BLDG
AOI-21
STEAM CLEAN BAY
AOI-04
PRESS BUMP (NORTH)
ACID/ALKALI WASTE WATER PIPING, DRUM STEAM CLEAN BAY, TRASH CONTACTOR BUMP
AOI-05
PRESS BUMP (SOUTH)
AOI-08
POWER HOUSE
AOI-03
FORMER ZINC PLATORS, CYANIDE SPILL AREA
AOI-28
RAILCAR DRIP CONTAINMENT AREA
AOI-06
ACID WASH BUMP, FILTRATION - 2 HPTS
AOI-09
P. STEAMCLEAN BAY
AOI-26
TREATMENT BUILDING - EXTERIOR FILL STATION PACKED AND CONTAINMENT AREA, AND SUMPS
AOI-32
50,000 GALLONS USTS
AOI-31
HAZARDOUS WASTE STORAGE AREA
AOI-30
USED OIL STAGING AREA
DRIVEWAY
CENTERLINE OF DRAINAGE DITCH
OVERHEAD DOOR
PIPE TUNNEL
CHROME
CHROME
CHROME
SB-002-001
SB-002-002
SB-002-003
SB-002-004
SB-003-001
SB-003-002
SB-003-003
SB-003-004
SB-031-001
SB-031-002
SB-031-003
SB-032-001
SB-032-002
SB-032-003
SB-032-004
SB-032-005
SB-032-006
SB-032-007
SB-032-008
SB-032-009
SB-032-010
SB-032-011
SB-032-012
SB-032-013
SB-032-014
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SB-032-026
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SB-032-030
SB-032-031
SB-032-032
SB-032-033
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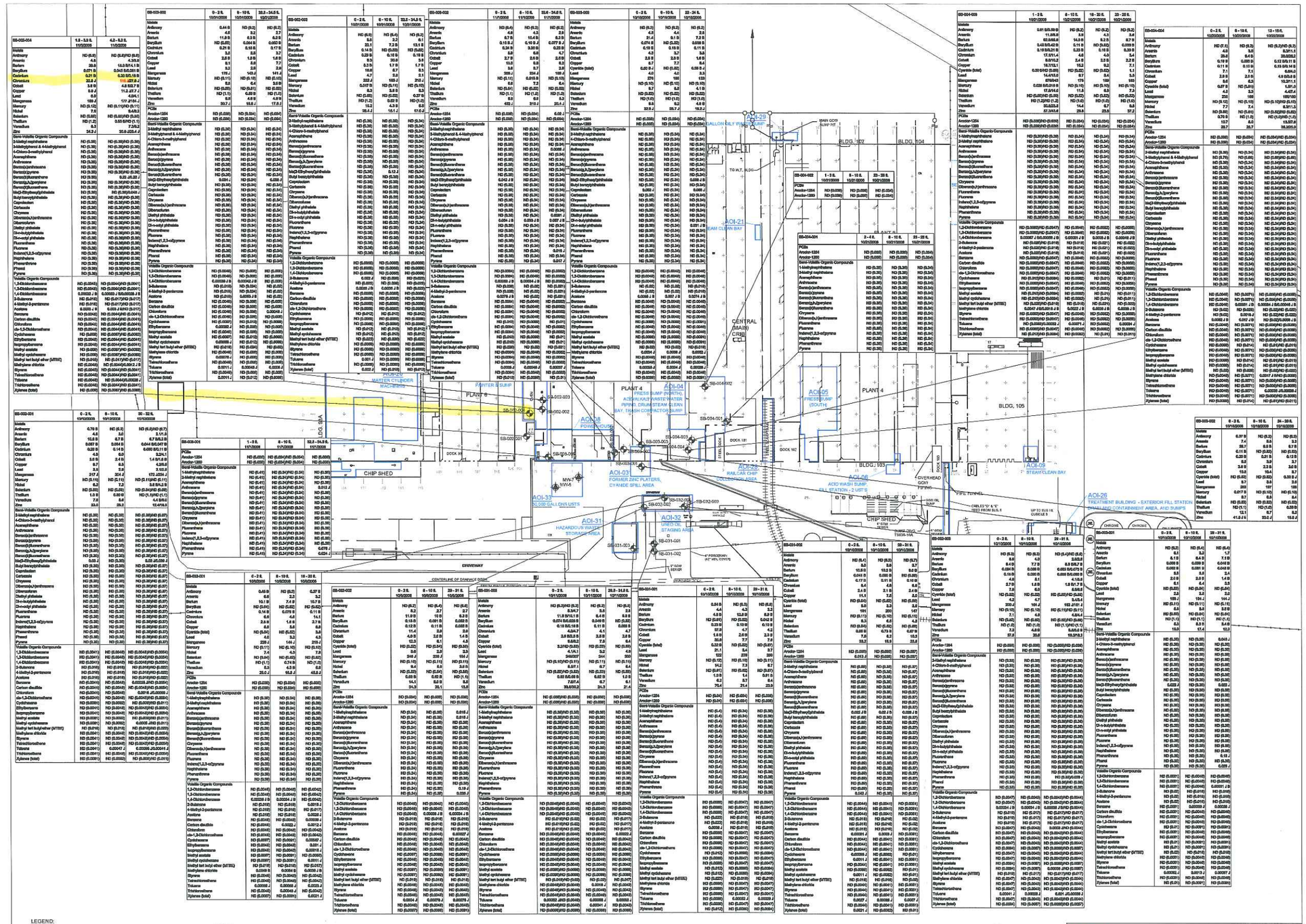
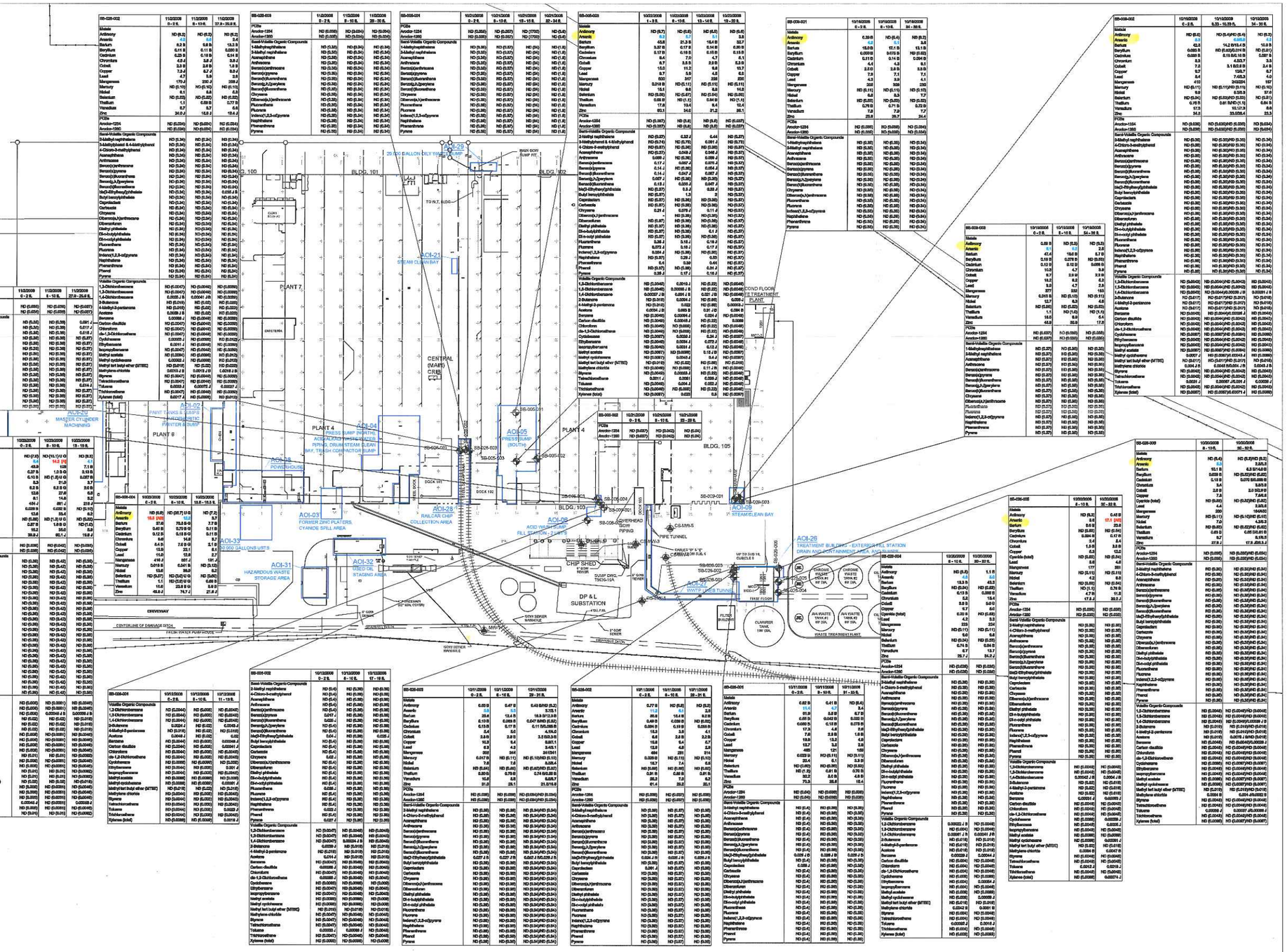
SB-032-036
SB-032-037
SB-032-038
SB-032-039
SB-032-040


