

**Revitalizing Auto Communities Environmental
Response (RACER) Trust**

**Resource Conservation and Recovery Act Facility
Investigation (RFI)**

Phase I Activities Summary Report

Lansing Plants 2, 3 and 6 Industrial Land

Lansing, Michigan

January 30, 2012



A handwritten signature in black ink, reading "Amy L. Hoeksema".

Amy L. Hoeksema, C.P.G.
Certified Project Manager / Vice President

A handwritten signature in blue ink, reading "Scott J. Clearwater".

Scott J. Clearwater
Associate Project Manager

A handwritten signature in blue ink, reading "Patrick Curry".

Patrick Curry, C.P.G.
Project Geologist

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Industrial Land
Lansing, Michigan

Prepared for:
Revitalizing Auto Communities
Environmental Response (RACER) Trust

Prepared by:
ARCADIS G&M of Michigan, LLC
10559 Citation Drive
Suite 100
Brighton
Michigan 48116
Tel 810 229 8594
Fax 810 229 8837
www.arcadis-us.com

Our Ref.:
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Acronyms and Abbreviations

AOI	Area of Interest
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CCR	Current Conditions Report
CVOC	chlorinated volatile organic compound
DCA	dichloroethane
DCE	dichloroethene
EVS	Environmental Visualization System
FSP	Field Sampling Plan
ft	feet
ft ²	square feet
GMC	General Motors Corporation
GSIP	Groundwater Surface Water Interface Protection
L	Liters
LNAPL	Light Non-Aqueous Phase Liquids
MDEQ	Michigan Department of Environmental Quality
mg/L	milligrams per liter
MIBK	methyl isobutyl ketone
MLC	Motors Liquidation Company
MTBE	methyl-tert-butyl-ether



my	million years
µg/L	micrograms per liter
NAPL	non-aqueous phase liquid
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PID	Photoionization Detector
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
RACER	Revitalizing Auto Communities Environmental Response
RCRA	Resource, Conservation, and Recovery Act
RDWC	Drinking Water Criteria
RFI	RCRA Facility Investigation
S3TM	Sampling Strategies and Statistics Training Manuel
SVOC	Semi-Volatile Organic Compound
SWMU	Solid Waste Management Unit
TAL	Target Analyte List
TCA	trichloroethane
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TPH	total petroleum hydrocarbons
TSCA	Toxic Substances Control Act



USEPA United States Environmental Protection Agency

UST Underground Storage Tank

VOC Volatile Organic Compound

1. Introduction

This Resource Conservation Recovery Act (RCRA) Facility Investigation (RFI) Phase I Activities Summary Report has been prepared on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust and summarizes the RFI activities completed between July 19, 2011 and December 1, 2011 at the Lansing Plants 2, 3, and 6, Industrial Land (herein referred to as the "Site"). The RFI activities were conducted in accordance with the approved RFI Work Plan prepared by ARCADIS G&M of Michigan, LLC (ARCADIS) and submitted to the Michigan Department of Environmental Quality (MDEQ) incorporating MDEQ comments on August 26, 2011. The RFI Work Plan and completed RFI Phase I activities are part of the corrective action program being implemented at the Site.

On June 1, 2009, General Motors Corporation (GMC) filed for Chapter 11 protection under U.S. bankruptcy code. On July 10, 2009 GMC was renamed Motors Liquidation Company (MLC) and on the same day, some of the operating assets of GMC were sold to a newly formed company "General Motors Company". General Motors Company changed its name to General Motors LLC (GM LLC) on October 16, 2009. Assets not sold to GM LLC remained the property of the MLC, in its capacity as debtor-in-possession in the bankruptcy case. On March 31, 2011, the environmental remediation of the Site was transferred from MLC to the RACER Trust. Ownership of the properties was transferred to RACER Properties LLC, a wholly owned subsidiary of RACER Trust.

This RFI Phase I Activities Summary Report for the Site has been prepared on behalf of RACER Trust for review by the MDEQ.

1.1 Site Description

Plants 2, 3, and 6 are located at 2801 West Saginaw Street, 2800 West Saginaw Street, and 401 North Verlinden Street, respectively, in Lansing, Michigan. Plant 2 occupies approximately 63 acres of land, Plant 3 occupies 104 acres of land, and Plant 6 occupies approximately 72 acres. The locations of Plants 2, 3, and 6 are shown on Figure 1.1.

These three plants were constructed in the early 1900s, and operations were focused on aspects of automobile manufacturing. Decommissioning of the plants began in 2007. For additional detail regarding previous Site operations, refer to the Current Conditions Report (CCR, ARCADIS 2008).

Currently, the majority of the Site buildings have been demolished and the Site is secured with fencing and locked gates. Concrete slabs and asphalt parking lots remain in place at Plants 2 and 3, and approximately 60 percent of these surfaces have been removed at Plant 6. Further demolition activities are planned at the Site in 2012 to fill in the remaining pits and basements and remove additional impervious surfaces. Figure 1.2 includes an aerial photograph from the spring of 2010 that shows the current surface conditions at the Site.

1.2 Objectives of the Investigation

The objective of the RFI Phase I activities was to determine if there is a potential risk to public health and/or the environment based the current Site conditions and current/reasonably expected future land use. The goal of the RFI Phase I was to determine which of the Areas of Interest (AOIs) outlined in the approved RFI Work Plan has been impacted with an environmental release that occurred as a result of operations at the Site. The locations of the AOIs are presented on Figure 1.2 and summarized in Tables 2.1, 3.1, and 4.1. The RFI Phase I activities included the collection of soil and groundwater samples at representative locations at each AOI. The detailed objectives of the RFI Phase I Investigation, the techniques employed to collect samples, and the quality control measures used to assure data quality are provided in the RFI Work Plan, Field Sampling Plan (FSP), or the Quality Assurance Project Plan (QAPP), prepared by ARCADIS and dated August 26, 2011. These documents were subsequently approved by the MDEQ on September 26, 2011.

As discussed in the RFI Work Plan, due to the limited amount of available soil and groundwater data, two or more phases of investigation are anticipated to be conducted at the Site in order to effectively define the nature and extent of contamination on and in the vicinity of the Site. This report presents the results from the initial phase of investigation (Phase I). Objectives for Phase II of the RFI Investigation will be outlined for the MDEQ during the first quarter of 2012 and, pending approval, field activities are scheduled to begin in the second quarter of 2012.

1.3 Data Evaluation Methods

A data screening process was implemented to evaluate soil and groundwater data collected during the RFI Phase I activities. Soil and groundwater analytical data were compared to MDEQ's Part 201 Residential Soil and Groundwater Cleanup Criteria (P.A 451, Part 201, Attachment 1, Tables 1 and 2, dated March 25, 2011) to assess the level of risk associated with detected constituents, and to provide a frame of

reference for parameter concentration. The normalization of data to Part 201 Criteria (described below in Section 1.3.2) provides a frame of reference and allows the data to be grouped and presented more easily on the associated analytical figures. The results of the soil and groundwater sampling were then used to determine if a particular AOI requires further investigation, or if sufficient data have been collected to determine that no further action is required.

Analytical data from the RFI Phase I Investigation activities are presented and summarized as follows:

- Section 2.0 - Plant 2
- Section 3.0 - Plant 3
- Section 4.0 - Plant 6

Each section has associated tables and figures, numbered according to section (e.g., Figures 1.1, 1.2, 2.1, 2.2) summarizing the soil and groundwater analytical results. Figures that present the soil and groundwater analytical results are organized by compound group:

- BTEX – benzene, toluene, ethylbenzene and xylenes
- CVOCs – chlorinated volatile organic compounds - total dichloroethene, trichloroethene, tetrachloroethene and vinyl chloride
- Other VOCs – all other VOCs not included as part of BTEX and CVOC group
- SVOCs – semi volatile organic compounds
- Metals
- PCBs – polychlorinated biphenyls

The figures present normalized concentrations for each compound group. The methodology used to develop the normalized data is provided below.

1.3.1 AOI Evaluation –Further/No Further Action

As a baseline for the analysis and presentation of the data, the MDEQ cleanup criteria were used to determine the significance of a given detected compound or compound group. Specifically, the Residential Drinking Water (RDW)/Drinking Water Protection (RDWP) Criteria or Groundwater-Surface Water Interface (GSI) Criteria/ Groundwater-Surface Water Interface Protection (GSIP) Criteria were used as a basis of comparison for VOCs and SVOCs, whichever was more conservative. The RDW/RDWP, GSI/GSIP, and Statewide Default Background Criteria were used for

metals analysis. The PCBs, for lack of MDEQ criteria, are presented as total PCB concentrations. Although borings within each AOI were placed in the most likely locations for a release, due to the generally limited number of borings in any given AOI, any detected Target Compound List (TCL) VOC, TCL SVOC, or PCB is considered grounds for a follow-up investigation. Part 201 Criteria comparison was utilized for metals to assess the detected metals relative to default background and risk-based criteria. In general, the following logic was applied to the data assessment:

- TCL VOCs, TCL SVOCs and PCBs: VOCs, SVOCs and PCBs consist primarily of manmade chemicals and do not naturally exist in the environment. Therefore, the presence of VOCs, SVOCs, or PCBs at any detectable concentration could reasonably represent a release to the environment from past operations at the Site.
- Target Analyte List (TAL) Metals: Metals naturally exist in the environment; therefore, Part 201 Criteria were used to help determine what metals may be elevated relative to background concentrations and indicate a potential release. For the purposes of the evaluation, data were compared to MDEQ Part 201 Criteria. Soil analytical data were compared to the Statewide Default Background Criteria. The groundwater analytical metals data were compared to either RDW or GSI Criteria.

1.3.2 Data Normalization and Data Presentation

For ease of presentation and analysis, the analytical data were organized into the compound groups noted above. Each compound group was then normalized to appropriate criteria for presentation on the figure. In general, the normalization process consisted of dividing the analytical result for each individual compound within a group by the selected Part 201 criteria. For example, a benzene detection in groundwater at 15 micrograms per liter ($\mu\text{g/L}$) was divided by the RDW Criteria ($5 \mu\text{g/L}$) to produce a normalized value of 3. The interpretation of that value is that benzene at this location is 3X the RDW Criteria. The normalized values for each compound within a group are added together, and the result is a general indication of how impacted the soil or groundwater is relative to that compound group and the Part 201 Criteria.

Specifically, for the associated soil and groundwater analytical figures (Figures 2.1, 2.2, 3.1, 3.2, 4.1, and 4.2) the following methods were used to normalize the data:

- TCL VOCs and TCL SVOCs in soil and groundwater were normalized by the RDW/RDWP or GSI/GSIP Criteria, whichever are lower. For the BTEX group, o-xylene and m&p-xylene are added together and normalized by the total xylenes criteria.
- TAL Metals in soil are normalized by the Statewide Default Background Criteria. At this time, the site-specific metals background criteria are still being evaluated (for further discussion see Section 1.3.3).
- TAL Metals in groundwater are normalized by the RDW Criteria or calculated GSI Criteria (whichever are lower). Due to high turbidity levels, some of the samples were filtered in the lab and total metals and dissolved metal results were reported. The analytical figures only include the total metals results. Both total metals results and dissolved metal results are included on the analytical tables, as appropriate.
- The PCB group is not normalized, and the figures present total PCBs in micrograms per kilogram ($\mu\text{g/Kg}$, soil) or $\mu\text{g/L}$ (groundwater).

Compounds that do not have associated Part 201 Criteria fell out of the normalization analysis and are not represented on the analytical figures. A complete list of the compounds detected at each boring is included in the associated analytical tables (Tables 2.2, 2.3, 2.4, 3.2, 3.3, 3.4, 4.2, and 4.3). For groundwater analytical figures, monitoring well data are included from the most recent monitoring event and presented along with data from temporary wells installed during the RFI Phase I investigation.

This historical soil data, collected over a period of 20 years from the Site during various investigations, are included primarily for reference on the soil analytical figures. The symbols used for each soil boring indicate which are historical (gray) and which were completed as part of the RFI Phase I activities (black). The historical data do not always include the same compound list as the RFI Phase I borings, and are often missing one or more compounds from each compound group. The historical analytical tables include the complete list of compounds analyzed for each sample and are provided as Appendix A (included on the attached compact disc).

1.3.3 Site-Specific Background Investigation

During the RFI Phase I activities, several soil borings were completed to establish a site-specific background criterion for metals in soil. Details regarding the sample location and collection are provided in the RFI Work Plan. The methods used to calculate the site-specific background concentrations were in general accordance with

the MDEQ's Sampling Strategies and Statistics Training Manual (S3TM) (MDEQ 2002).

Based on soil samples and calculations completed to date, the calculated background values are generally lower than the Statewide Default Background Criteria published as part of the Part 201 Cleanup Criteria. Therefore, until additional data are available and the site-specific background can be firmly established, the metals data for soil have been compared to the higher of either the Statewide Default Background Criteria or DWP Criteria for the purpose of this initial screening.

1.3.4 Chromium Speciation

Soil chromium data collected at Lansing Plants 3 and 6 as part of historical site characterization activities have historically been reported as total chromium and not speciated according to chromium valence states: trivalent (III) and hexavalent (VI) chromium. Consequently, in accordance with the MDEQ's Part 201 Risk-Based Generic Cleanup Criteria, the resulting total chromium data were compared to the chromium VI cleanup criteria.

As discussed in the approved RFI Work Plan, dated August 5, 2011, chromium data sets were evaluated to determine if additional sampling to characterize the chromium species present in soil would aid the investigation. Historical soil chromium data from Plant 2 were speciated and, therefore, additional speciation was not proposed at this plant during the RFI Phase I activities. The historical data at Plant 2 suggest that chromium VI is not present in significant concentrations within the soil. Due to the historical plating operations at Plant 3, it is likely that chromium VI is present in the soil and groundwater. Additional speciation of groundwater samples during the RFI Phase I activities has confirmed the presence of chromium VI in groundwater at Plant 3. Speciation of chromium in Plant 3 soil samples was not proposed as part of the RFI Phase I activities.

A select number of soil borings associated with AOIs that historically showed soil total chromium concentration exceedances at Plant 6 were reoccupied, and soil samples were speciated for chromium. Chromium VI was not identified at any of the reoccupied boring locations. The speciated chromium data, when completed, are included in the analytical summary tables.

In summary, soil and groundwater at Plants 2 and 6 will be compared to chromium III Part 201 Cleanup Criteria. ARCADIS will continue to compare oil and groundwater

samples collected at Plant 3 to the chromium VI cleanup criteria, and chromium speciation will be completed on all future samples collected, at Plant 3, in AOIs known to be impacted with metals.

1.4 General Field Methods

Soil samples were collected, analyzed, and validated using methods and procedures as described in detail within the FSP and QAPP. Soil samples were submitted for analysis to Merit Laboratories Inc., located in East Lansing, Michigan. In general, at each boring location, one sample was collected from the interval just below the ground or concrete bottom surface (0 to 2 feet below ground surface [bgs]), from the interval just above the water table (if groundwater encountered) or the bottom of the AOI, and from the interval with the highest photoionization detector (PID) reading and/or greatest visual impact. If the samples did not exhibit PID readings above background or visual evidence of impacts was not observed only the samples at the top and bottom of the boring were collected. Refer to the RFI Work Plan for a summary of the proposed borings, the purpose of each boring, and the proposed soil sample intervals (Table 1 of the RFI Work Plan). Soil boring logs are included as Appendix B.

If groundwater was encountered within a soil boring, a temporary monitoring well was installed at that location consisting of 2-inch polyvinyl chloride (PVC) casing and screen, appropriate sand pack, and a bentonite seal above the screen to prevent surface water infiltration. Temporary monitoring wells were also developed following installation to reduce potential turbidity in the groundwater sample. Due to this construction process, several of the temporary wells were converted to permanent monitoring wells based on the detection of various target compounds. These monitoring wells included temporary wells at Plant 2 (P2-SB-06 and P2-SB-37), at Plant 3 (CH-14-RO and P3-SB-07), and at Plant 6 (P6-SB-07, P6-SB-18, P6-SB-21, P6-SB-32, and P6-SB-37).