AOI-29
GALLON OILY WASTE
MAIN COV SUMP PIT
BLDG. 102
BLDG. 104
TO W.T. BLDG.
AOI-21
BEAR CLEAN BAY
PLANT 5
CENTRAL MAIN CRIB CTL
AOI-04
PRESS SUMP (NORTH), ACIDWASH/WASTEWATER PIPING, DRUM STEAM CLEAN BAY, TRASH COMPACTOR SUMP
PLANT 4
AOI-05
PRESS SUMP (SOUTH)
BLDG. 105
BLDG. 103
AOI-06
ACID WASH SUMP, ELL STATION - 2 USTS
AOI-09
STEAM CLEAN BAY
AOI-26
TREATMENT BUILDING - EXTERIOR FILL STATION, DRAIN AND CONTAINMENT AREA, AND SUMPS
AOI-25
AOI-28
RAILCAR SUMP
AOI-08
POWERHOUSE
AOI-03
FORMER ZINC PLATERS, CYANIDE SPILL AREA
AOI-33
10,000 GALLON USTS
AOI-31
HAZARDOUS WASTE STORAGE AREA
AOI-32
USED OIL STAGING AREA
AOI-20
MASTER CYLINDER MACHINE
PAINTER'S SUMP
PLANT 6
CHIP SHED
DRIVEWAY
CENTERLINE OF DRIVEWAY DOCK
DOCK 101
DOCK 102
DOCK 103
DOCK 104
DOCK 105
STEEL DOCK
OVERHEAD COV TUNNEL
FIRE TUNNEL
CABLE TO 4.16 KV FEED FROM SUB. 6
UP TO 13.8 KV CUBICLE 9
CHROME
CHROME
SB-003-001
SB-003-002
SB-003-003
SB-003-004
SB-003-005
SB-003-006
SB-003-007
SB-003-008
SB-003-009
SB-003-010
SB-003-011
SB-003-012
SB-003-013
SB-003-014
SB-003-015
SB-003-016
SB-003-017
SB-003-018
SB-003-019
SB-003-020
SB-003-021
SB-003-022
SB-003-023
SB-003-024
SB-003-025
SB-003-026
SB-003-027
SB-003-028
SB-003-029
SB-003-030
SB-003-031
SB-003-032
SB-003-033
SB-003-034
SB-003-035
SB-003-036
SB-003-037
SB-003-038
SB-003-039
SB-003-040


AOI-29
20,000 GALLON DILYWATER TANK
BLDG. 101
BLDG. 102
BLDG. 100
TO W.T. BLDG.
AOI-21
STEAM CLEAN BAY
PLANT 7
CENTRAL (MAIN) CRIB
AOI-02
PAINT TANKS & SUPPLY
AOI-22
MASTER CYLINDER MACHINING
PLANT 8
AOI-04
PRESS SUMP (NORTH)
AOI-23
POWERHOUSE
PLANT 4
AOI-05
PRESS SUMP (SOUTH)
BLDG. 105
AOI-03
FORMER ZINC PLATERS. CYANIDE SPILL AREA
AOI-33
20,000 GALLONS UST'S
AOI-31
HAZARDOUS WASTE STORAGE AREA
AOI-32
USED OIL STAGING AREA
AOI-28
RAILCAR CHIP COLLECTION AREA
AOI-08
ACID WASH PROCESS FILL STATION - SUMPS
AOI-09
OVERHEAD "SOW" PIPING
CHIP SHED
DP & L SUBSTATION
AOI-26
TREATMENT BUILDING - EXTERIOR FILL STATION DRAIN AND CONTAINMENT AREA AND SUMPS
AOI-24
WWTP LIFT STATION
WASTE TREATMENT PLANT
DRIVEWAY
CENTERLINE OF DRAINAGE DITCH
FELGH WATER PUMP HOUSE
SS-005-001
SS-005-002
SS-005-003
SS-005-004
SS-005-005
SS-005-006
SS-009-001
SS-009-002
SS-009-003
SS-009-004
SS-009-005
SS-009-006
SS-009-007
SS-009-008
SS-009-009
SS-009-010
SS-009-011
SS-009-012
SS-009-013
SS-009-014
SS-009-015
SS-009-016
SS-009-017
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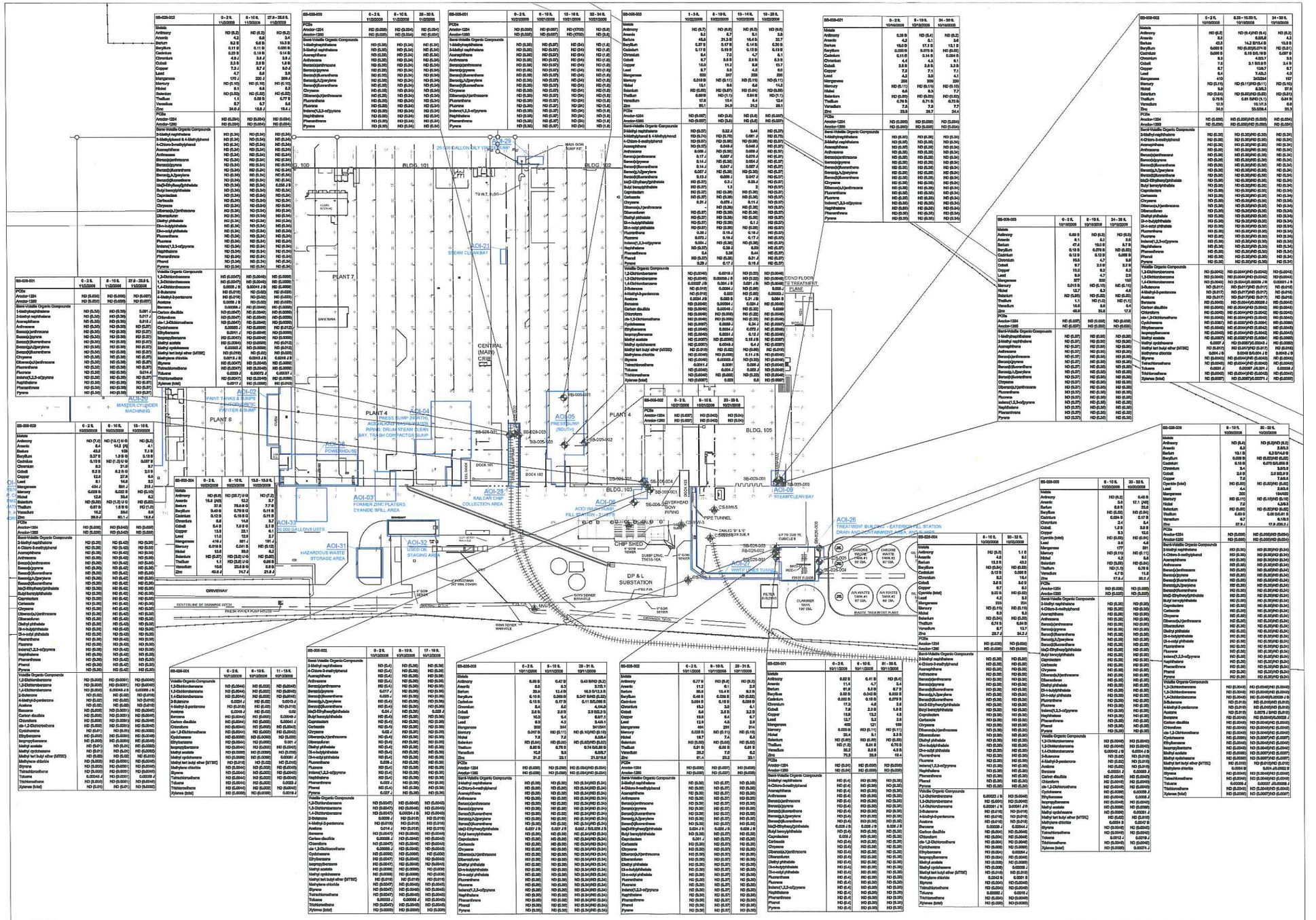
SS-009-037
SS-009-038
SS-009-039
SS-009-040



LEGEND:

- AREA OF INTEREST (AOI) (FURTHER INVESTIGATION NEEDED)
- SOIL BORING LOCATION
- MONITORING WELL LOCATION

NOTES:

1. FEATURES AND SITE LAYOUT PRESENTED IN THE BASE PLAN ARE APPROXIMATE AND BASED ON FACILITY DRAWINGS AND SITE OBSERVATIONS, LOCATIONS MAY VARY FROM SURVEY COORDINATES.
2. DATABOXES SHOWN IN MG/KG.
3. SEE SUMMARY TABLE FOR SCREENING CRITERIA.
4. CHEMICALS SHOWN IN DATABOX WERE DETECTED IN ONE OR MORE SOIL SAMPLES ON THE SITE.
5. RED INDICATES RESULT GREATER THAN DRINKING WATER PROTECTION SCREENING CRITERIA.
   CYAN INDICATES RESULT GREATER THAN DRINKING WATER PROTECTION SCREENING CRITERIA BUT LESS THAN BACKGROUND NUMBER.
6. RESULTS GREATER THAN SOIL SCREENING CRITERIA ARE SHOWN IN [ ]:
   A - RESIDENTIAL DIRECT CONTACT (PRGs)
   B - INDUSTRIAL DIRECT CONTACT (PRGs)