Groundwater samples were submitted to Merit Laboratories for analysis. Prior to sampling the wells, groundwater elevations were measured and the wells were assessed for the potential presence of non-aqueous phase liquid (NAPL). Historical/existing monitoring wells were redeveloped prior to sampling due to the elapsed time since the previous groundwater sample was collected (>5 years).

At the two locations where a light non-aqueous phase liquid (LNAPL) was encountered (Plant 2 P2-SB-37 and Plant 3– UNK-14), LNAPL baildown tests were completed to assess the potential recoverability of the liquid. LNAPL transmissivity is a function of

LNAPL saturation; the intrinsic permeability of the aquifer materials in which LNAPL resides; the vertical extent of mobile LNAPL in the formation; and physical properties of the LNAPL itself, including viscosity, density, and fluid interfacial tensions.

LNAPL transmissivity was evaluated at the Site through the analysis of LNAPL baildown tests, which were initiated by rapidly removing LNAPL from the wells using a bailer to create a localized flow gradient toward the well. After initiating the test, LNAPL recharge to the well is measured as a function of time by recording the depth to LNAPL and depth to water in the well. The rate of LNAPL flow from the formation into the well is a function of LNAPL transmissivity, and the magnitude of the initial LNAPL gradient developed toward the well during LNAPL removal.

1.5 Geologic Setting

The Site (Plants 2, 3, and 6) is located in western Lansing and, in total including rights-of-way, occupies an area of approximately 250 acres. The locations of the Plants are shown on Figure 1.1. The distance from the southern border of Plant 2 to the northern border of Plant 3 is approximately 1 mile, and the distance from the western border of Plant 2 to the eastern border of Plant 6 is 0.5 mile. The topography of the region is generally flat with gently rolling hills. The Grand River is incised into the regional topography and wraps around the Site to the north, east, and south. Surface elevations for the Site range from approximately 855 to 875 feet above mean sea level (ft msl) and the elevation of the Grand River is approximately 830 ft msl.

The Quaternary Geologic Map of Michigan (Farrand and Bell 1982a, 1982b) indicates the unconsolidated glacial geology consists of “fine-textured glacial till” at Plant 6, and Plants 2 and 3 are located in an area of “medium-textured glacial till”. Bedrock beneath the Site is composed of the Pennsylvanian Grand River and Saginaw geologic formations. The Grand River formation is Pennsylvanian aged (280 to 310 million years [my] before present) sandstone that occupies erosional valleys within the Saginaw Formation. The Saginaw Formation consists primarily of sandstone, siltstone, and shale in the Lansing area. Together, the Grand River and Saginaw Formations form a major and productive drinking water aquifer. The bedrock surface is encountered at a depth of approximately 60 feet below grade beneath the central portion of Plant 6 and a depth of 110 feet below grade beneath the western portion of Plant 3, suggesting the bedrock surface has significant topography and, beneath Plant 3, dips to the west. To date, bedrock borings have not been completed on the western portion of Plant 6 or on Plant 2.

Soil borings completed at the Site, both historically and as part of the Phase 1 RFI activities, provide a more detailed picture of the glacial geology. In general, the shallow lithology of Plants 2 and 6 consists of 5 to 10 feet of sandy fill imported to the Site during original construction activities, followed by clay and clay/sand/silt mixtures that are heavily interbedded with thin silt, sand, and occasional gravel seams. The sediments at Plant 6 tend to get coarser with depth, with the thickest most permeable sand/silt/gravel layers encountered in the zone above bedrock. Soil borings at Plant 2 have only explored the relatively shallow fill and clay and have not been advanced to bedrock.

Soil borings completed to the north at Plant 3 indicate thicker and generally coarser sediments relative to Plants 2 and 6. The stratigraphy beneath Plant 3 consists of thicker layers of silt and sand and fewer, thinner layers of interbedded clay, especially below a depth of 50 feet. Significant sandy gravel layers are encountered on the northern portions of Plant 3. As noted above, bedrock is encountered at a greater depth beneath Plant 3, and the bedrock surface appears to have significant topography. Beneath the eastern portion of Plant 3, bedrock is encountered at a depth of 70 feet below grade, and on the western portion of Plant 3, bedrock is encountered at a depth of greater than 100 feet, suggesting the bedrock surface slopes to the west-northwest.

The soil boring and monitoring well logs have been loaded into the three-dimensional modeling program Environmental Visualization System (EVS). EVS compiles all of the monitoring wells spatially and is a valuable tool for understanding the spatial distribution of Site data. An export from the model is presented as Figure 1.3. Figure 1.3 includes cross-sections that show all of the soil borings along north-south lines at Plant 6 and Plant 3. Together, these cross-sections show the geologic variation over a distance of almost 1 mile. As shown on the cross-section, the overburden transitions from primarily clays and thin interbedded sands at Plant 6 to primarily silt and sand with deeper bedrock beneath Plant 3.

1.5.1 Hydrogeologic Setting

The primary water supply in the Lansing area is the Grand River-Saginaw aquifer, which is the principle source of municipal, industrial, and domestic drinking water in the Lansing area. As noted above, the Grand River-Saginaw aquifer is a bedrock aquifer consisting chiefly of sandstone as well as interbedded shale and siltstone. Because the sandstone of the Grand River Formation was formed within erosional valleys of the Saginaw Formation, the two formations are hydraulically connected and comprise one

aquifer. There are two municipal wells located in the vicinity of the Site: the City of Lansing well BWL 10-06 to the east, and the Lansing Township Well #2 to the west. As part of the RFI Phase 2 investigation activities, additional information will be obtained regarding the municipal bedrock well system in the vicinity of the Site.

Groundwater flow within the bedrock aquifer occurs within both the sandstone pore space and within bedrock fractures that can span both the sandstone and the interbedded shale and siltstone layers. The principal source of recharge to the Grand River-Saginaw aquifer is the unconsolidated glacial overburden deposits (USGS 2000). However, outcroppings of the Grand River and Saginaw Formations occur along the Grand River and, based on the elevation of bedrock groundwater at the Site (~800 ft msl) and the elevation of the river (~830 ft), the bedrock aquifer likely receives recharge from the Grand River as well within the Lansing area.

Groundwater beneath Plants 2, 3, and 6 are encountered within multiple hydrostratigraphic units and at varying depths across the Site. Groundwater elevation contour maps for the Site are provided on Figure 1.4. As shown on Figure 1.4, the groundwater at the Site has been divided into four aquifers: deep bedrock, deep overburden, middle overburden, and perched groundwater units. The corresponding horizontal and vertical groundwater flow patterns at the Site appear varied and complex. The flow between and interconnection of the overburden aquifers and the overburden and bedrock aquifers are poorly understood at this time.

Groundwater elevations were measured at the Site in October 2011. At the time of the groundwater measurements, a number of monitoring wells could not be located or had been rendered inaccessible during the Site demolition activities. Several of these wells have since been located and/or accessed and future groundwater gauging events will include all of the available monitoring wells.

1.5.1.1 Bedrock Aquifer

Based on the October 2011 measurements, flow within the bedrock aquifer appears to be radial away from an apparent high located at monitoring well MW-04-01 (Plant 3). The bedrock groundwater elevation ranges from approximately 795 to 807 ft msl. Monitoring well MW-04-01 is installed to a total depth of 105 feet below grade and screened wholly within a sandstone unit. Ignoring the MW-04-01 groundwater elevation data, the apparent groundwater flow direction appears to be to the east-northeast. Figure 1.4 includes groundwater elevation contours drawn both considering the elevation at MW-04-01 and ignoring this data point. It is unclear why the

groundwater elevation at MW-04-01 is elevated relative to the other bedrock monitoring wells. Possible explanations include additional recharge in this area due to reduced ground cover, an underlying shale zone that “perches” groundwater within the overlying sandstone, unusual groundwater flow patterns due to area municipal groundwater pumping, or a combination of these factors. One of the goals of the RFI Phase 2 work will be to better characterize bedrock groundwater flow at the Site.

1.5.1.2 Deep Overburden Aquifer

Plant 3 has several deep overburden wells installed at a depth consistent with the top of the bedrock surface. Groundwater elevations collected from these wells indicate an apparent northwesterly groundwater flow direction. The groundwater elevation of the deep overburden ranges from approximately 796 to 809 ft msl. The apparent groundwater high is located at MW-02-01 (Plant 3) adjacent to MW-04-01. The extent to which the high groundwater elevation at MW-02-01 is related to the high groundwater elevation at bedrock well MW-04-01 is unclear but may be related to the additional recharge in this area as postulated above. The piezometric surface elevation of the deep overburden is similar to, although slightly higher than, the bedrock aquifer surface and likely indicates that the deep overburden and bedrock aquifers are in close hydraulic communication beneath Plant 3.

1.5.1.3 Middle Overburden Aquifer

Due to the heavily interbedded nature and predominance of clay and clay mix sediments at Plant 2 and Plant 6, an aquifer is encountered beneath Plants 2 and 6 at an elevation 30 to 40 feet above the deep overburden aquifer present beneath Plant 3. The groundwater elevation of the middle overburden ranges from approximately 834 to 843 ft msl. The monitoring wells that intersect this aquifer are typically screened between 30 and 40 feet below grade. As shown on Figure 1.4, the piezometric surface in this unit is highly variable with apparent groundwater flow to the southeast in the northern portions of Plants 2 and 6, and flow to the northwest in the southern parts of Plants 2 and 6. This variability may be due, in part, to the clay and clay rich sediments comprising this aquifer, the presence of discontinuous sand seams with differing groundwater elevations, and/or preferential leakage from the overburden to the deeper aquifers in certain areas of the Site causing low spots in the piezometric surface.

1.5.1.4 Perched Groundwater Units

At least three localized perched groundwater units have been identified at the Site. These groundwater units are generally located where fill material overlies low permeability clays. Often the perched groundwater is located immediately below the ground surface. In the three areas where perched groundwater has been identified, the groundwater elevation ranges from 854 to 865 ft msl. The perched units appear to be local, discontinuous, and potentially seasonal in nature. They likely occur within local depressions within the underlying clay or in areas where recharge occurs at the Site through the predominant concrete cover. It is likely that other perched units exist that have not been identified. These units will be characterized as encountered and as needed during follow-up investigation activities.

2. PLANT 2 – RFI Phase I Investigation Results

The RFI Work Plan identified 25 AOIs for further investigation at Plant 2. A summary of these AOIs is provided as Table 2.1. The RFI Phase I activities completed between July 19, 2011 and December 1, 2011 included completion of soil borings within the AOIs of Plant 2; installation of monitoring wells within the uppermost saturated zone at the perimeter of Plant 2; and collection of groundwater samples from existing, temporary, and newly installed monitoring wells. Refer to the RFI work plan for details regarding placement of monitoring wells and soil borings. The following scope of work was completed at Plant 2 as part of the RFI Phase I Investigation activities:

- Completed 39 soil borings (P2-SB-01 through 39), installed three temporary monitoring wells and four perimeter monitoring wells (P2-MW-01 through 04)
 - A total of 87 soil samples were collected for analysis of VOCs, SVOCs, metals, and PCBs.
 - Temporary monitoring wells were installed at three locations (P2-SB-03, P2-SB-06 and P2-SB-20) where groundwater was encountered during soil boring activities.
 - Groundwater samples were collected from the three temporary monitoring wells and submitted for analysis of VOCs, SVOCs, metals, and PCBs.
- Collected groundwater samples from seven monitoring wells consisting of the four newly installed perimeter monitoring wells and three existing monitoring wells (MW-1 through MW-3)
- LNAPL was observed at soil boring P2-SB-37. A temporary well was installed and a baildown recovery test was completed to assess potential recoverability of the LNAPL. Following the test, a sample of the LNAPL was submitted for analysis of VOCs, PCBs, and total petroleum hydrocarbons (TPH).

Refer to the analytical summary Tables 2.2, 2.3, and 2.4 for the full list of analytes and a summary of the results for each sample.

2.1 Plant 2 AOIs Requiring No Further Action

The Plant 2 AOI summary (Table 2.1) includes a proposed further / no further action recommendation for each AOI, as well as a brief rationale for each recommendation.

Based on the results of the RFI Phase I Investigation, ARCADIS proposes the following AOIs require no further action:

- AOI 2-23: Acid House and Two Storage Tanks of Unknown Operations - VOCs and SVOCs were not detected in soil, and metals concentrations were below criteria in the soil sample collected, therefore no further action is required at AOI 2-23.
- AOI ID 2-27: Paint Shop Sumps and Trenches – VOCs, the only compound group analyzed at this location based on the approved RFI Work Plan, were not detected in soil samples, therefore no further action is required at AOI ID 2-27.
- AOI ID 2-55: PCB Storage Deck – PCBs, the only parameter analyzed at this location based on the approved RFI Work Plan, were not detected in soil samples, therefore no further action is required at AOI ID 2-55.

2.2 Plant 2 AOIs Requiring Further Action

The results of the soil and groundwater sampling at Plant 2 are presented on Figures 2.1 (soil) and 2.2 (groundwater). A full list of analytical results relative to Part 201 Criteria is included as Tables 2.2 (soil) and 2.3 (groundwater/LNAPL). As outlined in Section 1.3, analytical data were split into compound groups and normalized to appropriate Part 201 Criteria. Review of Figures 2.1 and 2.2 provides an overview of the various compound groups that were detected and gives a general indication of the areas that will require further action to characterize soil and groundwater impacts.

Based on the distribution of the soil impacts presented on Figure 2.1, CVOCs, BTEX, and other VOCs are encountered at AOI 2-15 (Building 225 Underground Storage Tank [UST] Farm) and then sporadically to the west across the central portion of Plant 2 (AOIs 2-36, 2-52, 2-59, and the area north of AOI 2-1). These impacts are not likely related given that they are soil samples generally collected from the shallow (generally 1 to 10 feet bgs) unsaturated zone. Each detection will need to be further evaluated as a potential source area for VOCs in groundwater.

The groundwater results presented on Figure 2.2, although limited in coverage, do not suggest extensive CVOC or BTEX impacts are present in the shallow groundwater zones. However, low-level concentrations of 1,4-dioxane (30 to 62 µg/L) were detected in the central portions of the Site at P2-SB-06, P2-MW-04, and P2-MW-03. The compound 1,4-dioxane is used as a solvent and also as a stabilizing additive to chlorinated ethanes. The compound is highly soluble in water and therefore can form

elongated plumes, which usually indicate a chlorinated solvent release. The compound methyl-tert-butyl-ether (MTBE), a gasoline additive, was also detected at P2-MW-01 and is likely related to the UST associated with AOI 2-16.

The result for the metals analysis for soil indicate that concentrations above the Statewide Default Background Criteria are present across the central portion of Plant 2, generally within the shallow fill material (1 to 5 ft bgs). Deeper sediments (9 to 15 ft bgs) at several locations (SB-29, SB-31, and SB-14) also yield elevated metals relative to background. As outlined in Section 1.3.3, additional work will be completed during Phase 2 of the RFI to determine the appropriate site background criteria and therefore help determine the potential areas that may require additional characterization relative to metals in soil.

Exceedances for metals detected in groundwater at Plant 2 are generally site-wide, with concentrations of manganese and others typically exceeding one or more Part 201 Criteria. As outlined in Section 1.3.3, additional work will be completed during Phase 2 of the RFI to determine the appropriate site background criteria and therefore help determine the potential areas that may require additional characterization relative to metals in soil as well as groundwater.

The SVOC results for soil indicate that shallow samples, consisting primarily of fill material (1 to 5 ft bgs), are impacted with SVOCs throughout the middle portion of Plant 2. Many of the SVOCs detected include typical degraded fuel components such as anthracene, phenanthrene, fluoranthene, and the benzo compounds, but also phthalates (typical plasticizers). SVOCs were detected at only one groundwater sample location (P2-SB-20) at concentrations below Part 201 Criteria. Temporary monitoring well P2-SB-20 is located in the vicinity of a series of press pits and yielded a low concentration of dimethyl phthalate (4 µg/L).

PCBs were detected in shallow soils in the central part of the Site near AOI 2-36 (oil separator and pump) and near AOI 2-37 (press pits). The groundwater samples collected at Plant 2 did not contain PCBs.