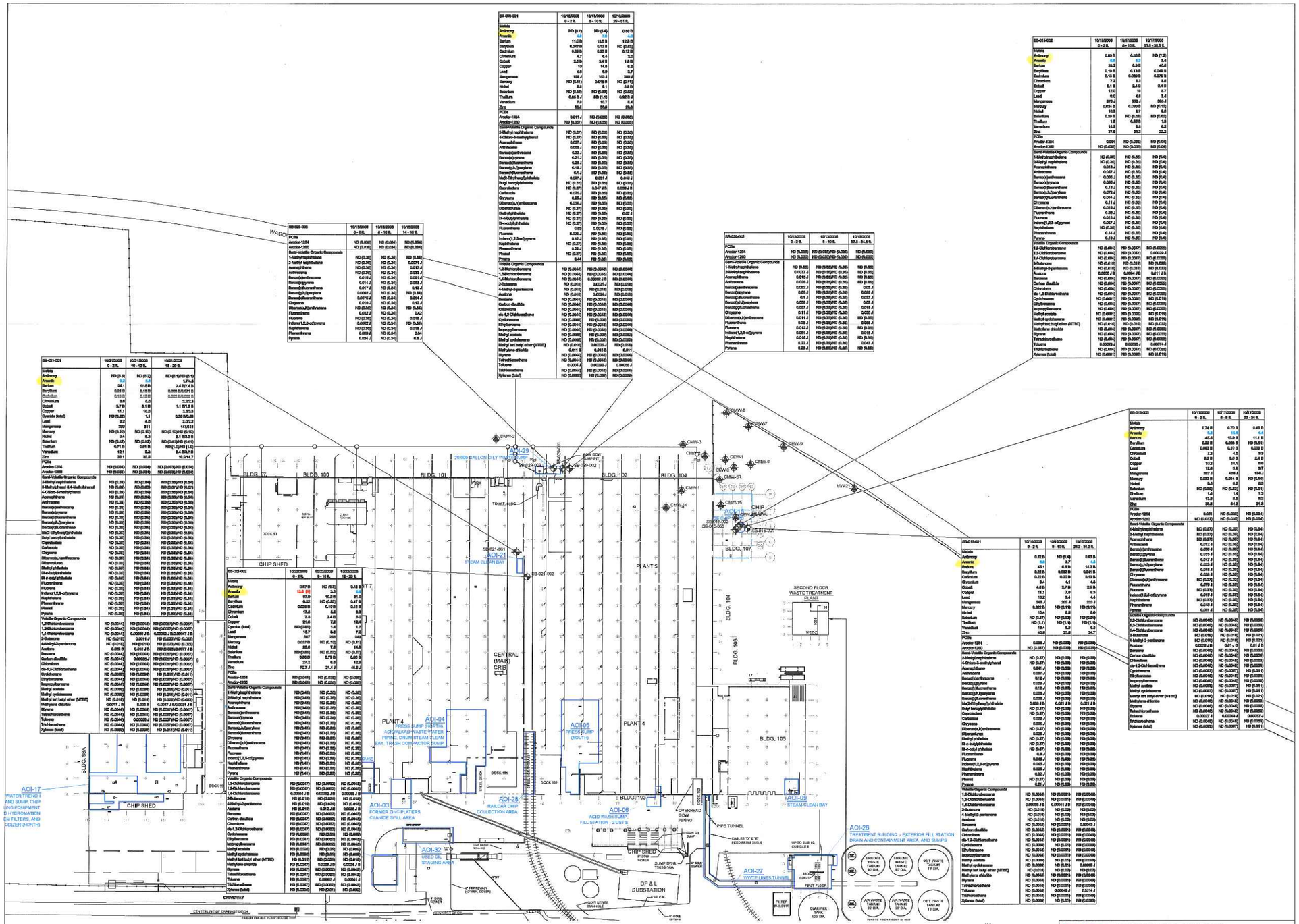
HALEY & ALDRICH

DELPHI AUTOMOTIVE HOLDINGS GROUP
NEEDMORE ROAD FACILITY
3100 NEEDMORE ROAD
DAYTON, OHIO

SOIL SAMPLING RESULTS WITH DWP SCREENING AOI-05, 06, 09, 26, AND 28

SCALE: AS SHOWN
DECEMBER 2006

FIGURE 5-3A


BLDG. 97
BLDG. 100
BLDG. 101
BLDG. 102
BLDG. 104
BLDG. 107
PLANT 5
PLANT 4
BLDG. 105
BLDG. 103
BLDG. 98A
CHIP SHED
CENTRAL (MAIN) CRIB
DP & L SUBSTATION
PIPE TUNNEL
SECOND FLOOR WASTE TREATMENT PLANT
20,000 GALLON DILY WASTE
AOI-04 PRESS SUMP (NORTH), ACID/ALKALI WASTE WATER PIPING, DRUM STEAM CLEAN BAY, TRASH COMPACTOR SUMP
AOI-05 PRESS SUMP (SOUTH)
AOI-06 ACID WASH SUMP, FILL STATION - 2 USTS
AOI-03 FORMER ZINC PLATERS CYANIDE SPILL AREA
AOI-28 RAILCAR CHIP COLLECTION AREA
AOI-32 USED OIL STAGING AREA
AOI-17 WATER TRENCH AND SUMP, CHIP AND EQUIPMENT DEHYDROMATION SEM FILTERS, AND FEEDER (NORTH)
AOI-09 STEAM CLEAN BAY
AOI-26 TREATMENT BUILDING - EXTERIOR FILL STATION DRAIN AND CONTAINMENT AREA, AND SUMPS
AOI-27 WWTP LINES TUNNEL
AOI-21 STEAM CLEAN BAY
AOI-14
MW-21
CMW-1
CMW-2
CMW-3
CMW-4
CMW-5
CMW-6
CMW-7
CMW-8
CMW-9
CMW-15
CMW-16
CEW-1
CEW-2
SB-021-001
SB-021-002
SB-021-003
SB-021-004
SB-021-005
SB-021-006
SB-021-007
SB-021-008
SB-021-009
SB-021-010
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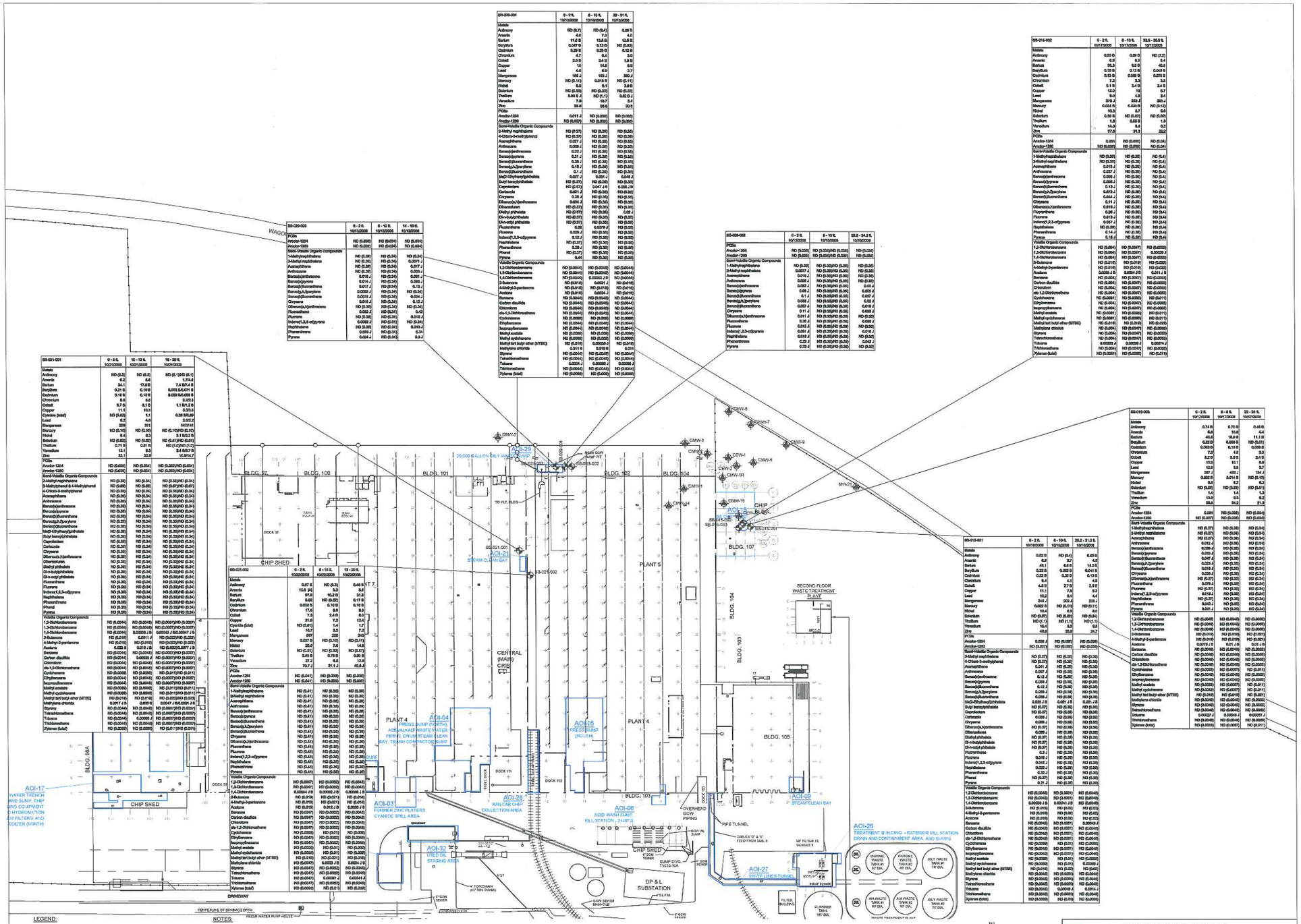


SS-029-001	0 - 2 ft. 10/13/2009	6 - 10 ft. 10/13/2009	20 - 21 ft. 10/13/2009
Metals			
Antimony	ND (8.7)	ND (5.6)	0.88 L
Arsenic	4.8	7.3	4.8
Barium	11.8 B	13.8 B	12.8 B
Beryllium	0.047 B	0.12 B	ND (0.25)
Cadmium	0.38 B	0.23 B	0.12 B
Chromium	4.1	5.4	3.8
Cobalt	3.4 B	3.4 B	1.8 B
Copper	10	14.6	4.9
Lead	4.4	6.9	3.1
Manganese	180 J	169 J	390 J
Mercury	ND (0.11)	0.015 B	ND (0.11)
Nickel	5.6	6.1	3.8 B
Selenium	ND (0.38)	ND (0.33)	ND (0.33)
Thallium	0.66 B J	ND (1.1)	0.85 B J
Vanadium	7.8	10.7	5.4
Zinc	35.6	35.8	20.3
PCBs			
Aroclor-1254	0.011 J	ND (0.050)	ND (0.050)
Aroclor-1260	ND (0.007)	ND (0.050)	ND (0.050)
Semi-Volatile Organic Compounds			
2-Methylnaphthalene	ND (0.37)	ND (0.33)	ND (0.33)
4-Chloro-3-methylphenol	ND (0.37)	ND (0.33)	ND (0.33)
Acenaphthene	0.027 J	ND (0.33)	ND (0.33)
Anthracene	0.059 J	ND (0.33)	ND (0.33)
Benzo(a)anthracene	0.39 J	ND (0.33)	ND (0.33)
Benzo(a)pyrene	0.31 J	ND (0.33)	ND (0.33)
Benzo(b)fluoranthene	0.38 J	ND (0.33)	ND (0.33)
Benzo(g,h,i)perylene	0.18 J	ND (0.33)	ND (0.33)
Benzo(k)fluoranthene	0.1 J	ND (0.33)	ND (0.33)
bis(2-Ethylhexyl)phthalate	0.077 J	0.081 J	0.042 J
Butyl benzylphthalate	ND (0.37)	ND (0.33)	ND (0.33)
Carbazole	ND (0.37)	0.017 J B	0.059 J B
Chrysene	0.051 J	ND (0.33)	ND (0.33)
Dibenzo(a,h)anthracene	0.38 J	ND (0.33)	ND (0.33)
Dibenzofuran	0.054 J	ND (0.33)	ND (0.33)
Diethyl phthalate	ND (0.37)	ND (0.33)	ND (0.33)
Di-n-butylphthalate	ND (0.37)	ND (0.33)	0.32 J
Di-n-octyl phthalate	ND (0.37)	ND (0.33)	ND (0.33)
Fluoranthene	0.65	0.0079 J	ND (0.33)
Fluorene	0.028 J	ND (0.33)	ND (0.33)
Indeno(1,2,3-cd)pyrene	0.12 J	ND (0.33)	ND (0.33)
Naphthalene	ND (0.37)	ND (0.33)	ND (0.33)
Phenanthrene	0.39 J	ND (0.33)	ND (0.33)
Pyrene	0.4 J	ND (0.33)	ND (0.33)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.0044)	ND (0.0049)	ND (0.0044)
1,3-Dichlorobenzene	ND (0.0044)	ND (0.0049)	ND (0.0044)
1,4-Dichlorobenzene	ND (0.0044)	ND (0.0049)	ND (0.0044)
2-Butanone	ND (0.0019)	0.0021 J	ND (0.0012)
4-Methyl-2-pentanone	ND (0.0019)	ND (0.0012)	ND (0.0012)
Acetone	0.0053 J	0.0118 J B	0.0053 J
Benzene	ND (0.0044)	ND (0.0049)	ND (0.0044)
Carbon disulfide	ND (0.0044)	0.0028 J	ND (0.0044)
Chloroform	ND (0.0044)	ND (0.0049)	ND (0.0044)
cis-1,2-Dichloroethene	ND (0.0044)	ND (0.0049)	ND (0.0044)
Cyclohexane	ND (0.0088)	ND (0.0098)	ND (0.0088)
Ethylbenzene	ND (0.0044)	ND (0.0049)	ND (0.0044)
Isopropylbenzene	ND (0.0044)	ND (0.0049)	ND (0.0044)
Methyl acetate	ND (0.0088)	ND (0.0098)	ND (0.0088)
Methyl cyclohexane	ND (0.0088)	ND (0.0098)	ND (0.0088)
Methyl tert butyl ether (MTBE)	ND (0.018)	ND (0.018)	ND (0.018)
Methylene chloride	0.0017 J B	0.003 B	0.0047 J BQ
Styrene	ND (0.0044)	ND (0.0049)	ND (0.0044)
Tetrachloroethene	ND (0.0044)	ND (0.0049)	ND (0.0044)
Toluene	ND (0.0044)	0.00066 J	ND (0.0044)
Trichloroethene	ND (0.0044)	ND (0.0049)	ND (0.0044)
Xylenes (total)	ND (0.0088)	ND (0.0098)	ND (0.0088)