The LNAPL associated with AOI 2-52, also known as the pickling room, contained relatively high levels (52 parts per million) of PCBs (Aroclor-1221). Review of the chromatogram completed on the LNAPL suggests that the LNAPL is most likely a mixture of light lubrication oil with a small amount of diesel fuel. The VOC analysis indicates the LNAPL contains chlorinated ethanes such as 1,1,1-trichloroethane (1,1,1-TCA) and 1,1-dichloroethane (1,1-DCA), CVOCs such as tetrachloroethene (PCE) and

1,1-dichloroethene (1,1-DCE), and methyl cyclohexane. The LNAPL likely acts as a continuing source mass for soil and groundwater VOC/PCB impacts and was handled as a Toxic Substance Control Act (TSCA) waste where removed. Based on the results of the LNAPL baildown test, the LNAPL exhibited a transmissivity of approximately 0.003 feet squared per day (ft^2/day). Published LNAPL transmissivity values representing lower limits for practicable LNAPL recoverability range from 0.015 ft^2/day (Beckett and Lundegard 1997) to a range of 0.1 to 0.8 ft^2/day (ITRC 2009). The LNAPL transmissivity value calculated at well P2-SB-37 was just above the lower end of this recoverability threshold, suggesting that recovery of the LNAPL with in-situ techniques may not be practical.

The following lists the specific AOIs that will require further action based on the results of the RFI Phase I Investigation:

- AOI 2-6 – Solid Waste Management Unit (SWMU) 6, Former Oily Waste Treatment System. Further soil investigation is required based on detections of SVOCs and PCBs (detected below MDEQ Part 201 Criteria) and manganese exceeding MDEQ Part 201 Criteria in soil samples.
- AOI 2-7 - SWMU 7, Building 242, Former Drum Storage Area. Further soil investigation is required based on detections of VOCs and SVOCs (detected below MDEQ Part 201 Criteria) in soil samples.
- AOI 2-8 - SWMU 8, Former Outdoor Storage Area. Further soil investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) in soil samples.
- AOI 2-11 - SWMU 11, Former Gondola Storage Area. Further soil investigation is required based on the detection of manganese exceeding MDEQ Part 201 Criteria in soil samples.
- AOI 2-12 - SWMU 12, Former Empty Container Storage Area. Further soil investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) and metals (manganese and cobalt) exceeding MDEQ Part 201 Criteria in soil samples.
- AOI 2-14 - SWMU 14, Former Scrap Metal Storage Areas. Further soil investigation is required based on detections of SVOCs and several metals above MDEQ Part 201 Criteria in soil samples.

- AOI 2-15 - AOC 1, Building 225 UST Farm. Further soil investigation is required based on detections of VOCs and PCBs (detected below MDEQ Part 201 Criteria) and SVOCs and arsenic exceeding MDEQ Part 201 Criteria in soil samples.
- AOI 2-16 - AOC 3, Building 250 UST Farm. Further groundwater investigation is required based on detections of VOCs (detected below MDEQ Part 201 Criteria in monitoring well MW-1 only) and several metals exceeding MDEQ Part 201 Criteria in groundwater samples collected in the vicinity of AOI 2-16 at monitoring wells MW-1 and MW-3.
- AOI 2-52: Pickling Room. Further soil investigation is required based on detections of VOCs and SVOCs (detected below MDEQ Part 201 Criteria) in soil samples, and the presence of LNAPL in the temporary monitoring well installed during Phase I investigation activities.
- AOI ID 2-26 - Quench Oil Operations. Further soil investigation is required based on detections of VOCs, SVOCs, and PCBs (detected below MDEQ Part 201 Criteria), and selenium exceeding MDEQ Part 201 Criteria in soil samples.
- AOIs ID 2-31 through 2-35, 2-49 - Press Pits and Associated Sumps, Pits, and Trenches. Further soil investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) and selenium exceeding MDEQ Part 201 Criteria in soil samples. Further groundwater investigation is required based on the detection of the SVOC, dimethyl phthalate, (detected below MDEQ Part 201 Criteria), and metals (manganese and lead) exceeding MDEQ Part 201 Criteria in the temporary well installed during Phase I investigation activities.
- AOI ID 2-36 - Oil Separator and Sump. Further soil investigation is required based on detections of PCBs (detected below MDEQ Part 201 Criteria) and VOCs and SVOCs exceeding MDEQ Part 201 Criteria in soil samples.
- AOI ID 2-37 - Press Pits. Further soil investigation is required based on detections of PCBs (detected below MDEQ Part 201 Criteria) and SVOCs exceeding MDEQ Part 201 Criteria in soil samples.



- AOI ID 2-38 - Scrap Steel Operations Pits. Further soil investigation is required based on detections of VOCs and SVOCs (detected below MDEQ Part 201 Criteria) in soil samples.
- AOI ID 2-39 - Fuel Oil Pump House and Tank Farm. Further soil investigation is required based on the detection of cis-1,2-DCE (a VOC; detected below MDEQ Part 201 Criteria) in a soil sample.
- AOI ID 2-59 - Press Pits. Further soil investigation is required based on detections of VOCs, SVOCs, and manganese exceeding MDEQ Part 201 Criteria in soil samples.
- Miscellaneous Item Data Gap Filler Area. Further soil investigation is required based on detections of VOCs, SVOCs, and manganese exceeding MDEQ Part 201 Criteria in soil samples. Further groundwater investigation is required based detections of VOCs (detected below MDEQ Part 201 Criteria) and several metals exceeding MDEQ Part 201 Criteria in the temporary monitoring well installed during Phase I investigation activities.

The extent to which the Plant 2 AOIs will be further evaluated, and the scope of work to be employed during the Phase II activities will be outlined in the forthcoming RFI Phase 2 Investigation Sampling Matrix scheduled to be complete in the first quarter of 2012.

3. PLANT 3 – RFI Phase I Investigation Results

The RFI Work Plan identified 13 AOIs at Plant 3 for further investigation. A summary of these AOIs is provided as Table 3.1. The RFI Phase I activities completed between July 19, 2011 and December 1, 2011 included completion of soil borings within the AOIs at Plant 3 and collection of groundwater samples from existing monitoring wells. Please refer to the RFI Work Plan for details regarding placement of monitoring wells and soil borings. The following scope of work was completed at Plant 3 as part of the RFI Phase I Investigation activities:

- Completed a total of 41 soil borings (P3-SB-01 through 35, CH-13 through 15-RO, 27-RO, SS-15-RO). The borings with “RO” included in the name refer to a “reoccupied” historical soil boring location.
 - A total of 95 soil samples were collected for analysis of VOCs, SVOCs, metals, and PCBs.
 - Temporary monitoring wells were installed at three locations (P3-SB-07, P3-SB-28, and CH-14-RO) where groundwater was encountered during soil boring activities.
 - Groundwater samples were collected from the three temporary monitoring wells and submitted for analysis of VOCs, SVOCs, metals, and PCBs.
- Collected groundwater samples from 18 existing site monitoring wells.
- An LNAPL sample was collected from existing monitoring well UNK-14. A baildown recovery test was completed at this well to assess potential recoverability of the LNAPL. Following the baildown test, a sample of the LNAPL was submitted for analysis of PCBs and TPH.

Refer to the analytical summary Tables 3.2, 3.3, and 3.4 for the full list of analytes and a summary of the results for each sample.

3.1 Plant 3 AOIs Requiring No Further Action

The Plant 3 AOI summary (Table 3.1) includes a proposed further/no further action recommendation for each AOI, as well as a brief rationale for each recommendation. Based on the results of the RFI Phase I Investigation, ARCADIS proposes that the following AOIs require no further action:

- AOI 3-6 - SWMU 20, Former Electroplating Waste Treatment System. VOCs and SVOCs were not detected, and metal detections were below criteria in the soil samples collected; therefore, no further action is required at AOI 3-6.
- AOI ID 3-13 - Henry Filter Pits and Trenching. VOCs and SVOCs were not detected, and metal detections were below criteria in the soil samples collected; therefore, no further action is required at AOI 3-13.
- Miscellaneous Item Data Gap Filler Area (associated with soil borings P3-SB-14 and P3-SB-15). VOCs and SVOCs were not detected, and metal detections were below criteria in the soil samples collected; therefore, no further action is required for the AOIs associated with soil boring locations P3-SB-14 and P3-SB-15 within the Miscellaneous Item Data Gap Filler Area.

3.2 AOIs Requiring Further Action

The results of the soil and groundwater sampling at Plant 3 are presented on Figures 2.1 (soil) and 2.2 (groundwater). A full list of analytical results relative to Part 201 Criteria is included as Tables 3.2 (soil), 3.3 (groundwater), and 3.4 (LNAPL). As outlined in Section 1.3, analytical data were split into compound groups and normalized to appropriate Part 201 Criteria. Review of Figures 3.1 and 3.2 provides an overview the various compound groups that were detected and give a general indication of the areas that will require further action to characterize soil and groundwater impacts.

Based on the distribution of the soil impacts presented on Figure 3.1, CVOCs were detected at only one location, soil boring P3-SB-20, located near AOI 3-54 (unknown sump pit). The CVOCs and VOCs at P3-SB-20 consisted of low concentrations of 1,1,1-TCA, 1,1-DCA, 1,1-DCE, and 1,4-dioxane. The extent of soil impacts at this location is unknown and will require additional characterization. Most of the BTEX and VOC soil impacts detected at Plant 3 are located in the area of AOIs 3-4, 3-6, and 3-9 (the machining residue storage area, clarifier, and former electroplating waste treatment system, respectively). Soil impacts in this area are generally located between 5 and 15 ft bgs within unsaturated soils. Groundwater samples collected from the deep overburden aquifer at this location do not indicate BTEX impacts, but do show low-levels of 1,1,1-TCA and 1,1-DCA (MW-03, -04, and -06).

Nested monitoring wells MW-04-03 screened at 80 to 90 ft bgs in the deep overburden aquifer, and MW-04-02 screened at 126 to 136 ft bgs in sandstone, are both impacted with vinyl chloride above RDW Criteria (both 13 µg/L). These wells are located at the

property boundary and in an apparent downgradient (for both aquifers) direction from the Plant 3 property. Vinyl chloride is a typical end degradation product of chlorinated ethenes such as PCE and TCE. As outlined in Section 1.5, the bedrock aquifer is the primary drinking water source for the City of Lansing. Therefore, additional characterization of the deep overburden and bedrock aquifer will need to be completed to understand both the true groundwater flow pattern in bedrock and the extent and source of the vinyl chloride impacts at this location.

As shown on Figure 3.1, the metals results for soil indicate a large swath of metals through the AOI 3-10 (former electroplating) area. Many of the soil exceedances indicated on Figure 3.1 are related to historical soil samples collected during numerous investigation activities completed by GMC in this area between 1988 and 1994. The majority of the samples collected in this area as part of the RFI Phase I activities indicate metals at concentrations above the Statewide Default Background Criteria. Additional characterization will be required to determine to what extent GMC excavated this area and if there are remaining metals impacts that may need to be addressed. Figure 3.1 also indicates sporadic metals exceedances at other locations across Plant 3.

Exceedances for metals detected in groundwater at Plant 3 are generally site-wide, with concentrations of manganese and others typically exceeding one or more Part 201 Criteria. As outlined in Section 1.3.3, additional work will be completed during Phase 2 of the RFI to determine the appropriate site background criteria and therefore help determine the potential areas that may require additional characterization relative to metals in soil and groundwater.

In the electroplating area, chromium VI was detected in groundwater at temporary well CH-14-RO at a concentration of 28.4 milligrams per liter (mg/L) at a depth of 7 to 14 ft bgs. This depth interval is consistent with a perched groundwater unit that is as yet uncharacterized in this area. In addition, metals including total chromium (MW-91-2) were detected in the deep overburden aquifer in this area above Part 201 Criteria generally between 55 and 85 ft bgs. The bedrock wells at Plant 3 do not contain metals other than manganese at concentrations above Part 201 Criteria.

The SVOC results for soil indicate sporadic low-level detections of SVOCs near AOIs 3-15, 3-11, and 3-54 (oil sump for crank shaft operations, former scrap metal storage, and an unknown sump, respectively) mostly within the upper 10 feet of the soil column, but occasionally deeper (i.e., P3-SB-13 17 to 18 ft bgs, P3-SB-22 27 to 28 ft bgs). Many of the SVOCs detected include typical degraded petroleum components such as

anthracene, phenanthrene, fluoranthene, and the benzo compounds, but also phthalates (plasticizers). All SVOC detections in soil are below Part 201 Criteria. SVOCs were detected in several monitoring wells in the AOI 3-4 and 3-9 area within both the perched and deep overburden aquifers, and downgradient at monitoring well MW-02-02 within the deep overburden aquifer. Concentrations of SVOCs in groundwater were all 2 µg/L or less, but generally consisted of the same petroleum and phthalate compounds.

PCBs were detected in soils in the northern part of the site at P3-SB-03 at a depth of 15 to 16 ft bgs, and southern portion of the site at AOI 3-15 at a depth of 6 to 7 ft bgs. PCBs have not been detected within any of the groundwater samples collected at Plant 3. An LNAPL was encountered at monitoring well UNK-14 near AOI 3-9, the Building 301 UST Farm. The LNAPL contained PCBs (Aroclor-1254) at a concentration of 700 µg/L.

The chromatograph completed for this LNAPL indicates that this is most likely a light distillate related to the USTs formally located in the area of AOI 3-9. VOC analysis was not completed on this LNAPL sample. The LNAPL baildown test completed at monitoring well UNK-14 indicates that the LNAPL has a transmissivity of 0.05 ft²/day. Published LNAPL transmissivity values representing lower limits for practicable LNAPL recoverability range from 0.015 ft²/day (Beckett and Lundegard 1997) to a range of 0.1 to 0.8 ft²/day (ITRC 2009). The LNAPL transmissivity value calculated at well UNK-14 was just above the lower end of this recoverability threshold, suggesting recovery of the LNAPL with in-situ techniques may not be practical.

The LNAPL likely acts as a continuing source mass for soil and groundwater VOC/PCB impacts and may need to be handled as a hazardous waste upon removal. Further characterization of this LNAPL, including aerial extent, will be completed as part of the RFI Phase 2 activities.

The following lists the specific AOIs that will require further action based on the results of the RFI Phase I Investigation:

- AOI 3-2 - SWMU 16, Oily Waste Treatment System. Further soil investigation is required based on the detection of VOC, 1,1,1-TCA, (detected below MDEQ Part 201 Criteria) in a soil sample.
- AOI 3-3 - SWMU 17, Scrap Metal Pits and Bins. Further soil investigation is required based on the detection of selenium exceeding MDEQ Part 201

Criteria in a soil sample. Further groundwater investigation is required based on the detection of manganese at concentrations above MDEQ Part 201 Criteria in the temporary well installed during Phase I investigation activities.

- AOI 3-4 - SWMU 18, Machining Residue Storage Area. Further soil investigation is required based on the detection of SVOCs (detected below MDEQ Part 201 Criteria) in a soil sample.
- AOI 3-5 - SWMU 19, Clarifier. Soil borings were not installed within this AOI during the Phase I investigation activities based on the clarifier not being decommissioned yet. This AOI requires a tank integrity inspection and will be investigated once demolition activities are completed.
- AOI 3-9 - AOC 2, Building 301 UST Farm. Further soil investigation is required based on the detection of SVOCs (detected below Part 201 Criteria) in a soil sample. Further groundwater investigation is required based on the detection of VOCs and SVOCs (detected below MDEQ Part 201 Criteria), several metals exceeding MDEQ Part 201 criteria in groundwater samples collected from monitoring wells in the vicinity of AOI 3-9, and the presence of LNAPL in monitoring well UNK-14 (located within AOI 3-9).
- AOI 3-10 - AOC 4, Former Electroplating Area. Further groundwater investigation is required based on the detection of several metals exceeding MDEQ Part 201 Criteria in groundwater samples collected from the temporary well installed during Phase I investigation activities and from a monitoring well in the vicinity of AOI 3-10.
- AOI 3-11 - SWMU 14, Former Scrap Metal Storage Areas. Further soil investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) and manganese exceeding MDEQ Part 201 Criteria in soil samples.
- AOI ID 3-15 - Oil Sump for Crank Shaft Operations. Further soil investigation is required based on detections of VOCs, SVOCs, and PCBs (detected below MDEQ Part 201 Criteria), and selenium exceeding MDEQ Part 201 Criteria in soil samples.
- AOI ID 3-17 - Broach Machine Filter Pit. Further soil investigation is required based on several metals exceeding MDEQ Part 201 Criteria in soil samples.