SS-015-002	0 - 2 ft. 10/17/2009	6 - 10 ft. 10/17/2009	33.5 - 35.5 ft. 10/17/2009
Metals			
Antimony	0.65 B	0.95 B	ND (7.2)
Arsenic	6.8	6.3	1.4
Barium	38	53.9	45.4
Beryllium	0.19 B	0.13 B	0.04 B
Cadmium	0.15 B	0.09 B	0.29 B
Chromium	7.2	3.3	3.8
Cobalt	5.1 B	2.4 B	2.4 B
Copper	10.0	19	6.7
Lead	5.1	4.8	3.4
Manganese	319 J	223 J	359 J
Mercury	0.054 B	0.038 B	ND (0.12)
Nickel	10.1	8.7	6.4
Selenium	0.39 B	ND (0.33)	ND (0.33)
Thallium	1.8	0.62 B	1.3
Vanadium	14.3	8.4	8.2
Zinc	37.6	34.3	28.2
PCBs			
Aroclor-1254	0.051	ND (0.050)	ND (0.04)
Aroclor-1260	ND (0.038)	ND (0.050)	ND (0.05)
Semi-Volatile Organic Compounds			
1-Methylnaphthalene	ND (0.35)	ND (0.33)	ND (0.4)
2-Methylnaphthalene	ND (0.35)	ND (0.33)	ND (0.4)
Acenaphthene	0.013 J	ND (0.33)	ND (0.4)
Anthracene	0.037 J	ND (0.33)	ND (0.4)
Benzo(a)anthracene	0.088 J	ND (0.33)	ND (0.4)
Benzo(a)pyrene	0.098 J	ND (0.33)	ND (0.4)
Benzo(b)fluoranthene	0.13 J	ND (0.33)	ND (0.4)
Benzo(g,h,i)perylene	0.072 J	ND (0.33)	ND (0.4)
Benzo(k)fluoranthene	0.044 J	ND (0.33)	ND (0.4)
Chrysene	0.11 J	ND (0.33)	ND (0.4)
Dibenzo(a,h)anthracene	0.018 J	ND (0.33)	ND (0.4)
Fluoranthene	0.28 J	ND (0.33)	ND (0.4)
Fluorene	0.013 J	ND (0.33)	ND (0.4)
Indeno(1,2,3-cd)pyrene	0.067 J	ND (0.33)	ND (0.4)
Naphthalene	ND (0.35)	ND (0.33)	ND (0.4)
Phenanthrene	0.14 J	ND (0.33)	ND (0.4)
Pyrene	0.18 J	ND (0.33)	ND (0.4)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.004)	ND (0.0047)	ND (0.0032)
1,3-Dichlorobenzene	ND (0.004)	ND (0.0047)	0.00029 J
1,4-Dichlorobenzene	ND (0.004)	ND (0.0047)	0.00029 J
2-Butanone	ND (0.012)	ND (0.012)	ND (0.022)
4-Methyl-2-pentanone	ND (0.012)	ND (0.012)	ND (0.022)
Acetone	0.0098 J B	0.0041 J B	0.011 J B
Benzene	ND (0.004)	ND (0.0047)	ND (0.0032)
Carbon disulfide	ND (0.004)	ND (0.0047)	ND (0.0032)
Chloroform	ND (0.004)	ND (0.0047)	ND (0.0032)
cis-1,2-Dichloroethene	ND (0.004)	ND (0.0047)	ND (0.0032)
Cyclohexane	ND (0.008)	ND (0.009)	ND (0.011)
Ethylbenzene	ND (0.004)	ND (0.0047)	ND (0.0032)
Isopropylbenzene	ND (0.004)	ND (0.0047)	ND (0.0032)
Methyl acetate	ND (0.0081)	ND (0.009)	ND (0.011)
Methyl cyclohexane	ND (0.008)	ND (0.009)	ND (0.011)
Methyl tert butyl ether (MTBE)	ND (0.016)	ND (0.018)	ND (0.025)
Methylene chloride	ND (0.004)	ND (0.0047)	ND (0.0032)
Styrene	ND (0.004)	ND (0.0047)	ND (0.0032)
Tetrachloroethene	ND (0.004)	ND (0.0047)	ND (0.0032)
Toluene	0.00032 J	0.00049 J	0.00074 J
Trichloroethene	ND (0.004)	ND (0.0047)	ND (0.0032)
Xylenes (total)	ND (0.0081)	ND (0.009)	ND (0.011)