- AOI ID 3-51 - Building 304 and 305 Press Pit Operations. Further soil investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) and the VOC, 1,1-DCE, and several metals exceeding MDEQ Part 201 Criteria in soil samples.
- AOI ID 3-54 – Sump. Further soil investigation is required based on the detection of VOCs (detected below MDEQ Part 201 Criteria) in a soil sample.
- Miscellaneous Item Data Gap Filler Area (associated with soil borings P3-SB-8 through P3-SB-10). Further soil investigation is required based on the detection of SVOCs (detected below MDEQ Part 201 Criteria) in a soil sample.
- Miscellaneous Item Data Gap Filler Area (associated with soil boring P3-SB-7). Further groundwater investigation is required based on the detection of boron, manganese, and lead at concentrations above MDEQ Part 201 Criteria in the temporary well installed during Phase I investigation activities.
- Background Sampling. Further soil investigation is required based on the detection of PCBs in soil sample P3-SB-3.

The extent to which the Plant 3 AOIs will be further evaluated, and the scope of work to be employed during the Phase II activities, will be outlined in the forthcoming RFI Phase 2 Investigation Sampling Matrix scheduled to be complete in the first quarter of 2012.

4. PLANT 6 – RFI Phase I Investigation Results

The RFI Work Plan identified 27 AOIs for further action at Plant 6. A summary of these AOIs is provided as Table 6.1. The RFI Phase I activities completed between July 19 and December 1, 2011 included completion of soil borings within the AOIs of Plant 6, installation of one permanent monitoring well, and collection of groundwater samples from the newly installed and existing monitoring wells and temp wells. Please refer to the RFI Work Plan for details regarding placement of monitoring wells and soil borings. The following scope of work was completed at Plant 6 as part of the Phase I Investigation activities:

- Completed 44 soil borings (P6-SB-01 through P6-SB-43 and P6-MW-01) and the installed perimeter monitoring well P6-MW-01.
 - A total of 100 soil samples were collected for analysis of VOCs, SVOCS, metals, and PCBs.
 - Temporary wells were installed at 10 locations (P6-SB-07, P6-SB-10, P6-SB-12, P6-SB-18, P6-SB-23, P6-SB-32, P6-SB-34, P6-SB-35, PS-SB-37, and PS-SB-40) where groundwater was encountered during soil boring activities.
 - Groundwater samples were collected from the 10 temporary monitoring wells and submitted for analysis of VOCs, SVOCS, metals, and PCBs.
- Collected groundwater samples from 34 monitoring wells including 24 existing wells (B-BP-16, MW-02-01 through MW-02-03, MW-03-01, MW-03-02, MW-03-04, MW-03-05 through MW-03-08, MW-04-01, MW-04-05, MW-04-06, MWBP-10A-UST1-4, MWBP-10-UST1-4, MWBP-10UST5-6, MWBP-11-UST1-4, MWBP-12A-UST1-4, MWBP-12-UST5-6, MWBP-13-UST1-4, and UNK-3), the newly installed perimeter well (P6-MW-01) and the 10 temporary wells. Refer to the analytical summary Tables 4.2, 4.3, and 4.4 for the full list of analytes and a summary of the results for each sample.

4.1 Plant 6 AOIs Requiring No Further Action

The Plant 6 AOI summary (Table 4.1) includes a proposed further/no further action recommendation for each AOI, as well as a brief rationale for each recommendation. Based on the results of the RFI Phase I Investigation, ARCADIS proposes the following AOIs require no further action:



- AOI 6-1 - SWMU 1, Original Hazardous Waste Storage Area. VOCs, SVOCs, and PCBs were not detected, and metal detections were below criteria in the soil samples collected, therefore no further action is required at AOI 6-1.
- AOI 6-10 - SWMU 10, Non-hazardous Waste Consolidation Area. SVOCs were not detected, and metal detections were below criteria in soil samples collected, therefore no further action is required at AOI 6-10.
- AOI 6-14 - SWMU 14, Oil Accumulation Area. VOCs, SVOCs, and PCBs were not detected, and metal detections were below criteria in the soil samples collected, therefore no further action is required at AOI 6-14.
- AOI 6-48 - Former Coal Pile. Chromium, cobalt, and manganese, the only parameters analyzed based on the approved RFI Work Plan, were detected below criteria in the soil samples collected, therefore no further action is required at AOI 6-48.
- AOI 6-78 - Former PCB Transformers. No existing monitoring wells at the Site or temporary monitoring wells installed during the Phase I investigation activities are nearby AOI 6-78; This AOI is very near and adjacent to P6-SB-17 (AOI 6-83) which showed no VOC or SVOC detections and no metals above criteria, therefore no further action is required at AOI 6-78.
- AOI 6-82 - Former Coal Chute Building. Chromium, cobalt, and manganese, the only parameters analyzed based on the approved RFI Work Plan, were detected below criteria in the soil samples collected and in the groundwater sample collected from the temporary boring installed during Phase I activities, therefore no further action is required at AOI 6-82.
- AOI 6-83 - Whole Building (Sumps, Pits, Trenches, Former Wastewater Treatment Plant). VOCs and SVOCs were not detected, and metal detections were below criteria in the soil samples collected, therefore no further action is required at AOI 6-83.
- AOI 6-87 - Oil Water Separator. VOCs and SVOCs were not detected, and metal detections were below criteria in the soil samples collected, therefore no further action is required at AOI 6-87.

4.2 Plant 6 AOIs Requiring Further Action

The results of the soil and groundwater sampling at Plant 6 are presented on Figures 4.1 (soil) and 4.2 (groundwater). A full list of analytical results relative to MDEQ Part 201 Criteria is included as Tables 4.2 (soil) and 4.3 (groundwater). As outlined in Section 1.3, analytical data were split into compound groups and normalized to appropriate MDEQ Part 201 Criteria. Review of Figures 4.1 and 4.2 provides an overview of the various compound groups that were detected and indicates the areas that will require further action to characterize soil and groundwater impacts.

Based on the distribution of the soil impacts presented on Figure 4.1, CVOCs, BTEX, and other VOCs are encountered primarily at the southwest corner of Plant 6 near AOI 6-17 (AOC 2 Tanks 1 & 3) and AOI 6-60 (Paint Mix Room) and near the west-central part of the Plant near AOI 6-18 (Lead in Soil area) and AOI 6-88 (Parking Lot Exceedances). Soil sample exceedances in these areas are typically shallow (generally 1 to 12 ft bgs) within the unsaturated zone. Samples collected at AOI 6-17 and AOI-6-60 yield primarily BTEX and other aromatics, as well as methyl cyclohexane, a solvent and component of jet fuel. Risk-based criteria have not been established for methyl cyclohexane by the MDEQ or the U.S. environmental protection Agency (USEPA). One sample location from AOI 6-60 (P6-SB-41) yielded PCE as well as methyl isobutyl ketone (MIBK), both widely used solvents. VOCs in soil at AOI 6-88 consist primarily of BTEX and methyl cyclohexane. Each detection of VOCs in soil will be further evaluated as a potential source area for VOCs in groundwater.

Review of Figure 4.2 indicates that VOC impacts in groundwater appear to be generally consistent with the areas of soil impact. Perched groundwater zones at AOIs 6-17, 6-60, and 6-88 contain BTEX at concentrations above Part 201 Criteria, as well as other VOCs including methyl cyclohexane at P6-SB-34, near AOI 6-88, and at MWBP-10A-UST1-4 near AOI 6-17. Several wells contained CVOCs including MW-03-06 in the middle overburden aquifer with vinyl chloride above criteria, and MW-04-06 in bedrock with low levels of cis-1,2-DCE and vinyl chloride near the eastern property boundary. In addition, the compound 1,4-dioxane was detected at several wells located in the west-central portion of Plant 6 with concentrations ranging from 9 to 54 µg/L. As noted previously, 1,4-dioxane is used as a solvent and also as a stabilizing additive to chlorinated ethanes. The compound is highly soluble in water, forms long plumes, and usually indicates a chlorinated solvent release. To what extent the 1,4-dioxane in groundwater at Plant 6 is related to the detection of 1,4-dioxane in groundwater at Plant 2 is unclear and will require further characterization.

The results for the metals analysis in soil indicates concentrations above the Statewide Default Background Criteria are present generally across the northern half of Plant 6, and within the shallow fill material (1 to 5 ft bgs). Many of the exceedances presented on Figure 4.1 are related to historical soil sample locations.

Exceedances for metals detected in groundwater at Plant 6 are generally site-wide with concentrations of manganese, lead, and others typically exceeding Part 201 Criteria. As outlined in Section 1.3.3, additional work will be completed during Phase 2 of the RFI to determine the appropriate site background criteria and therefore help determine the potential areas that may require additional characterization relative to metals in soil and groundwater.

The SVOC results for soil indicate that in general shallow samples, consisting primarily of fill material (1 to 5 ft bgs), are impacted with low-level SVOCs near the west-central portion of Plant 6 near AOI 6-88 and 6-18, and in the southwest corner of Plant 6 near AOI 6-17 and 6-47 (the former UST area). Many of the SVOCs detected include typical degraded fuel components such as anthracene, phenanthrene, fluoranthene, and the benzo compounds. In addition, phthalates (plasticizers) were detected at the perimeter monitoring well location P6-MW-01 in soil. In groundwater, SVOCs were detected at monitoring wells near AOI 6-17 in the southwest corner of the Site at concentrations below Part 201 Criteria. Temporary monitoring wells P6-SB-34 and P6-SB-23, both located at AOI 6-88, indicated SVOCs above MDEQ Criteria for naphthalene.

No PCBs were detected in the soil samples or groundwater samples collected at Plant 6.

The following lists the specific AOIs that will require further action based on the results of the RFI Phase I Investigation:

- AOI 6-11 - SWMU 11, Wastewater Cistern. Further groundwater investigation is required based on manganese exceeding MDEQ Part 201 Criteria in the groundwater sample collected from the temporary monitoring well installed during Phase I investigation activities.
- AOI 6-16/6-33 - AOI 1, Tanks 5 and 6/Tank Farm. Further groundwater investigation is required based on detections of 1,4-dioxane (detected below MDEQ Part 201 Criteria), and manganese exceeding MDEQ Part 201 Criteria

in the groundwater sample collected from monitoring well MWBP-12-UST5-6 located in the vicinity of AOI 6-16/6-33.

- AOI 6-17 - AOC 2, Tanks 1 (SWMU 4) and 3 (SWMU 8). Further soil investigation is required based on detections of VOCs exceeding MDEQ Part 201 Criteria in soil samples. Further groundwater investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) and VOCs and metals exceeding MDEQ Part 201 Criteria in groundwater samples collected from monitoring wells B-BP-16, MWBP-10-UST1-4, MWBP-11-UST1-4, MWBP-12-UST1-4, MWBP-13-UST1-4, and UNK-3 located in the vicinity of AOI 6-17.
- AOI 6-18 - Lead in Soil. Further soil investigation is required based on detections of VOCs and SVOCs (detected below MDEQ Part 201 Criteria) and metals (boron and manganese) exceeding MDEQ Part 201 Criteria in soil samples. Further groundwater investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) and VOCs and metals exceeding MDEQ Part 201 Criteria in groundwater samples collected from the temporary monitoring well installed during Phase I investigation activities.
- AOI 6-19 - Process Waste Tunnel. Further groundwater investigation is required based on detection of acetone (detected below MDEQ Part 201 Criteria) and metals (dissolved and/or total concentrations of arsenic, copper, vanadium, and lead) exceeding MDEQ Part 201 Criteria in the nearby monitoring well MW-03-08.
- AOI 6-30 - New Weld Pit. Although there are no permanent monitoring wells near AOI 6-30, further groundwater investigation is required based on manganese exceeding MDEQ Part 201 Criteria in a groundwater sample collected from a nearby temporary monitoring well (P6-SB-07), installed during Phase I investigation activities.
- AOI 6-43 - Stormceptor. Further groundwater investigation is required based on detection of the vinyl chloride (detected below MDEQ Part 201 Criteria) and metals (dissolved and/or total concentrations of arsenic, manganese, silver, and lead) exceeding MDEQ Part 201 Criteria in the nearby monitoring well MW-03-05.



- AOI 6-47 - Leaking Industrial Waste Line. Further soil investigation is required based on the detection of SVOCs (detected below MDEQ Part 201 Criteria) in soil samples.
- AOI 6-49 - 2nd Lacquer Booth. Further soil investigation is required based on manganese (exceeding MDEQ Part 201 Criteria) in the soil sample collected.
- AOI 6-59 - Stormceptor. Further groundwater investigation is required based on detection of the MTBE at concentrations below MDEQ Part 201 Criteria, and manganese exceeding MDEQ Part 201 Criteria in the nearby monitoring well MWBP-10-UST5-6.
- AOI 6-60 - Paint Mix Room. Further soil investigation is required based on VOCs exceeding MDEQ Part 201 Criteria in soil samples collected. Further groundwater investigation is required based on VOCs exceeding MDEQ Part 201 Criteria in groundwater samples collected from the temporary monitoring well installed during Phase I investigation activities.
- AOI 6-63 - Sump. Although there are no permanent monitoring wells near AOI 6-63, further groundwater investigation is required based on manganese exceeding MDEQ Part 201 Criteria in a groundwater sample collected from a nearby temporary monitoring well (P6-SB-07), installed during Phase I investigation activities.
- AOI 6-81 - Former Paint Shop Area. Further groundwater investigation is required based on detection of VOCs (detected below MDEQ Part 201 Criteria) and metals exceeding MDEQ Part 201 Criteria in groundwater samples collected from temporary monitoring wells installed during RFI Phase I investigation activities.
- AOI 6-88 - Parking Lot Exceedance. Further soil investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) and VOCs and metals exceeding MDEQ Part 201 Criteria in soil samples. Further groundwater investigation is required based on SVOCs, VOCs, and metals exceeding MDEQ Part 201 Criteria in groundwater samples collected from the temporary monitoring wells installed during Phase I investigation activities.
- Building 23 Sumps and Trenches (AOIs ID 6-36, ID 6-38, ID 6-39, and ID 6-75). Although VOCs, SVOCs, and PCBs were not detected, and metal

detections were below criteria in the soil samples collected, further soil investigation is required based on a positive result from the Oil-N-Soil™ shake test at sample location P6-SB-25. ARCADIS collected soil samples from this boring to conduct shake tests to evaluate the potential presence of free phase hydrocarbons at the Site following the MDEQ Effective Solubility Workgroup recommended alternative field methods. The shake testing was conducted on select soil samples based on field observations including visual, olfactory, and PID readings. The shake tests consisted of placing the soil sample in Oil-n-Soil™ containers, adding distilled water, and agitating the container. The dye is soluble in most petroleum compounds and stains petroleum products red if present in the soil.

- Miscellaneous Item Data Gap Filler Area. Further soil investigation is required based on detections of SVOCs (detected below MDEQ Part 201 Criteria) in soil samples from boring P6-SB-05 and a positive result from an Oil-N-Soil™ shake test at sample location P6-SB-06.
- Background Sampling. Further groundwater investigation is required based on manganese and lead exceeding MDEQ Part 201 Criteria in the groundwater sample collected from a temporary monitoring well (P6-SB-10), installed during RFI Phase I investigation activities.
- P6-MW-01 - Perimeter Well South. Further soil investigation is required based in detections of SVOCs (detected below MDEQ Part 201 Criteria) in soil samples collected from installation of monitoring well P6-MW-01. Further groundwater investigation is required based on manganese and lead exceeding MDEQ Part 201 Criteria in the groundwater sample collected from monitoring well P6-MW-01.

The extent to which the Plant 6 AOIs will be further evaluated, and the scope of work to be employed during the Phase II activities, will be outlined in the forthcoming RFI Phase 2 Investigation Work Plan scheduled to be complete in the first quarter of 2012.