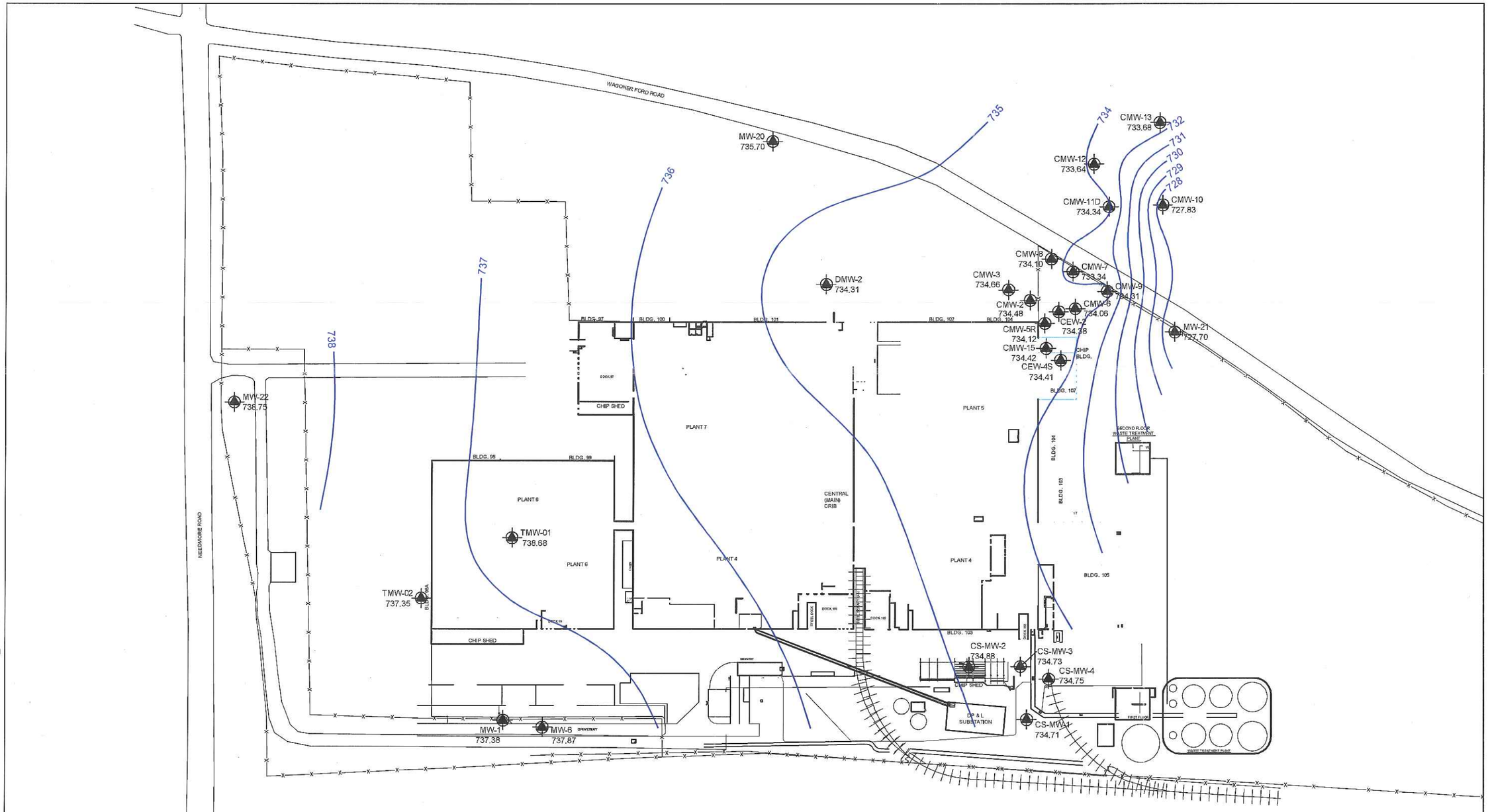
SS-029-003	0 - 2 ft. 10/13/2009	6 - 10 ft. 10/13/2009	32.5 - 34.5 ft. 10/13/2009
PCBs			
Aroclor-1254	ND (0.050)	ND (0.050)	ND (0.050)
Aroclor-1260	ND (0.050)	ND (0.050)	ND (0.050)
Semi-Volatile Organic Compounds			
1-Methylnaphthalene	ND (0.33)	ND (0.33)	ND (0.33)
2-Methylnaphthalene	ND (0.33)	ND (0.33)	ND (0.33)
Acenaphthene	0.016 J	ND (0.33)	ND (0.33)
Anthracene	0.058 J	ND (0.33)	ND (0.33)
Benzo(a)anthracene	0.082 J	ND (0.33)	0.09 J
Benzo(a)pyrene	0.09 J	ND (0.33)	0.09 J
Benzo(b)fluoranthene	0.1 J	ND (0.33)	0.097 J
Benzo(g,h,i)perylene	0.058 J	ND (0.33)	0.08 J
Benzo(k)fluoranthene	0.037 J	ND (0.33)	0.019 J
Chrysene	0.1 J	ND (0.33)	0.098 J
Dibenzo(a,h)anthracene	0.01 J	ND (0.33)	ND (0.33)
Fluoranthene	0.38 J	ND (0.33)	0.098 J
Fluorene	0.012 J	ND (0.33)	ND (0.33)
Indeno(1,2,3-cd)pyrene	0.06 J	ND (0.33)	0.016 J
Naphthalene	0.018 J	ND (0.33)	ND (0.33)
Phenanthrene	0.22 J	ND (0.33)	0.042 J
Pyrene	0.33 J	ND (0.33)	ND (0.33)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.004)	ND (0.0047)	ND (0.0032)
1,3-Dichlorobenzene	ND (0.004)	ND (0.0047)	0.00029 J
1,4-Dichlorobenzene	ND (0.004)	ND (0.0047)	0.00029 J
2-Butanone	ND (0.012)	ND (0.012)	ND (0.022)
4-Methyl-2-pentanone	ND (0.012)	ND (0.012)	ND (0.022)
Acetone	0.0098 J B	0.0041 J B	0.011 J B
Benzene	ND (0.004)	ND (0.0047)	ND (0.0032)
Carbon disulfide	ND (0.004)	ND (0.0047)	ND (0.0032)
Chloroform	ND (0.004)	ND (0.0047)	ND (0.0032)
cis-1,2-Dichloroethene	ND (0.004)	ND (0.0047)	ND (0.0032)
Cyclohexane	ND (0.008)	ND (0.009)	ND (0.011)
Ethylbenzene	ND (0.004)	ND (0.0047)	ND (0.0032)
Isopropylbenzene	ND (0.004)	ND (0.0047)	ND (0.0032)
Methyl acetate	ND (0.0081)	ND (0.009)	ND (0.011)
Methyl cyclohexane	ND (0.008)	ND (0.009)	ND (0.011)
Methyl tert butyl ether (MTBE)	ND (0.016)	ND (0.018)	ND (0.025)
Methylene chloride	ND (0.004)	ND (0.0047)	ND (0.0032)
Styrene	ND (0.004)	ND (0.0047)	ND (0.0032)
Tetrachloroethene	ND (0.004)	ND (0.0047)	ND (0.0032)
Toluene	0.00032 J	0.00049 J	0.00074 J
Trichloroethene	ND (0.004)	ND (0.0047)	ND (0.0032)
Xylenes (total)	ND (0.0081)	ND (0.009)	ND (0.011)

SS-015-001	0 - 2 ft. 10/17/2009	6 - 10 ft. 10/17/2009	35.2 - 37.2 ft. 10/17/2009
Metals			
Antimony	0.52 B	ND (6.4)	0.69 B
Arsenic	6.8	3.7	4.5
Barium	45.1	8.8 B	14.9 B
Beryllium	0.22 B	0.032 B	0.041 B
Cadmium	0.32 B	0.32 B	0.13 B
Chromium	6.4	4.1	4.8
Cobalt	4.8 B	2.7 B	2.8 B
Copper	11.1	7.8	8.5
Lead	15.2	8.1	4.4
Manganese	340 J	202 J	223 J
Mercury	0.023 B	ND (0.11)	ND (0.11)
Nickel	10.4	8.3	8.0
Selenium	ND (0.37)	ND (0.34)	ND (0.34)
Thallium	ND (1.1)	ND (1.1)	ND (1.1)
Vanadium	15.4	8.4	8.8
Zinc	49.8	35.8	34.7
PCBs			
Aroclor-1254	0.038 J	ND (0.050)	ND (0.050)
Aroclor-1260	ND (0.037)	ND (0.050)	ND (0.050)
Semi-Volatile Organic Compounds			
2-Methylnaphthalene	ND (0.37)	ND (0.33)	ND (0.33)
4-Chloro-3-methylphenol	ND (0.37)	ND (0.33)	ND (0.33)
Acenaphthene	0.047 J	ND (0.33)	ND (0.33)
Anthracene	0.12 J	ND (0.33)	ND (0.33)
Benzo(a)pyrene	0.099 J	ND (0.33)	ND (0.33)
Benzo(b)fluoranthene	0.41 J	ND (0.33)	ND (0.33)
Benzo(g,h,i)perylene	0.099 J	ND (0.33)	ND (0.33)
Benzo(k)fluoranthene	0.12 J	ND (0.33)	ND (0.33)
bis(2-Ethylhexyl)phthalate	0.088 J B	0.081 J B	0.062 J B
Butyl benzylphthalate	ND (0.37)	ND (0.33)	ND (0.33)
Carbazole	ND (0.37)	ND (0.33)	ND (0.33)
Chrysene	0.099 J	ND (0.33)	ND (0.33)
Dibenzofuran	0.039 J	ND (0.33)	ND (0.33)
Dibenzo(a,h)anthracene	ND (0.37)	ND (0.33)	ND (0.33)
Fluoranthene	0.22 J	ND (0.33)	ND (0.33)
Diethyl phthalate	ND (0.37)	ND (0.33)	ND (0.33)
Di-n-butylphthalate	ND (0.37)	ND (0.33)	ND (0.33)
Di-n-octyl phthalate	ND (0.37)	ND (0.33)	ND (0.33)
Fluorene	0.03 J	ND (0.33)	ND (0.33)
Indeno(1,2,3-cd)pyrene	0.07 J	ND (0.33)	ND (0.33)
Naphthalene	0.022 J	ND (0.33)	ND (0.33)
Phenanthrene	0.18 J	ND (0.33)	ND (0.33)
Pyrene	0.18 J	ND (0.33)	ND (0.33)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.0047)	ND (0.0039)	ND (0.0046)
1,3-Dichlorobenzene	ND (0.0047)	ND (0.0039)	ND (0.0046)
1,4-Dichlorobenzene	0.00034 J B	0.00032 J B	0.00038 J B
2-Butanone	ND (0.012)	ND (0.011)	ND (0.012)
4-Methyl-2-pentanone	ND (0.012)	ND (0.011)	ND (0.012)
Acetone	0.0 (0.012)	0.012 J B	0.0059 J B
Benzene	ND (0.0047)	ND (0.0039)	ND (0.0046)
Carbon disulfide	ND (0.0047)	ND (0.0039)	ND (0.0046)
Chloroform	ND (0.0047)	ND (0.0039)	ND (0.0046)
cis-1,2-Dichloroethene	ND (0.0047)	ND (0.0039)	ND (0.0046)
Cyclohexane	ND (0.0093)	ND (0.01)	ND (0.0092)
Ethylbenzene	ND (0.0047)	ND (0.0039)	ND (0.0046)
Isopropylbenzene	ND (0.0047)	ND (0.0039)	ND (0.0046)
Methyl acetate	ND (0.0093)	ND (0.01)	ND (0.0092)
Methyl cyclohexane	ND (0.0093)	ND (0.01)	ND (0.0092)
Methyl tert butyl ether (MTBE)	ND (0.018)	ND (0.021)	ND (0.018)
Methylene chloride	ND (0.0047)	0.0028 J B	0.0054 J B
Styrene	ND (0.0047)	ND (0.0039)	ND (0.0046)
Tetrachloroethene	ND (0.0047)	ND (0.0039)	ND (0.0046)
Toluene	0.00097 J	0.00097 J	0.00061 J
Trichloroethene	ND (0.0047)	ND (0.0039)	ND (0.0046)
Xylenes (total)	ND (0.0093)	ND (0.01)	ND (0.0092)

SS-029-001	0 - 2 ft. 10/13/2009	10 - 12 ft. 10/13/2009	19 - 20 ft. 10/13/2009
Metals			
Antimony	ND (8.3)	ND (8.2)	ND (6.1)[ND (6.1)]
Arsenic	6.2	8.8	1.7[6.2]
Barium	34.1	17.8 B	7.4 B[75.4 B]
Beryllium	0.31 B	0.19 B	0.05 B[0.61 B]
Cadmium	0.18 B	0.12 B	0.05 B[0.88 B]
Chromium	5.6	5.8	3.3[5.3]
Cobalt	5.7 B	3.1 B	1.1 B[1.2 B]
Copper	11.1	10.9	3.3[5.4]
Cyanide (total)	ND (0.42)	1.1	0.38 B[0.88]
Lead	6.2	4.8	2.0[5.2]
Manganese	299	311	0.6[141]
Mercury	ND (0.10)	ND (0.10)	ND (0.10)[ND (0.10)]
Nickel	8.8	8.3	5.1 B[5.3 B]
Selenium	ND (0.33)	ND (0.32)	ND (0.31)[ND (0.31)]
Thallium	0.71 B	0.81 B	ND (1.0)[ND (1.0)]
Vanadium	13.1	9.3	5.4 B[7.9]
Zinc	33.1	35.8	10.9[14.7]
PCBs			
Aroclor-1254	ND (0.038)	ND (0.050)	ND (0.052)[ND (0.054)]
Aroclor-1260	ND (0.038)	ND (0.050)	ND (0.052)[ND (0.054)]
Semi-Volatile Organic Compounds			
2-Methylnaphthalene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
2-Methylphenol & 4-Methylphenol	ND (0.69)	ND (0.68)	ND (0.67)[ND (0.68)]
4-Chloro-3-methylphenol	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Acenaphthene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Anthracene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Benzo(a)anthracene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Benzo(a)pyrene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Benzo(b)fluoranthene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Benzo(g,h,i)perylene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Benzo(k)fluoranthene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
bis(2-Ethylhexyl)phthalate	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Butyl benzylphthalate	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Carbazole	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Chrysene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Dibenzo(a,h)anthracene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Dibenzofuran	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Diethyl phthalate	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Di-n-butylphthalate	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Di-n-octyl phthalate	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Fluoranthene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Fluorene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Indeno(1,2,3-cd)pyrene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Naphthalene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Phenanthrene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Pyrene	ND (0.35)	ND (0.34)	ND (0.33)[ND (0.34)]
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
1,3-Dichlorobenzene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
1,4-Dichlorobenzene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
2-Butanone	ND (0.0023)	0.0021 J	ND (0.0022)[ND (0.0023)]
4-Methyl-2-pentanone	ND (0.0023)	ND (0.0024)	ND (0.0022)[ND (0.0023)]
Acetone	0.0053 J	0.0118 J B	0.0053 J B[0.0053 J B]
Benzene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
Carbon disulfide	ND (0.0046)	0.0028 J	ND (0.0044)[ND (0.0047)]
Chloroform	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
cis-1,2-Dichloroethene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
Cyclohexane	ND (0.0092)	ND (0.0098)	ND (0.0088)[ND (0.0094)]
Ethylbenzene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
Isopropylbenzene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
Methyl acetate	ND (0.0092)	ND (0.0098)	ND (0.0088)[ND (0.0094)]
Methyl cyclohexane	ND (0.0092)	ND (0.0098)	ND (0.0088)[ND (0.0094)]
Methyl tert butyl ether (MTBE)	ND (0.018)	ND (0.019)	ND (0.018)[ND (0.019)]
Methylene chloride	ND (0.0046)	0.0028 J B	0.0034 J B[0.0034 J B]
Styrene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
Tetrachloroethene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
Toluene	0.00097 J	0.00097 J	0.00061 J[0.00061 J]
Trichloroethene	ND (0.0046)	ND (0.0049)	ND (0.0044)[ND (0.0047)]
Xylenes (total)	ND (0.0092)	ND (0.0098)	ND (0.0088)[ND (0.0094)]

SS-029-002	6 - 8 ft. 10/13/2009	8 - 10 ft. 10/13/2009	19 - 20 ft. 10/13/2009
Metals			
Antimony	0.87 B	ND (6.3)	0.48 B[0.77 B]
Arsenic	15.8 [N]	3.3	3.8
Barium	97.2	16.2 B	34.8
Beryllium	0.45	ND (0.42)	0.17 B
Cadmium	0.03 B	0.16 B	0.18 B
Chromium	17.5	6.9	9.3
Cobalt	7.3	3.4 B	3.7
Copper	7.8	7.2	13.4
Cyanide (total)	ND (0.41)	1.4	1.7
Lead	15.7	3.3	7.2
Manganese	1,000	288	1,000
Mercury	0.037 B	ND (0.10)	ND (0.11)
Nickel	20.4	7.6	14.7
Selenium	ND (0.33)	ND (0.32)	ND (0.37)
Thallium	0.92 B	0.74 B	0.85 B
Vanadium	31.2	9.8	13.6
Zinc	75.7 J	51.1 J	45.8 J
PCBs			
Aroclor-1254	ND (0.041)	ND (0.050)	ND (0.050)
Aroclor-1260	ND (0.041)	ND (0.050)	ND (0.050)
Semi-Volatile Organic Compounds			
1-Methylnaphthalene	ND (0.41)	ND (0.33)	ND (0.35)
2-Methylnaphthalene	ND (0.41)	ND (0.33)	ND (0.35)
Acenaphthene	ND (0.41)	ND (0.33)	ND (0.35)
Anthracene	ND (0.41)	ND (0.33)	ND (0.35)
Benzo(a)anthracene	ND (0.41)	ND (0.33)	ND (0.35)
Benzo(a)pyrene	ND (0.41)	ND (0.33)	ND (0.35)
Benzo(b)fluoranthene	ND (0.41)	ND (0.33)	ND (0.35)
Benzo(g,h,i)perylene	ND (0.41)	ND (0.33)	ND (0.35)
Benzo(k)fluoranthene	ND (0.41)	ND (0.33)	ND (0.35)
Chrysene	ND (0.41)	ND (0.33)	ND (0.35)
Dibenzo(a,h)anthracene	ND (0.41)	ND (0.33)	ND (0.35)
Fluoranthene	ND (0.41)	ND (0.33)	ND (0.35)
Fluorene	ND (0.41)	ND (0.33)	ND (0.35)
Indeno(1,2,3-cd)pyrene	ND (0.41)	ND (0.33)	ND (0.35)
Naphthalene	ND (0.41)	ND (0.33)	ND (0.35)
Phenanthrene	ND (0.41)	ND (0.33)	ND (0.35)
Pyrene	ND (0.41)	ND (0.33)	ND (0.35)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.0047)	ND (0.0032)	ND (0.0045)
1,3-Dichlorobenzene	ND (0.0047)	ND (0.0032)	ND (0.0045)
1,4-Dichlorobenzene	0.00034 J B	0.00032 J B	0.00038 J B
2-Butanone	ND (0.012)	ND (0.011)	ND (0.012)
4-Methyl-2-pentanone	ND (0.012)	0.012 J B	0.0059 J B
Acetone	0.0 (0.012)	ND (0.011)	ND (0.012)
Benzene	ND (0.0047)	ND (0.0032)	ND (0.0045)
Carbon disulfide	ND (0.0047)	ND (0.0032)	ND (0.0045)
Chloroform	ND (0.0047)	ND (0.0032)	ND (0.0045)
cis-1,2-Dichloroethene	ND (0.0047)	ND (0.0032)	ND (0.0045)
Cyclohexane	ND (0.0093)	ND (0.01)	ND (0.0092)
Ethylbenzene	ND (0.0047)	ND (0.0032)	ND (0.0045)
Isopropylbenzene	ND (0.0047)	ND (0.0032)	ND (0.0045)
Methyl acetate	ND (0.0093)	ND (0.01)	ND (0.0092)
Methyl cyclohexane	ND (0.0093)	ND (0.01)	ND (0.0092)
Methyl tert butyl ether (MTBE)	ND (0.018)	ND (0.021)	ND (0.018)
Methylene chloride	ND (0.0047)	0.0028 J B	0.0054 J B
Styrene	ND (0.0047)	ND (0.0032)	ND (0.0045)
Tetrachloroethene	ND (0.0047)	ND (0.0032)	ND (0.0045)
Toluene	0.00097 J	0.00097 J	0.00061 J
Trichloroethene	ND (0.0047)	ND (0.0032)	ND (0.0045)
Xylenes (total)	ND (0.0093)	ND (0.01)	ND (0.0092)

SS-015-003	0 - 2 ft. 10/17/2009	6 - 8 ft. 10/17/2009	22 - 24 ft. 10/17/2009
Metals			
Antimony	0.74 B	0.70 B	0.46 B
Arsenic	6.2	10.6	4.4
Barium	45.6	18.9 B	11.1 B
Beryllium	0.23 B	0.059 B	ND (0.21)
Cadmium	0.09 B	0.15 B	0.09 B
Chromium	7.2	4.9	3.3
Cobalt	8.2 B	3.2 B	2.4 B
Copper	10.3	10.1	9.9
Lead	12.8	5.8	3.7
Manganese	397 J	488 J	184 J
Mercury	0.058 B	0.014 B	ND (0.10)
Nickel	9.8	8.3	6.0
Selenium	ND (0.35)	ND (0.33)	ND (0.31)
Thallium	1.4	1.4	1.2
Vanadium	13.8	8.3	8.3
Zinc	35.0	34.0	31.0
PCBs			
Aroclor-1254	0.05	ND (0.050)	ND (0.050)
Aroclor-1260	ND (0.037)	ND (0.050)	ND (0.050)
Semi-Volatile Organic Compounds			
1-Methylnaphthalene	ND (0.37)	ND (0.33)	ND (0.34)
2-Methylnaphthalene	ND (0.37)	ND (0.33)	ND (0.34)
Acenaphthene	ND (0.37)	ND (0.33)	ND (0.34)
Anthracene	0.052 J	ND (0.33)	ND (0.34)
Benzo(a)anthracene	0.28 J	ND (0.33)	ND (0.34)
Benzo(a)pyrene	0.26 J	ND (0.33)	ND (0.34)
Benzo(b)fluoranthene	0.047 J	ND (0.33)	ND (0.34)
Benzo(g,h,i)perylene	0.18 J	ND (0.33)	ND (0.34)
Benzo(k)fluoranthene	0.09 J	ND (0.33)	ND (0.34)
Chrysene	0.28 J	ND (0.33)	ND (0.34)
Dibenzofuran	0.018 J	ND (0.33)	ND (0.34)
Dibenzo(a,h)anthracene	ND (0.37)	ND (0.33)	ND (0.34)
Fluoranthene	0.58 J	ND (0.33)	ND (0.34)
Fluorene	0.02 J	ND (0.33)	ND (0.34)
Indeno(1,2,3-cd)pyrene	0.17 J	ND (0.33)	ND (0.34)
Naphthalene	ND (0.37)	ND (0.33)	ND (0.34)
Phenanthrene	0.37 J	ND (0.33)	ND (0.34)
Pyrene	0.47 J	ND (0.33)	ND (0.34)
Volatile Organic Compounds			
1,2-Dichlorobenzene	ND (0.0045)	ND (0.0039)	ND (0.0045)
1,3-Dichlorobenzene	ND (0.0045)	ND (0.0039)	ND (0.0045)
1,4-Dichlorobenzene	0.00029 J B	0.00041 J B	ND (0.0045)
2-Butanone	ND (0.0113)	ND (0.02)	ND (0.02)
4-Methyl-2-pentanone	ND (0.0113)	ND (0.02)	ND (0.02)
Acetone	ND (0.0113)	ND (0.02)	ND (0.02)
Benzene	ND (0.0045)	ND (0.0039)	0.00043 J
Carbon disulfide	ND (0.0045)	ND (0.0039)	ND (0.0045)
Chloroform	ND (0.0045)	ND (0.0039)	ND (0.0045)
cis-1,2-Dichloroethene	ND (0.0045)	ND (0.0039)	ND (0.0045)
Cyclohexane	ND (0.0089)	ND (0.01)	ND (0.0089)
Ethylbenzene	ND (0.0045)	ND (0.0039)	ND (0.0045)
Isopropylbenzene	ND (0.0045)	ND (0.0039)	ND (0.0045)
Methyl acetate	ND (0.0089)	ND (0.01)	ND (0.0089)



LEGEND:

- RAILROAD
- FENCE
- 595 GROUNDWATER CONTOUR ELEVATION
- MONITORING WELL LOCATION

NOTES:

1. FEATURES AND SITE LAYOUT PRESENTED IN THE BASE PLAN ARE APPROXIMATE AND BASED ON FACILITY DRAWINGS AND SITE OBSERVATIONS. LOCATIONS MAY VARY FROM SURVEY COORDINATES.