References

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Certification Statement

In accordance with 40 CFR 270.11(d)(1) the following statement is provided;

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A handwritten signature in dark ink, reading "Amy L. Hoeksema".

Amy L. Hoeksema, C.P.G.
Certified Project Manager / Vice President



Tables

TABLE 1.1
RACER TRUST LANSING PLANTS 2, 3 & 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
GROUNDWATER ELEVATION SUMMARY TABLE

Well I.D	Date Collected	Reference Elevation (TOC)	Depth to Water (ft. below TOC)	Groundwater Elevation (msl)	Total Well Depth (ft. below TOC)	Casing Size (inches)
Plant 2						
MW-1	10/4/2011	876.10	10.43	865.67	15.79	2
MW-2	10/4/2011	876.20	11.20	865.00	21.30	2
MW-3	10/4/2011	876.79	11.01	865.78	19.31	2
P2-MW-01	10/4/2011	858.00	16.29	841.71	35.75	2
P2-MW-02	10/4/2011	872.24	38.37	833.87	40.15	2
P2-MW-03	10/4/2011	854.18	10.25	843.93	27.10	2
P2-MW-04	10/4/2011	862.28	11.93	850.35	35.70	2
Plant 3						
MW-1	10/4/2011	860.11	56.55	803.56	64.55	2
MW-02 (UNK-12)	10/4/2011	859.83	5.41	854.42	15.95	4
MW-02-01	10/4/2011	865.54	56.02	809.52	71.60	2
MW-02-02	10/4/2011	863.14	67.94	795.20	84.00	2
MW-02-03	10/4/2011	859.90	64.23	795.67	89.50	2
MW-02-04	10/4/2011	860.06	64.21	795.85	84.55	2
MW-3	10/4/2011	859.50	5.01	854.49	12.72	2
MW-4	11/28/2011	859.40	5.30	854.10	15.49	4
MW-04-01	10/4/2011	862.61	55.50	807.11	105.58	2
MW 04-02	10/4/2011	861.26	66.04	795.22	132.70	2
MW 04-03	10/4/2011	861.00	64.99	796.01	88.25	2
MW-5	11/28/2011	859.02	4.93	854.09	14.98	4
MW-6	11/28/2022	859.52	4.37	855.15	11.29	4
MW-19	10/4/2011	859.97	57.93	802.04	64.63	2
MW-22	11/29/2011	859.69	56.17	803.52	62.78	2
MW-23	11/29/2011	859.45	55.28	804.17	62.68	2
MW-91-1	11/29/2011	859.56	3.98	855.58	15.41	4
MW-91-2	10/4/2011	863.62	64.82	798.80	76.64	4
MW-91-3	10/4/2011	860.81	68.99	791.82	120.90	2
MW-91-5	10/4/2011	861.20	65.59	795.61	127.75	2
MW-93-1	10/4/2011	866.05	DRY		70.09	2
UNK-9	10/4/2011	859.42	3.25	856.17	15.26	4
UNK-10	10/19/2011	859.34	4.96	854.38	15.01	4
UNK-11	11/29/2011	859.91	5.24	854.67	11.42	2
UNK-13	10/4/2011	859.11	4.25	854.86	15.28	2
Plant 6						
B-BP-16	10/4/2011	869.38	7.36	862.02	11.75	2
MW-02-01	10/4/2011	866.06	28.57	837.49	40.24	2
MW-02-02	10/4/2011	868.04	31.08	836.96	43.45	2
MW-02-03	10/4/2011	869.97	31.35	838.62	43.64	2
MW-03-01	10/4/2011	861.88	23.82	838.06	33.30	2
MW-03-02	10/4/2011	864.76	23.09	841.67	39.50	2
MW-03-04	10/4/2011	865.53	23.45	842.08	42.85	2
MW-03-05	12/2/2011	869.14	25.75	843.39	44.80	2
MW-03-06	10/4/2011	870.80	36.86	833.94	40.60	2
MW-03-07	10/4/2011	866.88	27.16	839.72	40.76	2
MW-03-08	12/2/2011	869.03	33.19	835.84	45.48	2
MW-04-01	10/4/2011	867.17	74.95	792.22	87.55	2
MW-04-05	10/4/2011	858.87	10.60	848.27	20.28	2
MW-04-06	10/4/2011	858.80	65.00	793.80	96.85	2

TABLE 1.1
RACER TRUST LANSING PLANTS 2, 3 & 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
GROUNDWATER ELEVATION SUMMARY TABLE

Well I.D	Date Collected	Reference Elevation (TOC)	Depth to Water (ft. below TOC)	Groundwater Elevation (msl)	Total Well Depth (ft. below TOC)	Casing Size (inches)
Plant 6 Cont.						
MWBP-10-UST1-4	12/2/2011	868.07	5.29	862.78	11.07	4
MWBP-10-UST5-6	10/4/2011	867.70	31.79	835.91	36.65	2
MWBP-10A-UST1-4	12/2/2011	866.66	1.41	865.25	11.60	4
MWBP-11-UST1-4	11/29/2011	868.66	2.80	865.86	11.56	4
MWBP-12-UST1-4	12/2/2011	870.02	7.20	862.82	11.24	4
MWBP-12A-UST1-4	10/4/2011	869.74	33.13	836.61	38.00	4
MWBP-13-UST1-4	10/4/2011	869.89	33.37	836.52	38.07	2
P6-MW-01	10/4/2011	870.10	29.28	840.82	31.07	4
UNK-3	10/4/2011	868.85	5.61	863.24	11.81	4

Footnotes:

TOC - Top of Casing

MSL - Mean Sea Level

TABLE 2.1
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
AOI LIST AND SAMPLING MATRIX

AOI Identification	AOI Title	AOI Description/Components	AOI Location Building Number Column/Bay	AOI Approximate Depth Below Grade (ft)	Materials Handled	Historical Constituents Detected above Part 201 Cleanup Criteria	Associated Soil Boring	Maximum Concentration Observed in AOI (mg/kg)	Proposed Phase II RFI Activities	Explanation/Rationale	Soil Boring ID
2-1	SWMU 1 - Waste Water Treatment System/Former Coal Pile	Treats wastewater containing ELPO, oil, suspended solids, and heavy metal wastes. Prior to WWT, area was used to store coal.	South of Building 204	0	Waste Water/Coal	NA	NA	NA	Further Action	No VOCs detected. No SVOCs detected. No metals detected above criteria. P2-MW-2 groundwater sample above DWP for Mn.	P2-SB-27 P2-SB-28 P2-MW-2
2-6	SWMU 6 - Former Oily Waste Treatment System	Three 10,000-gallon concrete tanks, two treatment tanks, two gravity separators, chemical storage tanks	North of Building 244	<15	Oily Waste	NA	NA	NA	Further Action	VOCs not analyzed. Several SVOCs detected at P2-SB-11 and P2-SB-12 @ 2'-3', all below criteria. Mn detected above DWP & GSI (SB-11 only). PCBs detected at P2-SB-11 @ 2'-3'	P2-SB-11 P2-SB-12
2-7	SWMU 7 - Building 242 Former Drum Storage Area	Likely stored paint waste, spent solvents, and used oil. Stored PCB waste.	Inside the North End of Building 242	10	Waste Paints, Waste Solvents, Used Oil, PCB Wastes	NA	NA	NA	Further Action	SVOCs (bis(2-Ethylhexyl)phthalate) detected at P2-SB-30 @ 3'-4', but below criteria. VOCs (Methyl cyclohexane) detected shallow but below criteria at P2-MW-1 @ 0'-2'. No metals detected above criteria	P2-SB-30 P2-MW-1
2-8	SWMU 8 - Former Outdoor Storage Area	Likely stored waste paint, spent solvent, and used oils on a concrete pad.	Northwest of Building 241	0	Waste Paints, Waste Solvents, Used Oil	NA	NA	NA	Further Action	Several SVOCs detected at 5'-6', but not at 9'-10' (all below criteria). No metals detected above criteria.	P2-SB-33
2-11	SWMU 11 - Former Gondola Storage Area	Two paved outdoor areas; stored 1-to 3-cubic yard steel gondolas	Northwest of Building 206C	0	Oil Filters, Air Filters, Oil and Grease	NA	NA	NA	Further Action	No VOCs detected. No SVOCs detected. Metals (Mn) detected above DWP & GSI at P2-SB-35 @ 2'-3'. MW-3 groundwater sample above DWP for Mn (dissolved)	P2-SB-35 P2-SB-34 P2-MW-3
2-12	SWMU 12 - Former Empty Container Storage Area	Empty 55-gallon drums generated from facility operations	Southwest of Building 241	0	Empty 55 Gallon Drums	NA	NA	NA	Further Action	No VOCs detected. SVOCs detected @ 1'-2', but not at 9'-10' (all below criteria). Co and Mn detected above DWP & GSI (@ 1'-2' and 9'-10').	P2-SB-31
2-14	SWMU 14 - Former Scrap Metal Storage Areas	Stored non-hazardous scrap metal (machining chips, turnings, trimmings, and scrap parts)	West of Building 241 and East of Building 206	0	Scrap Metal	NA	NA	NA	Further Action	VOCs not analyzed. SVOCs (Phenanthrene) detected above GSI at P2-SB-29 @ 4'-5'. SVOCs detected @ 1'-2' and 4'-5' Ar, Bo, Co, Cu, Mn, Ni & Zn detected above DWP and/or GSI @ 4'-5' only (SB-29).	P2-SB-32 P2-SB-29
2-15	AOC 1 - Building 225 UST Farm	Eight former 30,000-gallon tanks. Removed 1989. Closure report submitted 10/1/96.	South of Building 225	<15	Used Oil, Quench Oil, Cutting Oil and Lube Oil	1,1,1-Trichloroethane	B-7 7.5-15(ft BGS)	310 {EGH}	Further Action	Several SVOCs detected above criteria (GSI and DC) at P2-MW-4 @ 1'-3'. Ar above DWP, GSI and DC at P2-MW-4 @ 1'-3'. Benzene detected above DWP @ 1'-2' at B-2. VOCs and SVOCs detected at B-2 at 1'-2' and at B-7 @ 12'-13' , all below criteria. Pubs detect at B-7 @ 12'-13'.	B-2 B-7 P2-MW-4
						1,1-Dichloroethene	B-7 7.5-15(ft BGS)	16 {ABEGHI}			
						1,2-Dichlorobenzene	B-7 0-7.5(ft BGS)	0.75 {G}			
						1,4-Dichlorobenzene	B-7 0-7.5(ft BGS)	0.5 {G}			
						Benzene	B-2 0-7.5(ft BGS)	2.5 {EH}			
						Ethylbenzene	TP-4 2.5-2.5(ft BGS)	1.3 {G}			
						Tetrachloroethene	B-2 0-7.5(ft BGS)	1.5 {EG}			
						Toluene	B-7 7.5-15(ft BGS)	3.9 {G}			
						Trichloroethene	B-7 7.5-15(ft BGS)	0.14 {E}			
						Xylene (total)	TP-4 2.5-2.5(ft BGS)	4.9 {G}			
2-16	AOC 3 - Building 250 UST Farm	2-20,000 gallon tanks that stored gasoline and diesel East of Building 250. 1-1,500 gallon tank that stored used oil located Southeast of Building 250. 1-12,000 gallon tank that stored heating oil located West of Building 250. All UST's removed in 1990 and 1991. Closure report submitted on 10/01/1996. Restrictive Covenant filed with Register of Deeds in 2003.	East of Building 250	<15	Gasoline, Diesel, and Used Oil				further Action	MW-1 and MW-3 above GSI criteria for Cu and/or Ag.	
2-23	Acid House and Two Storage Tanks of Unknown Operations	Two storage tanks with unknown contents were located immediately south of acid house.	West of Building 206, North of Basketball Court	15	Unknown (Likely Acids)	NA	NA	NA	No Further Action	No VOCs detected. No SVOCs detected. No metals detected above criteria	P2-SB-36
ID 2-26	Quench Oil Operations	Quench Oil Pits	Building 206C B8 and C8	<10	Quench Oil	NA	NA	NA	Further Action	SVOCs detected at P2-SB-14 @ 9'-10' and 14'-15'. VOCs detected at P2-SB-13 @ 14'-15'. Selenium detected above GSI criteria at both SB-13 & 14. PCBs detected at P2-SB-13 @ 2'-3'.	P2-SB-13 P2-SB-14
		Quench Oil Tank	Building 206 B4								
		Tank, Unknown	Building 206 A4								
		Water Quench Pit	Building 206 B3-4								
		Quench Oil Settling Tanks	Building 206 C3-4								
		Type B sumps	Building 206 C4-5								
ID 2-27	Paint Shop Sumps and Trenches	Three Sumps are 3'x3'x3' each	Buildings 206 and 237 B1-3	3	Paint Shop Liquid Wastes	NA			No Further Action	No VOCs detected. SVOCs not analyzed. Metals not analyzed.	P2-SB-22

TABLE 2.1
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
AOI LIST AND SAMPLING MATRIX

AOI Identification	AOI Title	AOI Description/Components	AOI Location Building Number Column/Bay	AOI Approximate Depth Below Grade (ft)	Materials Handled	Historical Constituents Detected above Part 201 Cleanup Criteria	Associated Soil Boring	Maximum Concentration Observed in AOI (mg/kg)	Proposed Phase II RFI Activities	Explanation/Rationale	Soil Boring ID
ID 2-31	Press Pit and Associated Sumps, Pits, and Trenches	Two 3'x3' oil containment sumps under hydraulic presses	Building 207 A4-7	<15	Used Hydraulic Oil	NA	NA	NA	Further Action	No VOCs detected. SVOCs detected below criteria at P2-SB-18 @ 4'-5' and 19'-20'. SVOCs detected at P2-SB-21 @ 19'-20'. Selenium detected above GSI at P2-SB-21 @ 4'-5'. Metals detected above DWP and GSI in water sample collected at P2-SB-20. Positive shake test at P2-SB-21 @ 9'-10'.	P2-SB-18 P2-SB-19 P2-SB-20 P2-SB-21
ID 2-32		Press pit sumps	Building 207 B7-8	3	Used Oil						
ID 2-33		2 oil containment sumps, 3'x3' and trench	Building 207 A5	<10	Oily Waste						
ID 2-34		2 oily waste line manhole sumps	Building 207 B5-6	<15	Used Hydraulic Oil						
ID 2-35		2 Press Pits	Building 207 B1-4	<4	Used Tramp Oil						
ID 2-49		6" deep Tramp Oil trenches	Building 207 B1-4								
		3' deep Tramp Oil sumps	Building 207 B1-4								
		Trenches and Hammer Pits Associated with Press Operations	Building 207 A2-11	<10	Unknown						
ID 2-36	Oil Separator and Sump	10" oily waste line runs to separator.	North Side of Building 231	<10	Used Oil	NA	NA	NA	Further Action	PCBs detected at 5.5'-6.5'. VOCs detected above DWP, GSI and/or SVIA criteria @ 5.5' - 6.5'. Positive shake test at 0'-5'. SVOCs (Flourene and Phenanthrene) detected above GSI criteria. Metals not analyzed.	P2-SB-24
ID 2-37	Press Pits	Concrete press pits.	Building 242 C2-5	<15	Used Hydraulic Oil	NA	NA	NA	Further Action	No VOCs detected. SVOCs detected above DWP and GSI criteria @ 3'-4' (SB-23). SVOCs detected at all sample locations. No metal detected above criteria. PCBs detected at P2-SB-23 @ 3'-4'.	P2-SB-26 P2-SB-23
		One sump associated with presses.	Building 242 B2								
ID 2-38	Scrap Steel Operations Pits	Scrap Steel Pits, 8' Deep	Building 242 A3-5	<15	Scrap Steel and Oily Waste	NA	NA	NA	Further Action	SVOCs detected @ 9'-10' only (below criteria) No VOCs detected. No metals detected above criteria	P2-SB-17
		Scrap Pit oily waste sump	Building 242 B2								
ID 2-39	Fuel Oil Pump House and Tank Farm	Eight oil storage tanks, 10.5' in diameter. Trenching associated with tanks. Three truck unloading stations associated with tanks	Building 229	<15	Fuel Oil	NA	NA	NA	Further Action	VOCs detected at P2-SB-4 @ 4'-5'. No SVOCs detected. Metals not analyzed.	P2-SB-5 P2-SB-3 P2-SB-4
2-52	Pickling Room	Concrete wall and acid-resistant floor	Building 203 A3	0	Unknown (Likely Acids)	NA	NA	NA	Further Action	Toluene detected @ 9'-10', but below criteria Flourene detected @ 1'-2' and 9'-10', but below criteria. SVOCs detected @ 1'-2' and 9'-10'. No metals detected above criteria. LNAPL containing PCBs found in temp well.	P2-SB-37
ID 2-55	PCB Storage Deck	10'x12' with one 1' deep sump in the center	Building 208A D1	1	PCBs	NA	NA	NA	No Further Action	VOCs not analyzed. SVOCs not analyzed. Metals not analyzed. PCBs non-detect	P2-SB-16
ID 2-59	Press Pits	8' 4" deep, 21' by 35' and 67' by 25'	Building 201 D3, E3, F3, D-F/21-22, and K-M/21-22	9	Used Hydraulic Oil	NA	NA	NA	Further Action	VOCs detected above DWP criteria P2-SB-15 @ 9'-10'. VOCs detected at several locations. SVOCs detected above GSI at P2-SB-25 @ 4'-5'. SVOCs detected at several locations. Mn detected above DWP and GSI criteria at P2-SB-15 @ 4'-5'.	P2-SB-15 P2-SB-25
Misc Item Data Gap Filler Borings	IDs: 2-20, 2-21, 2-22, 2-42, 2-43, 2-44, 2-46, 2-47, 2-48, 2-56, 2-57, 2-58, 2-59, 2-60, 2-63, 2-64,	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	NA	NA	NA	Further Action	VOCs detected above DWP at P2-SB-02 @ 5'-6'. VOCs detected @ 5'-6' at P2-SB-7 and P2-SB-8. SVOCs detected above DWP at P2-SB-02 @ 5'-6'. SVOCs detected @ 5'-6' at P2-SB-2; P2-SB-6; P2-SB-7 and P2-SB-8. Metals detected above DWP and GSI at P2-SB-07 @ 5'-6'. Metals detected above DWP and GSI in water sample collected at P2-SB-06 (Ar, Ba and Pb).	P2-SB-8 P2-SB-1 P2-SB-2 P2-SB-9 P2-SB-10 P2-SB-6 P2-SB-7