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APPROXIMATE SCALE IN FEET

HALEY & ALDRICH

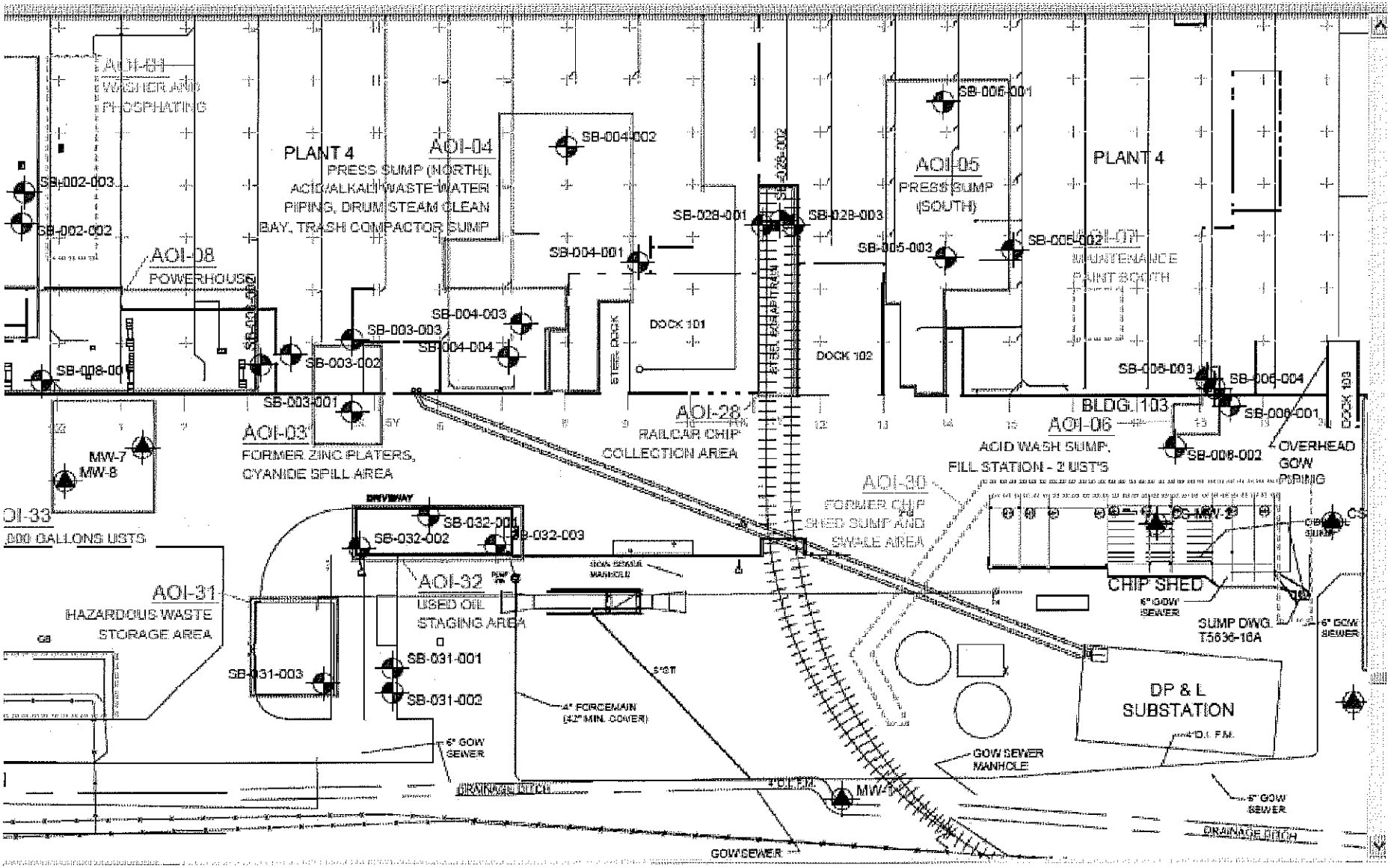
DELPHI AUTOMOTIVE HOLDINGS GROUP
NEEDMORE ROAD FACILITY
3100 NEEDMORE ROAD
DAYTON, OHIO

POTENTIOMETRIC SURFACE CONTOURS
(DECEMBER 2006)

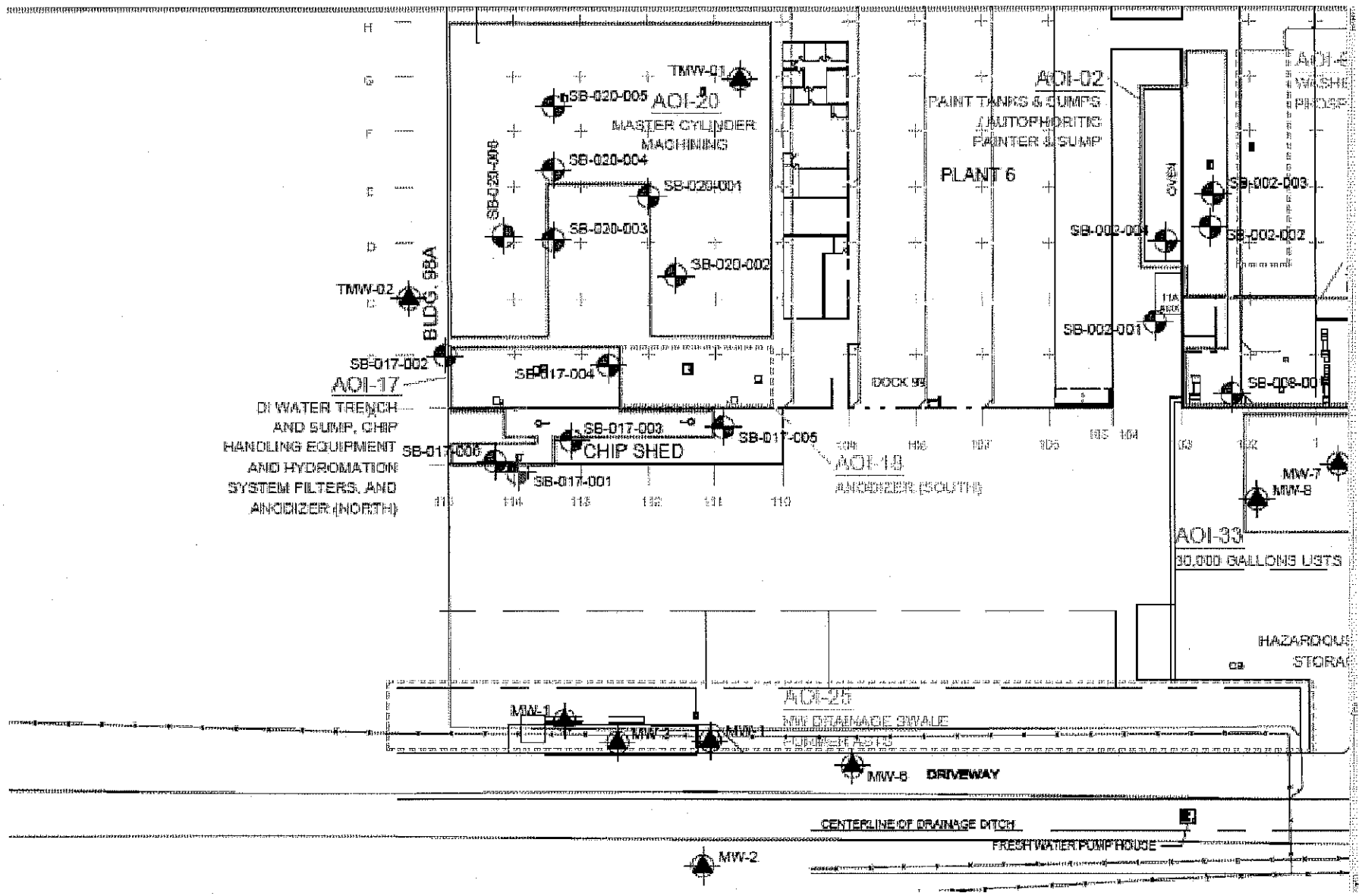
SCALE: AS SHOWN
JANUARY 2007

FIGURE 6

G:\33520_DELPHI\105_NEEDMORE\CAD\DRAWINGS\33520-105-GW CONTOURS_R3.DWG



AOI-01
WASHER AND PHOSPHATING
PLANT 4
AOI-04
PRESS SUMP (NORTH), ACID/ALKALI WASTE WATER PIPING, DRUM STEAM CLEAN BAY, TRASH COMPACTOR SUMP
SB-004-002
SB-002-003
SB-002-002
AOI-08
POWERHOUSE
SB-004-001
SB-028-001
SB-028-003
SB-005-001
AOI-05
PRESS SUMP (SOUTH)
PLANT 4
SB-005-003
SB-005-002
AOI-07
MAINTENANCE PAINT BOOTH
SB-004-003
SB-003-003
SB-004-004
SB-003-002
SB-008-001
DOCK 101
DOCK 102
SB-006-003
SB-006-004
SB-006-001
SB-003-001
AOI-03
FORMER ZINC PLATERS, CYANIDE SPILL AREA
AOI-28
RAILCAR CHIP COLLECTION AREA
BLDG. 103
AOI-06
ACID WASH SUMP, FILL STATION - 2 UST'S
SB-008-002
OVERHEAD GOW PIPING
DOCK 103
MW-7
MW-8
OI-33
000 GALLONS USTS
AOI-30
FORMER CHIP SHED SUMP AND SWALE AREA
DRIVEWAY
SB-032-001
SB-032-002
SB-032-003
AOI-31
HAZARDOUS WASTE STORAGE AREA
AOI-32
USED OIL STAGING AREA
CHIP SHED
6" GOW SEWER
SUMP DWG. T5636-16A
SB-031-003
SB-031-001
SB-031-002
4" FORCEMAIN (42" MIN. COVER)
DP & L SUBSTATION
6" GOW SEWER
GOW SEWER MANHOLE
DRAINAGE DITCH
MW-1
GOW SEWER