Notes:

NA - not applicable
Csat - Part 201 Soil Saturation Concentration Screening Levels
DC - Direct Contact Criteria
DWP - Drinking Water Protection Criteria
GSIP - Groundwater Surface Water Interface Protection
PCBs - Polychlorinated biphenyls
PSIC - Particulate Soil Inhalation Criteria
AOI - Area of Interest
ft. - Feet

LNAPL - Light Non-Aqueous Phase Liquid
ft. - Feet
SVIIC - Soil Volatilization to Indoor Air Inhalation Criteria
SVOCs - Semi-Volatile Organic Compounds
VOCs - Volatile Organic Compounds
VSIC - Infinite Source Volatile Soil Inhalation Criteria
RWC - Risk-based Redevelopment Worker Contact
TAL - target analyte list (for metals) - note: will include speciation of chromium (trivalent and hexavalent) where noted above
TCL - target compound list (for VOCs and SVOCs)
LNAPL - Light Non-Aqueous Phase Liquid

Sample Concentration Exceedance Codes:

{A} - MDEQ Part 201 Industrial SVIIC
{B} - MDEQ Part 201 Industrial VSIC
{C} - MDEQ Part 201 Industrial PSIC
{D} - MDEQ Part 201 Industrial DC
{E} - MDEQ Part 201 Residential DWP
{F} - Risk-based Redevelopment Worker Contact
{G} - MDEQ Part 201 GSIP
{H} - MDEQ Part 201 Residential SVIIC
{I} - MDEQ Part 201 Residential VSIC
{J} - MDEQ Part 201 Residential PSIC
{K} - MDEQ Part 201 Residential DC
{L} - MDEQ Part 201 Soil Saturation Concentration Screening Levels

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

									AOI 2-1						AOI-2-6	
Location ID: Sample Depth(ft): Date Collected:	Units	Statewide Default Background Levels	Residential Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential Direct Contact Criteria & RBSLs	Residential Soil Vol to Indoor Air Inhalation Criteria & RBSLs	Residential Infinite Source VSIC & RBSLs	Residential Particulate Soil Inhalation Criteria & RBSLs	P2-SB-27 3 - 4 09/02/11	P2-SB-27 10 - 11 09/02/11	P2-SB-28 2 - 3 09/02/11	P2-SB-28 9 - 10 09/02/11	P2-MW-02 0.5 - 2.5 07/22/11	P2-MW-02 31 - 32 07/22/11	P2-SB-11 2 - 3 09/07/11	P2-SB-11 19 - 20 09/07/11
VOCS																
1,1,1-Trichloroethane	µg/kg	NA	4,000	1,800	4.60E+05(C)	2.50E+05	3.80E+06	6.70E+10	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,1,2,2-Tetrachloroethane	µg/kg	NA	170	1,600(X)	53,000	4,300	10,000	5.40E+07	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,1,2-Trichloroethane	µg/kg	NA	100	6,600(X)	1.80E+05	4,600	17,000	1.90E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,1-Dichloroethene	µg/kg	NA	140	2,600	2.00E+05	62	1,100	6.20E+07	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,2,4-Trichlorobenzene	µg/kg	NA	4,200	5,900(X)	9.90E+05(DD)	1.10E+06(C)	2.80E+07	2.50E+10	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<3.0	<3.0 [<3.0]	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	NA	20(M)	110(X)	92	670	1,700	1.40E+07	NA	NA	NA	NA	<1.0	<1.0 [<1.0]	NA	NA
1,2-Dichlorobenzene	µg/kg	NA	14,000	280	2.10E+05(C)	2.10E+05(C)	3.90E+07	1.00E+11	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,2-Dichloropropane	µg/kg	NA	100	4,600(X)	1.40E+05	4,000	25,000	2.70E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,3-Dichlorobenzene	µg/kg	NA	170	680	1.70E+05(C)	26,000	79,000	2.00E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,4-Dichlorobenzene	µg/kg	NA	1,700	360	4.00E+05	19,000	77,000	4.50E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,4-Dioxane	µg/kg	NA	1,700	56,000(X)	5.30E+05	NLV	NLV	5.70E+08	NA	NA	NA	NA	<300	<300 [<300]	NA	NA
2-Butanone (Methyl Ethyl Ketone)	µg/kg	NA	2.60E+05	44,000	2.70E+07(C,DD)	2.70E+07(C)	2.90E+07	6.70E+10	NA	NA	NA	NA	<560	<540 [<560]	NA	NA
2-Hexanone	µg/kg	NA	20,000	ID	2.50E+06(C)	9.90E+05	1.10E+06	2.70E+09	NA	NA	NA	NA	<560	<540 [<560]	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/kg	NA	36,000	ID	2.70E+06(C)	2.70E+06(C)	4.50E+07	1.40E+11	NA	NA	NA	NA	<560	<540 [<560]	NA	NA
Acetone	µg/kg	NA	15,000	34,000	2.30E+07	1.10E+08(C)	1.30E+08	3.90E+11	NA	NA	NA	NA	<560	<540 [<560]	NA	NA
Bromodichloromethane	µg/kg	NA	1,600(W)	ID	1.10E+05	1,200	9,100	8.40E+07	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Bromoform	µg/kg	NA	1,600(W)	ID	8.20E+05	1.50E+05	9.00E+05	2.80E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Bromomethane (Methyl Bromide)	µg/kg	NA	200	700	3.20E+05	860	11,000	3.30E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Carbon disulfide	µg/kg	NA	16,000	ID	2.80E+05(C,DD)	76,000	1.30E+06	4.70E+10	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Carbon tetrachloride	µg/kg	NA	100	900(X)	96,000	190	3,500	1.30E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Chloroform (Trichloromethane)	µg/kg	NA	1,600(W)	7,000	1.20E+06	7,200	45,000	1.30E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Chloromethane (Methyl Chloride)	µg/kg	NA	5,200	ID	1.10E+06(C)	2,300	40,000	4.90E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
cis-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Cyclohexane	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Dibromochloromethane	µg/kg	NA	1,600(W)	ID	1.10E+05	3,900	24,000	1.30E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Dichlorodifluoromethane (CFC-12)	µg/kg	NA	95,000	ID	1.00E+06(C)	9.00E+05	5.30E+07	3.30E+12	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Isopropylbenzene	µg/kg	NA	91,000	3,200	3.90E+05(C)	3.90E+05(C)	1.70E+06	5.80E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
m&p-Xylene	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<100	<100 [<100]	NA	NA
Methyl acetate	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<560	<540 [<560]	NA	NA
Methyl cyclohexane	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Methyl Tert Butyl Ether	µg/kg	NA	800	1.40E+05(X)	1.50E+06	5.90E+06(C)	2.50E+07	2.00E+11	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Styrene	µg/kg	NA	2,700	2,100(X)	4.00E+05	2.50E+05	9.70E+05	5.50E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Tetrachloroethene	µg/kg	NA	100	1,200(X)	88,000(C)	11,000	1.80E+05	5.40E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
trans-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Trichloroethene	µg/kg	NA	100	4,000(X)	5.00E+05(C,DD)	7,100	78,000	1.80E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Trichlorofluoromethane (CFC-11)	µg/kg	NA	52,000	NA	5.60E+05(C)	5.60E+05(C)	9.20E+07	3.80E+12	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Trifluorotrchloroethane (Freon 113)	µg/kg	NA	5.50E+05(C)	1,700	5.50E+05(C)	5.50E+05(C)	1.80E+08	5.10E+12	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,1-Dichloroethane	µg/kg	NA	18,000	15,000	8.90E+05(C)	2.30E+05	2.10E+06	3.30E+10	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
1,2-Dichloroethane	µg/kg	NA	100	7,200(X)	91,000	2,100	6,200	1.20E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
cis-1,2-Dichloroethene	µg/kg	NA	1,400	12,000	6.40E+05(C)	22,000	1.80E+05	2.30E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
trans-1,2-Dichloroethene	µg/kg	NA	2,000	30,000(X)	1.40E+06(C)	23,000	2.80E+05	4.70E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Benzene	µg/kg	NA	100	4,000(X)	1.80E+05	1,600	13,000	3.80E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Chlorobenzene	µg/kg	NA	2,000	500	2.60E+05(C)	1.20E+05	7.70E+05	4.70E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Chloroethane	µg/kg	NA	8,600	22,000(X)	9.50E+05(C)	9.50E+05(C)	3.00E+07	6.70E+11	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Ethylbenzene	µg/kg	NA	1,500	360	1.40E+05(C)	87,000	7.20E+05	1.00E+10	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Methylene chloride	µg/kg	NA	100	30,000(X)	1.30E+06	45,000	2.10E+05	6.60E+09	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Toluene	µg/kg	NA	16,000	5,400	2.50E+05(C)	2.50E+05(C)	2.80E+06	2.70E+10	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
Vinyl chloride	µg/kg	NA	40	260(X)	3,800	270	4,200	3.50E+08	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
o-Xylene	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<60	<50 [<60]	NA	NA
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2,4,5-Trichlorophenol	µg/kg	NA	39,000	NA	2.30E+07	NLV	NLV	2.30E+10	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2,4,6-Trichlorophenol	µg/kg	NA	2,400	330(M)	7.10E+05	NLV	NLV	1.00E+09	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2,4-Dichlorophenol	µg/kg	NA	1,500	330(M)	6.60E+05(DD)	NLV	NLV	5.10E+09	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2,4-Dimethylphenol	µg/kg	NA	7,400	7,600	1.10E+07	NLV	NLV	4.70E+09	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2,4-Dinitrophenol	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2,4-Dinitrotoluene	µg/kg	NA	430	NA	48,000	NLV	NLV	1.60E+07	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2,6-Dinitrotoluene	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2-Chloronaphthalene	µg/kg	NA	6.20E+05	NA	5.60E+07	ID	ID	ID	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2-Chlorophenol	µg/kg	NA	900	360	1.40E+06	4.30E+05	9.60E+05	1.20E+09	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2-Methylnaphthalene	µg/kg	NA	57,000	4,200	8.10E+06	2.70E+06	1.50E+06	6.70E+08	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2-Methylphenol	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2-Nitroaniline	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
2-Nitrophenol	µg/kg	NA	400	ID	6.30E+05	NLV	NLV	ID	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
3&4-Methylphenol	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
3,3'-Dichlorobenzidine	µg/kg	NA	2,000(M)	2,000(M)	6,600	NLV	NLV	6.50E+06	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
3-Nitroaniline	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
4,6-Dinitro-2-methylphenol	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
4-Bromophenyl phenyl ether	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
4-Chloro-3-methylphenol	µg/kg	NA	5,800	280	4.50E+06	NLV	NLV	ID	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
4-Chloroaniline	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