AOI-20
MASTER CYLINDER MACHINING
TMW-01
SB-020-005
SB-020-004
SB-020-001
SB-020-003
SB-020-002
SB-023-006
BLDG. 68A
TMW-02
SB-017-002
AOI-17
DI WATER TRENCH AND SUMP, CHIP HANDLING EQUIPMENT AND HYDROMATION SYSTEM FILTERS, AND ANODIZER (NORTH)
SB-017-004
SB-017-003
SB-017-005
SB-017-006
SB-017-001
CHIP SHED
AOI-18
ANODIZER (SOUTH)
DOCK 99
PLANT 6
AOI-02
PAINT TANKS & SUMPS / AUTOPHORITIS PAINTER & SUMP
OVEN
SB-002-003
SB-002-004
SB-002-002
SB-002-001
AOI-4
WASHE PIT/SP
SB-008-00
MW-7
MW-8
AOI-33
30,000 GALLONS USTS
HAZARDOUS STORAG
AOI-25
NW DRAINAGE SWALE
MW-1
MW-3
MW-4
MW-6
DRIVEWAY
CENTERLINE OF DRAINAGE DITCH
FRESH WATER PUMP HOUSE
MW-2

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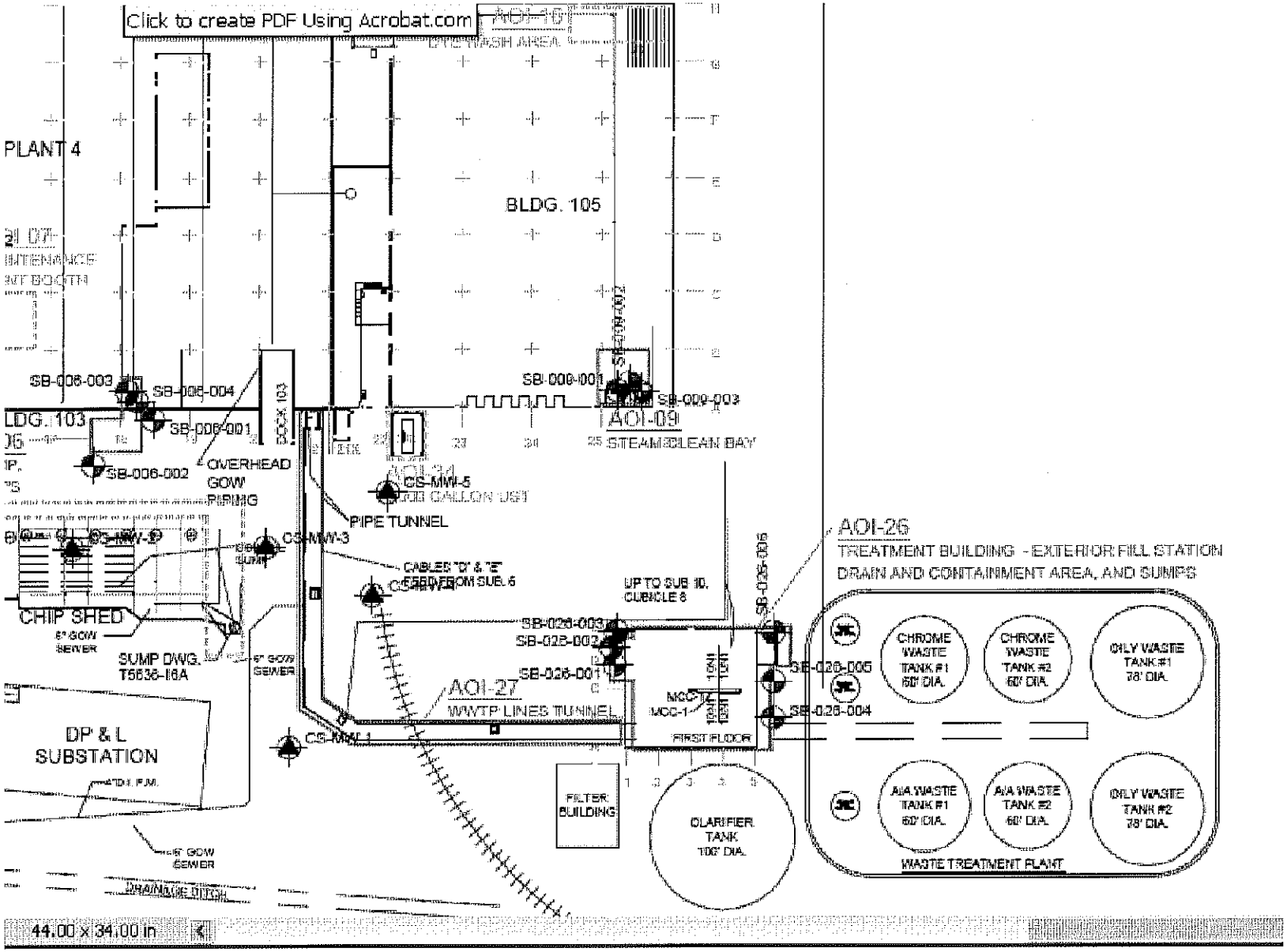

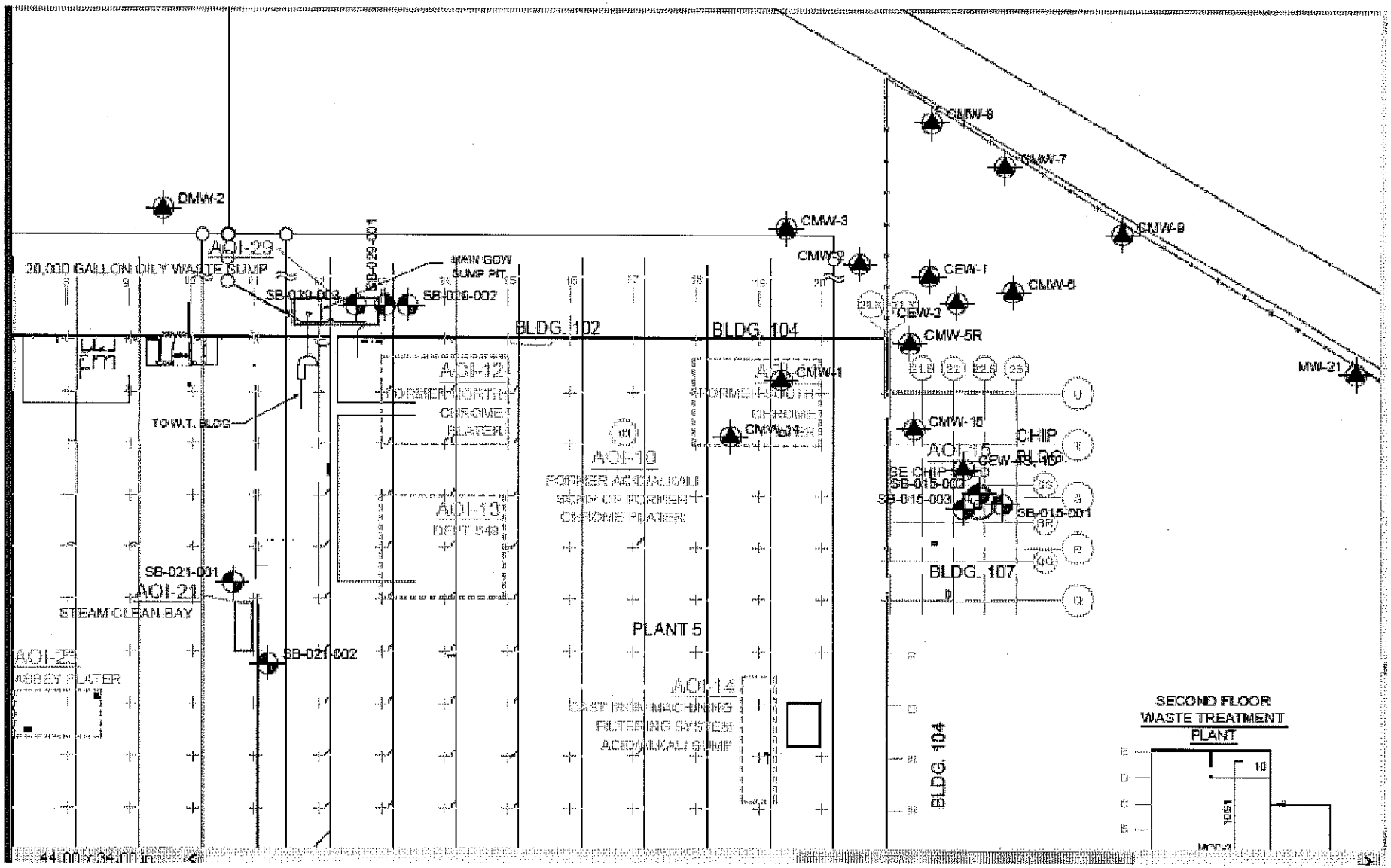

DMW-2
AOI-29
20,000 GALLON OILY WASTE SUMP
SB-029-003
SB-029-001
SB-029-002
MAIN GOW SUMP PIT
BLDG. 102
BLDG. 104
CMW-3
CMW-2
CMW-8
CMW-7
CMW-9
CEW-1
CMW-6
CEW-2
CMW-5R
MW-21
AOI-12
FORMER NORTH CHROME PLATER
CMW-1
FORMER SOUTH CHROME PLATER
CMW-14
CMW-15
CHIP BLDG.
AOI-15
CEW-13
SB-015-003
SB-015-003
SB-015-001
TO W.T. BLDG
AOI-10
FORMER ACID/ALKALI SUMP OF FORMER CHROME PLATER
AOI-13
DEPT 549
BLDG. 107
SB-021-001
AOI-21
STEAM CLEAN BAY
PLANT 5
SB-021-002
AOI-25
ABBEY PLATER
AOI-14
CAST IRON MACHINING FILTERING SYSTEM ACID/ALKALI SUMP
BLDG. 104
SECOND FLOOR WASTE TREATMENT PLANT
44.00 x 34.00 in