									AOI 2-1						AOI-2-6	
Location ID: Sample Depth(ft): Date Collected:	Units	Statewide Default Background Levels	Residential Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential Direct Contact Criteria & RBSLs	Residential Soil Vol to Indoor Air Inhalation Criteria & RBSLs	Residential Infinite Source VSIC & RBSLs	Residential Particulate Soil Inhalation Criteria & RBSLs	P2-SB-27 3 - 4 09/02/11	P2-SB-27 10 - 11 09/02/11	P2-SB-28 2 - 3 09/02/11	P2-SB-28 9 - 10 09/02/11	P2-MW-02 0.5 - 2.5 07/22/11	P2-MW-02 31 - 32 07/22/11	P2-SB-11 2 - 3 09/07/11	P2-SB-11 19 - 20 09/07/11
SVOCs cont.																
4-Chlorophenyl phenyl ether	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
4-Nitroaniline	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
4-Nitrophenol	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Acenaphthene	µg/kg	NA	3.00E+05	8,700	4.10E+07	1.90E+08	8.10E+07	1.40E+10	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Acenaphthylene	µg/kg	NA	5,900	ID	1.60E+06	1.60E+06	2.20E+06	2.30E+09	NA	NA	NA	NA	<40	<40 [<40]	120	<40
Acetophenone	µg/kg	NA	30,000	ID	1.10E+06(C)	1.10E+06(C)	4.40E+07	3.30E+10	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Anthracene	µg/kg	NA	41,000	ID	2.30E+08	1.00E+09(D)	1.40E+09	6.70E+10	NA	NA	NA	NA	<40	<40 [<40]	1,900	<40
Atrazine	µg/kg	NA	60	150	71,000(DD)	NLV	NLV	ID	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Benzaldehyde	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Benzo(a)anthracene	µg/kg	NA	NLL	NLL	20,000	NLV	NLV	ID	NA	NA	NA	NA	<40	<40 [<40]	1,300	<40
Benzo(a)pyrene	µg/kg	NA	NLL	NLL	2,000	NLV	NLV	1.50E+06	NA	NA	NA	NA	<40	<40 [<40]	1,100	<40
Benzo(b)fluoranthene	µg/kg	NA	NLL	NLL	20,000	ID	ID	ID	NA	NA	NA	NA	<40	<40 [<40]	1,300	<40
Benzo(g,h,i)perylene	µg/kg	NA	NLL	NLL	2.50E+06	NLV	NLV	8.00E+08	NA	NA	NA	NA	<40	<40 [<40]	640	<40
Benzo(k)fluoranthene	µg/kg	NA	NLL	NLL	2.00E+05	NLV	NLV	ID	NA	NA	NA	NA	<40	<40 [<40]	1,100	<40
Biphenyl	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
bis(2-Chloroethoxy)methane	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
bis(2-Chloroethyl)ether	µg/kg	NA	100	100(M)	13,000	8,300	3,800	9.40E+06	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
bis(2-Ethylhexyl)phthalate	µg/kg	NA	NLL	NLL	2.80E+06	NLV	NLV	7.00E+08	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Butyl benzylphthalate	µg/kg	NA	3.10E+05(C)	1.20E+05(X)	3.10E+05(C)	NLV	NLV	4.70E+10	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Caprolactam	µg/kg	NA	1.20E+05	NA	5.30E+07(DD)	NLV	NLV	6.70E+08	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Carbazole	µg/kg	NA	9,400	1,100	5.30E+05	NLV	NLV	6.20E+07	NA	NA	NA	NA	<40	<40 [<40]	70	<40
Chrysene	µg/kg	NA	NLL	NLL	2.00E+06	ID	ID	ID	NA	NA	NA	NA	<70	<70 [<70]	2,300	<70
Dibenz(a,h)anthracene	µg/kg	NA	NLL	NLL	2,000	NLV	NLV	ID	NA	NA	NA	NA	<70	<70 [<70]	300	<70
Dibenzofuran	µg/kg	NA	ID	1,700	ID	2.00E+06	1.30E+05	6.70E+06	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Diethyl phthalate	µg/kg	NA	1.10E+05	2,200	7.40E+05(C)	NLV	NLV	3.30E+09	NA	NA	NA	NA	<70	<70 [<70]	<100	<70
Dimethyl phthalate	µg/kg	NA	7.90E+05(C)	NA	7.90E+05(C)	NLV	NLV	3.30E+09	NA	NA	NA	NA	<70	<70 [<70]	<100	<210 B
Di-n-butylphthalate	µg/kg	NA	7.60E+05(C)	11,000	7.60E+05(C)	NLV	NLV	3.30E+09	NA	NA	NA	NA	<70	<70 [<70]	<100	<70
Di-n-octyl phthalate	µg/kg	NA	1.00E+08	ID	6.90E+06	NLV	NLV	3.10E+10	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Fluoranthene	µg/kg	NA	7.30E+05	5,500	4.60E+07	1.00E+09(D)	7.40E+08	9.30E+09	NA	NA	NA	NA	<40	<40 [<40]	3,700	<40
Fluorene	µg/kg	NA	3.90E+05	5,300	2.70E+07	5.80E+08	1.30E+08	9.30E+09	NA	NA	NA	NA	<40	<40 [<40]	110	<40
Hexachlorobenzene	µg/kg	NA	1,800	350	8,900	41,000	17,000	6.80E+06	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Hexachlorobutadiene	µg/kg	NA	26,000	91	1.00E+05	1.30E+05	1.30E+05	1.40E+08	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Hexachlorocyclopentadiene	µg/kg	NA	3.20E+05	ID	7.20E+05(C)	30,000	50,000	1.30E+07	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Hexachloroethane	µg/kg	NA	430	1,800(X)	2.30E+05	40,000	5.50E+05	2.30E+08	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Indeno(1,2,3-cd)pyrene	µg/kg	NA	NLL	NLL	20,000	NLV	NLV	ID	NA	NA	NA	NA	<40	<40 [<40]	690	<40
Isophorone	µg/kg	NA	15,000	26,000(X)	2.40E+06(C)	NLV	NLV	1.20E+10	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Naphthalene	µg/kg	NA	35,000	730	1.60E+07	2.50E+05	3.00E+05	2.00E+08	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Nitrobenzene	µg/kg	NA	330(M)	3,600(X)	1.00E+05	91,000	54,000	4.70E+07	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
N-Nitrosodi-n-propylamine	µg/kg	NA	330(M)	NA	1,200	NLV	NLV	1.60E+06	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
N-Nitrosodiphenylamine	µg/kg	NA	5,400	NA	1.70E+06	NLV	NLV	2.20E+09	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Pentachlorophenol	µg/kg	NA	22	17,000(G,X)	90,000	NLV	NLV	1.00E+08	NA	NA	NA	NA	<40	<40 [<40]	<70	<40
Phenanthrene	µg/kg	NA	56,000	2,100	1.60E+06	2.80E+06	1.60E+05	6.70E+06	NA	NA	NA	NA	<40	<40 [<40]	2,100	<40
Phenol	µg/kg	NA	88,000	9,000	1.20E+07(C,DD)	NLV	NLV	4.00E+10	NA	NA	NA	NA	<40	<40 [<40]	120	<40
Pyrene	µg/kg	NA	4.80E+05	ID	2.90E+07	1.00E+09(D)	6.50E+08	6.70E+09	NA	NA	NA	NA	<40	<40 [<40]	3,000	<40
PCBs																
Aroclor-1016 (PCB-1016)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	<3.0	<3.0
Aroclor-1221 (PCB-1221)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	<3.0	<3.0
Aroclor-1232 (PCB-1232)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	<3.0	<3.0
Aroclor-1242 (PCB-1242)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	<3.0	<3.0
Aroclor-1248 (PCB-1248)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	<3.0	<3.0
Aroclor-1254 (PCB-1254)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	<3.0
Aroclor-1260 (PCB-1260)	µg/kg	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	8.0	<3.0
Total PCBs	µg/kg	NA	NLL	NLL	(T)	3.00E+06	2.40E+05	5.20E+06	NA	NA	NA	NA	NA	NA	8.0	NA
Inorganics																
Antimony	mg/kg	NA	4.3	94(X)	180	NLV	NLV	13,000	<0.110 [<0.110]	<0.120	<0.120	<0.110	<0.230	<0.230 [<0.220]	0.210	<0.120
Arsenic	mg/kg	5.8	4.6	4.6	7.6	NLV	NLV	720	0.870 [1.75]	1.69	0.890	0.590	0.560	1.33 [1.47]	1.39	2.74
Barium	mg/kg	75	1,300	440(G)	37,000	NLV	NLV	3.30E+05	22.9 [18.3]	18.4	12.8	11.3	55.4	9.95 [11.7]	44.2	28.8
Beryllium	mg/kg	NA	51	85(G)	410	NLV	NLV	1,300	0.130 [0.130]	0.130	<0.120	<0.110	0.300	<0.0700 [<0.0800]	0.300	<0.120
Boron	mg/kg	NA	10	100(X)	48,000(DD)	NLV	NLV	ID	<4.52 [<4.46]	<4.62	<4.62	<4.56	<0.500	<1.61 [<1.70]	<4.62	<4.78
Cadmium	mg/kg	1.2	6	3.6(G,X)	550	NLV	NLV	1,700	<0.110 [<0.110]	<0.120	<0.120	<0.110	<0.0700	<0.0400 [<0.0500]	0.160	<0.120
Chromium Total	mg/kg	18	30	3.3	2500	--	--	--	3.43 [3.62]	4.56	2.91	1.84	4.43	2.40 [1.95]	8.94	2.47
Cobalt	mg/kg	6.8	0.8	2	2,600	NLV	NLV	13,000	2.86 [2.73]	2.92	1.79	1.73	1.88	1.16 [1.24]	2.70	2.45
Copper	mg/kg	32	5,800	580(G)	20,000	NLV	NLV	1.30E+05	3.98 [6.88]	6.88	3.82	2.93	4.69	3.40 [3.77]	11.9	6.66
Manganese	mg/kg	440	1	56(G,X)	25,000	NLV	NLV	3,300	202 [203]	204	168	150	130	131 [139]	482 (RDWP,GSIP)	196
Mercury	mg/kg	0.13	1.7	0.05(M)	160	48	52	20,000	0.0114 [0.00780]	0.00830	<0.00550	0.00930	<0.00950	<0.00530 [<0.00710]	0.0171	0.00610
Nickel	mg/kg	20	100	76(G)	40,000	NLV	NLV	13,000	7.95 [8.64]	9.43	6.85	6.80	3.61	2.60 [2.92]	9.10	7.47
Selenium	mg/kg	0.41	4	0.4	2,600	NLV	NLV	1.30E+05	0.110 [<0.140]	0.120	<0.120	0.110	<0.230	<0.230 [<0.220]	<0.120	0.170
Silver	mg/kg	1	4.5	0.1(M)	2,500	NLV	NLV	6,700	<0.110 [<0.110]	<0.120	<0.120	<0.110	<0.110	<0.110 [<0.110]	<0.120	<0.120
Thallium	mg/kg	NA	2.3	4.2(X)	35	NLV	NLV	13,000	<0.110 [<0.110]	<0.120	<0.120	<0.110	<0.0200	<0.0400 [<0.0600]	<0.120	<0.120
Vanadium	mg/kg	NA	72	190	750(DD)	NLV	NLV	ID	4.54 [5.56]	5.64	3.84	3.13	5.54	2.09 [2.25]	4.78	4.18
Lead	mg/kg	21	700	2,800(G,X)	400	NLV	NLV	1.00E+05	3.31 [3.51]	3.55	2.24	2.60	4.55	1.86 [2.24]	122	3.73
Zinc	mg/kg	47	2,400	170(G)	1.70E+05	NLV	NLV	ID	9.75 [18.4]	18.3	9.35	4.88	8.15	8.63 [11.0]	18.5	12.8
Miscellaneous																
Total Solids	%	--	--	--	--	--	--	--	89 [91]	90	89	90	91	95 [93]	89	90

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 2-6		AOI 2-7					AOI 2-8		AOI 2-11						
Location ID:		P2-SB-12	P2-SB-12	P2-SB-30	P2-SB-30	P2-MW-01	P2-MW-01	P2-MW-01	P2-SB-33	P2-SB-33	P2-SB-34	P2-SB-34	P2-SB-35	P2-SB-35	P2-MW-03	P2-MW-03	P2-MW-03
Sample Depth(ft):		2 - 3	19 - 20	3 - 4	14 - 15	0 - 2	22 - 23	32	5 - 6	9 - 10	3 - 4	9 - 10	2 - 3	9 - 10	0 - 3	21 - 22	30
Date Collected:	Units	09/07/11	09/07/11	08/26/11	08/26/11	07/20/11	07/20/11	07/20/11	08/30/11	08/30/11	08/30/11	08/30/11	08/30/11	08/30/11	07/19/11	07/19/11	07/19/11
VOCs																	
1,1,1-Trichloroethane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,1,2,2-Tetrachloroethane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,1,2-Trichloroethane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,1-Dichloroethene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,2,4-Trichlorobenzene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 J [<3.0 J]	<4.0 J	NA	NA	NA	NA	<3.0	<3.0	<3.0
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0	NA	NA	NA	NA	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,2-Dichloropropane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,3-Dichlorobenzene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,4-Dichlorobenzene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,4-Dioxane	µg/kg	NA	NA	<300	<300	<300	<300	<300	<300 [<300]	<400	NA	NA	NA	NA	<300	<300	<300
2-Butanone (Methyl Ethyl Ketone)	µg/kg	NA	NA	<690	<640	<570	<600	<640	<650 [<670]	<750	NA	NA	NA	NA	<590	<630	<640
2-Hexanone	µg/kg	NA	NA	<690	<640	<570	<600	<640	<650 [<670]	<750	NA	NA	NA	NA	<590	<630	<640
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/kg	NA	NA	<690	<640	<570	<600	<640	<650 [<670]	<750	NA	NA	NA	NA	<590	<630	<640
Acetone	µg/kg	NA	NA	<690	<640	<570	<600	<640	<650 [<670]	<750	NA	NA	NA	NA	<590	<630	<640
Bromodichloromethane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Bromoform	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Bromomethane (Methyl Bromide)	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Carbon disulfide	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Carbon tetrachloride	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Chloroform (Trichloromethane)	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Chloromethane (Methyl Chloride)	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
cis-1,3-Dichloropropene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Cyclohexane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Dibromochloromethane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Dichlorodifluoromethane (CFC-12)	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Isopropylbenzene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
m&p-Xylene	µg/kg	NA	NA	<100	<100	<100	<100	<100	<100 [<100]	<100	NA	NA	NA	NA	<100	<100	<100
Methyl acetate	µg/kg	NA	NA	<690	<640	<570	<600	<640	<650 [<670]	<750	NA	NA	NA	NA	<590	<630	<640
Methyl cyclohexane	µg/kg	NA	NA	<70	<60	90	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Methyl Tert Butyl Ether	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Styrene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Tetrachloroethene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
trans-1,3-Dichloropropene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Trichloroethene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Trichlorofluoromethane (CFC-11)	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Trifluorotrichloroethane (Freon 113)	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,1-Dichloroethane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
1,2-Dichloroethane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
cis-1,2-Dichloroethene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
trans-1,2-Dichloroethene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Benzene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Chlorobenzene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Chloroethane	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Ethylbenzene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Methylene chloride	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Toluene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
Vinyl chloride	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
o-Xylene	µg/kg	NA	NA	<70	<60	<60	<60	<60	<60 [<70]	<70	NA	NA	NA	NA	<60	<60	<60
SVOCs																	
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)																	

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 2-6		AOI 2-7					AOI 2-8		AOI 2-11						
Location ID:		P2-SB-12	P2-SB-12	P2-SB-30	P2-SB-30	P2-MW-01	P2-MW-01	P2-MW-01	P2-SB-33	P2-SB-33	P2-SB-34	P2-SB-34	P2-SB-35	P2-SB-35	P2-MW-03	P2-MW-03	P2-MW-03
Sample Depth(ft):		2 - 3	19 - 20	3 - 4	14 - 15	0 - 2	22 - 23	32	5 - 6	9 - 10	3 - 4	9 - 10	2 - 3	9 - 10	0 - 3	21 - 22	30
Date Collected:	Units	09/07/11	09/07/11	08/26/11	08/26/11	07/20/11	07/20/11	07/20/11	08/30/11	08/30/11	08/30/11	08/30/11	08/30/11	08/30/11	07/19/11	07/19/11	07/19/11
SVOCs cont.																	
4-Chlorophenyl phenyl ether	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
4-Nitroaniline	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
4-Nitrophenol	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Acenaphthene	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Acenaphthylene	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Acetophenone	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Anthracene	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Atrazine	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Benzaldehyde	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Benzo(a)anthracene	µg/kg	110	<40	<40	<40	<40	<40	<40	130 [50]	<40	<40	<40	<40	<40	<140	<40	<40
Benzo(a)pyrene	µg/kg	100	<40	<40	<40	<40	<40	<40	100 [60]	<40	<40	<40	<40	<40	<160	<40	<40
Benzo(b)fluoranthene	µg/kg	100	<40	<40	<40	<50	<40	<40	110 [60]	<40	<40	<40	<40	<40	<190	<40	<40
Benzo(g,h,i)perylene	µg/kg	40	<40	<40	<40	<40	<40	<40	<50 [40]	<40	<40	<40	<40	<40	<70	<40	<40
Benzo(k)fluoranthene	µg/kg	90	<40	<40	<40	<40	<40	<40	120 [60]	<40	<40	<40	<40	<40	<150	<40	<40
Biphenyl	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
bis(2-Chloroethoxy)methane	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
bis(2-Chloroethyl)ether	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
bis(2-Ethylhexyl)phthalate	µg/kg	<40	<40	50	<40	<40	<40	<40	<40 [<50 B]	<40	<40	<70 B	<40	<40	<40	<40	<40
Butyl benzylphthalate	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<50	<40	<40
Caprolactam	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Carbazole	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Chrysene	µg/kg	150	<70	<80	<80	<70	<70	<80	<190 [80]	<80	<90	<80	<80	<80	<210	<80	<80
Dibenz(a,h)anthracene	µg/kg	<70	<70	<80	<80	<70	<70	<80	<80 [<80]	<80	<90	<80	<80	<80	<70	<80	<80
Dibenzofuran	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Diethyl phthalate	µg/kg	<70	<70	<80	<80	<70	<70	<80	<80 [<80]	<80	<90	<80	<80	<80	<70	<80	<80
Dimethyl phthalate	µg/kg	<150 B	<210 B	<80	<80	<70	<70	<80	<170 B [<300 B]	<280 B	<90	<240 B	<220 B	<240 B	<70	<80	<80
Di-n-butylphthalate	µg/kg	<70	<70	<80	<80	<70	<70	<80	<80 [<80]	<80	<90	<80	<80	<80	<70	<80	<80
Di-n-octyl phthalate	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Fluoranthene	µg/kg	200	<40	<40	<40	<60	<40	<40	250 J [60 J]	<40	<40	<40	<40	<40	<260	<40	<40
Fluorene	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Hexachlorobenzene	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Hexachlorobutadiene	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Hexachlorocyclopentadiene	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Hexachloroethane	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Indeno(1,2,3-cd)pyrene	µg/kg	50	<40	<40	<40	<40	<40	<40	<50 [40]	<40	<40	<40	<40	<40	<60	<40	<40
Isophorone	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Naphthalene	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Nitrobenzene	µg/kg	<40 J	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
N-Nitrosodi-n-propylamine	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
N-Nitrosodiphenylamine	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Pentachlorophenol	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Phenanthrene	µg/kg	140	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<120	<40	<40
Phenol	µg/kg	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40
Pyrene	µg/kg	180	<40	<40	<40	<60	<40	<40	210 [60 J]	<40	<40	<40	<40	<40	<250	<40	<40
PCBs																	
Aroclor-1016 (PCB-1016)	µg/kg	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA
Aroclor-1221 (PCB-1221)	µg/kg	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA
Aroclor-1232 (PCB-1232)	µg/kg	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA
Aroclor-1242 (PCB-1242)	µg/kg	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA
Aroclor-1248 (PCB-1248)	µg/kg	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA
Aroclor-1254 (PCB-1254)	µg/kg	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA
Aroclor-1260 (PCB-1260)	µg/kg	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA
Total PCBs	µg/kg	NA	NA	<3.0	<3.0	NA	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA
Inorganics																	
Antimony	mg/kg	<0.120	<0.120	<0.130	<0.130	<0.110	<0.210	<0.220	<0.110 [<0.120]	<0.130	<0.130	<0.120	<0.120	<0.110	<0.230	<0.220	<0.220
Arsenic	mg/kg	0.830	3.13	0.570	0.720	1.69	1.77	3.77	1.86 [3.06]	0.490	0.820	0.770	2.90	0.320	1.80	2.31	1.24
Barium	mg/kg	29.4	32.8	36.2	21.3	28.6	19.4	30.2	44.2 [56.5]	43.7	106	73.1	69.4	19.6	33.6	34.6	30.3
Beryllium	mg/kg	0.210	0.150	0.330	0.150	<0.130	<0.140	<0.160	0.270 [0.300]	0.300	0.690	0.490	<0.120	0.210	<0.190	<0.160	<0.190
Boron	mg/kg	<4.80	<4.74	<5.12	<5.02	<1.19	<1.44	<1.74	<4.40 [<4.88]	<5.24	<5.30	<4.90	<4.82	<4.54	<0.760	<1.46	<2.03
Cadmium	mg/kg	<0.120	<0.120	0.370	<0.130	<0.130	<0.140	<0.150	0.150 [0.200]	0.160	0.290	<0.120	<0.120	0.200	<0.180	<0.0800	<0.0900
Chromium Total	mg/kg	4.18	15.8	4.27	2.61	1.48	1.79	2.81	5.36 [9.81]	5.47	9.24	8.18	2.18	3.92	4.29	3.14	5.03
Cobalt	mg/kg	2.05	4.52	1.79	2.29	1.26	2.20	3.56	4.15 [5.03]	2.44	4.53	5.65	2.36	3.31	1.73	2.54	2.67
Copper	mg/kg	37.7	14.3	11.0	5.57	5.09	8.68	9.87	8.94 [14.0]	13.8	17.7	9.85	2.78	9.95	13.4	9.06	10.0
Manganese	mg/kg	161	212	50.1	245	120	253	258	182 [416]	44.1	109	121	808 [RDWP,GSIP]	231	155	242	237
Mercury	mg/kg	0.0139	0.0142	0.0320	0.00940	<0.0137	<0.00760	<0.0102	0.0193 [0.0215]	0.0234	0.0536	0.0221	0.00830	0.00890	<0.0250	<0.00970	<0.00910
Nickel	mg/kg	4.62	10.7	3.56	7.63	2.96	5.47	8.86	8.99 [13.3]	17.9	10.8	11.1	3.95	8.98	10.4	5.88	6.37
Selenium	mg/kg	<0.120	0.240	0.400	0.220												

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 2-12		AOI 2-14				AOI 2-15						AOI 2-23		
Location ID:		P2-SB-31	P2-SB-31	P2-SB-29	P2-SB-29	P2-SB-32	P2-SB-32	P2-B-2	P2-B-2	P2-B-7	P2-B-7	P2-B-7	P2-MW-04	P2-MW-04	P2-SB-36	P2-SB-36
Sample Depth(ft):		1 - 2	9 - 10	1 - 2	4 - 5	2 - 3	9 - 10	1 - 2	19 - 20	2 - 3	12 - 13	19 - 20	1 - 3	27	5 - 6	19 - 20
Date Collected:	Units	08/30/11	08/30/11	08/31/11	08/31/11	08/30/11	08/30/11	09/08/11	09/08/11	09/08/11	09/08/11	09/08/11	07/21/11	07/21/11	08/30/11	08/30/11
VOCs																
1,1,1-Trichloroethane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,1,2,2-Tetrachloroethane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,1,2-Trichloroethane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,1-Dichloroethene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,2,4-Trichlorobenzene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	<4.0 J	<3.0 J	NA	NA	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0 J	<3.0
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	<1.0	<1.0	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
1,2-Dichlorobenzene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,2-Dichloropropane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,3-Dichlorobenzene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,4-Dichlorobenzene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,4-Dioxane	µg/kg	<400	<300	NA	NA	NA	NA	<300	<300	<300	<300	<300	<300	<300	<400	<300
2-Butanone (Methyl Ethyl Ketone)	µg/kg	<710	<660	NA	NA	NA	NA	<690	<620	<670	<610	<640	<510	<700	<750	<610
2-Hexanone	µg/kg	<710	<660	NA	NA	NA	NA	<690	<620	<670	<610	<640	<510	<700	<750	<610
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/kg	<710	<660	NA	NA	NA	NA	<690	<620	<670	<610	<640	<510	<700	<750	<610
Acetone	µg/kg	<710	<660	NA	NA	NA	NA	<690	<620	<670	<610	<640	<510	<700	<750	<610
Bromodichloromethane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Bromoform	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Bromomethane (Methyl Bromide)	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Carbon disulfide	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Carbon tetrachloride	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Chloroform (Trichloromethane)	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Chloromethane (Methyl Chloride)	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
cis-1,3-Dichloropropene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Cyclohexane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Dibromochloromethane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Dichlorodifluoromethane (CFC-12)	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Isopropylbenzene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
m&p-Xylene	µg/kg	<100	<100	NA	NA	NA	NA	<100	<100	<100	<100	<100	<100	<100	<200	<100
Methyl acetate	µg/kg	<710	<660	NA	NA	NA	NA	<690	<620	<670	<610	<640	<510	<700	<750	<610
Methyl cyclohexane	µg/kg	<70	<70	NA	NA	NA	NA	320	<60	<70	<60	<60	<50	<70	<80	<60
Methyl Tert Butyl Ether	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Styrene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Tetrachloroethene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
trans-1,3-Dichloropropene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Trichloroethene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Trichlorofluoromethane (CFC-11)	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Trifluorotrichloroethane (Freon 113)	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,1-Dichloroethane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
1,2-Dichloroethane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
cis-1,2-Dichloroethene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
trans-1,2-Dichloroethene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Benzene	µg/kg	<70	<70	NA	NA	NA	NA	120 (RDWP)	<60	<70	<60	<60	<50	<70	<80	<60
Chlorobenzene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Chloroethane	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Ethylbenzene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Methylene chloride	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Toluene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
Vinyl chloride	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
o-Xylene	µg/kg	<70	<70	NA	NA	NA	NA	<70	<60	<70	<60	<60	<50	<70	<80	<60
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<40	<100	<40	<40	<40	<40
2,4,5-Trichlorophenol	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
2,4,6-Trichlorophenol	µg/kg	<40	<40	<100	<900 J	<										

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 2-12		AOI 2-14				AOI 2-15						AOI 2-23		
Location ID:		P2-SB-31	P2-SB-31	P2-SB-29	P2-SB-29	P2-SB-32	P2-SB-32	P2-B-2	P2-B-2	P2-B-7	P2-B-7	P2-B-7	P2-MW-04	P2-MW-04	P2-SB-36	P2-SB-36
Sample Depth(ft):		1 - 2	9 - 10	1 - 2	4 - 5	2 - 3	9 - 10	1 - 2	19 - 20	2 - 3	12 - 13	19 - 20	1 - 3	27	5 - 6	19 - 20
Date Collected:	Units	08/30/11	08/30/11	08/31/11	08/31/11	08/30/11	08/30/11	09/08/11	09/08/11	09/08/11	09/08/11	09/08/11	07/21/11	07/21/11	08/30/11	08/30/11
SVOCs cont.																
4-Chlorophenyl phenyl ether	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
4-Nitroaniline	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
4-Nitrophenol	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Acenaphthene	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	5,100	<40	<40	<40
Acenaphthylene	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Acetophenone	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Anthracene	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	6,700	<40	<40	<40
Atrazine	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Benzaldehyde	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Benzo(a)anthracene	µg/kg	50	<40	<100	<900 J	<40	<30	<200	<40	<40	600	<40	11,000	<40	<40	<40
Benzo(a)pyrene	µg/kg	50	<40	<100	<900 J	<40	<30	<200	<40	<40	500	<40	9,400 (RDC)	<40	<40	<40
Benzo(b)fluoranthene	µg/kg	60	<40	<100	<900 J	<40	<30	<200	<40	<40	500	<40	10,000	<40	<40	<40
Benzo(g,h,i)perylene	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	2,400	<40	<40	<40
Benzo(k)fluoranthene	µg/kg	50	<40	<100	<900 J	<40	<30	<200	<40	<40	500	<40	9,300	<40	<40	<40
Biphenyl	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	600	<40	<40	<40
bis(2-Chloroethoxy)methane	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
bis(2-Chloroethyl)ether	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
bis(2-Ethylhexyl)phthalate	µg/kg	120	<40 B	200	<900 J	<40 B	<80 B	<200	<40	<40	<100	<40	<300	<40	<60 B	<40
Butyl benzylphthalate	µg/kg	50	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Caprolactam	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Carbazole	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	4,500 (GSIP)	<40	<40	<40
Chrysene	µg/kg	<80	<80	<200	1,500 J	<70	<70	<300	<70	<70	800	<80	13,000	<80	<80	<70
Dibenz(a,h)anthracene	µg/kg	<80	<80	<200	<900 J	<70	<70	<300	<70	<70	<300	<80	<500	<80	<80	<70
Dibenzofuran	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	4,900 (GSIP)	<40	<40	<40
Diethyl phthalate	µg/kg	<80	<80	<200	<900 J	<70	<70	<300	<70	<70	<300	<80	<500	<80	<80	<70
Dimethyl phthalate	µg/kg	<200 B	<290 B	<200 J	<900 J	<280 B	<160 B	<300	<130 B	<240 B	<300	<170 B	<500	<80	<360 B	<210 B
Di-n-butylphthalate	µg/kg	<80	<80	<200	<900 J	<70	<70	<300	<70	<70	<300	<80	<500	<80	<80	<70
Di-n-octyl phthalate	µg/kg	50	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Fluoranthene	µg/kg	50	<40	<100	<900 J	<40	<30	<200	<40	<40	1,500	<40	24,000 (GSIP)	<40	<40	<40
Fluorene	µg/kg	<40	<40	<100	<900 J	<40	<30	700	<40	<40	<100	<40	6,100 (GSIP)	<40	<40	<40
Hexachlorobenzene	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Hexachlorobutadiene	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Hexachlorocyclopentadiene	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Hexachloroethane	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Indeno(1,2,3-cd)pyrene	µg/kg	40	<40	<100	<900 J	<40	<30	<200	<40	<40	200	<40	2,700	<40	<40	<40
Isophorone	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Naphthalene	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	2,000 (GSIP)	<40	<40	<40
Nitrobenzene	µg/kg	<40	<40	<100 J	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
N-Nitrosodi-n-propylamine	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
N-Nitrosodiphenylamine	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Pentachlorophenol	µg/kg	<40	<40	<100	<900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Phenanthrene	µg/kg	<40	<40	<100	2,200 J (GSIP)	<40	<30	600	<40	<40	<100	<40	28,000 (GSIP)	<40	<40	<40
Phenol	µg/kg	<40	<40	<100	900 J	<40	<30	<200	<40	<40	<100	<40	<300	<40	<40	<40
Pyrene	µg/kg	50	<40	<100	2,000 J	<40	<30	<200	<40	<40	1,400	<40	20,000	<40	<40	<40
PCBs																
Aroclor-1016 (PCB-1016)	µg/kg	<3.0	<3.0	NA	NA	NA	NA	<3.0	<3.0	<3.0	<6.0	<3.0	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	µg/kg	<3.0	<3.0	NA	NA	NA	NA	<3.0	<3.0	<3.0	<6.0	<3.0	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	µg/kg	<3.0	<3.0	NA	NA	NA	NA	<3.0	<3.0	<3.0	<6.0</					

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

AOI 2-52				AOI ID 2-26				AOI ID 2-27		AOI ID 2-31; ID 2-32; ID 2-33; ID 2-34; ID 2-35; ID 2-49					AOI ID 2-36	
Location ID: Sample Depth(ft): Date Collected:		P2-SB-37 1 - 2 08/31/11	P2-SB-37 9 - 10 08/31/11	P2-SB-13 2 - 3 08/31/11	P2-SB-13 14 - 15 08/31/11	P2-SB-14 9 - 10 08/31/11	P2-SB-14 14 - 15 08/31/11	P2-SB-22 4 - 5 08/30/11	P2-SB-22 9 - 10 08/30/11	P2-SB-18 4 - 5 08/29/11	P2-SB-18 19 - 20 08/29/11	P2-SB-21 4 - 5 08/29/11	P2-SB-21 9 - 10 08/29/11	P2-SB-21 19 - 20 08/29/11	P2-SB-24 5.5 - 6.5 08/31/11	P2-SB-24 19 - 20 08/31/11
VOCs																
1,1,1-Trichloroethane	µg/kg	<60	110	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	12,000 D (RDWP,GSIP)	<60
1,1,2,2-Tetrachloroethane	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
1,1,2-Trichloroethane	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
1,1-Dichloroethene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	250 J (RDWP,RSVIA)	<60
1,2,4-Trichlorobenzene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	70 J	<60
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	<3.0	<4.0	<3.0 [<3.0]	<3.0	<4.0	<3.0	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<7.0 J	<4.0 J	<3.0 J	<60 J	<3.0
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	<1.0	<1.0	<1.0 [<1.0]	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<3.0 J	<3.0	<1.0	<2.0 J	<1.0 J	<1.0
1,2-Dichlorobenzene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
1,2-Dichloropropane	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
1,3-Dichlorobenzene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
1,4-Dichlorobenzene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
1,4-Dioxane	µg/kg	<300	<400	<300 [<300]	<300	<400	<300	<300	<300	<300	<300	<700	<400	<300	<300 J	400
2-Butanone (Methyl Ethyl Ketone)	µg/kg	<630	<720	<630 [<630]	<600	<820	<630	<670	<690	<610	<600	<1,300	<700	<630	<580 J	<620
2-Hexanone	µg/kg	<630	<720	<630 [<630]	<600	<820	<630	<670	<690	<610	<600	<1,300	<700	<630	<580 J	<620
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/kg	<630	<720	<630 [<630]	<600	<820	<630	<670	<690	<610	<600	<1,300	<700	<630	<580 J	<620
Acetone	µg/kg	<630	<720	<630 [<630]	<600	<820	<630	<670	<690	<610	<600	<1,300	<700	<630	<580 J	<620
Bromodichloromethane	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Bromoform	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Bromomethane (Methyl Bromide)	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Carbon disulfide	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Carbon tetrachloride	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Chloroform (Trichloromethane)	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Chloromethane (Methyl Chloride)	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
cis-1,3-Dichloropropene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Cyclohexane	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Dibromochloromethane	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Dichlorodifluoromethane (CFC-12)	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Isopropylbenzene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
m&p-Xylene	µg/kg	<100	<100	<100 [<100]	<100	<200	<100	<100	<100	<100	<100	<300	<100	<100	<100 J	<100
Methyl acetate	µg/kg	<630	<720	<630 [<630]	<600	<820	<630	<670	<690	<610	<600	<1,300	<700	<630	<580 J	<620
Methyl cyclohexane	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Methyl Tert Butyl Ether	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Styrene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Tetrachloroethene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	430 J (RDWP)	<60
trans-1,3-Dichloropropene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Trichloroethene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	190 J (RDWP)	<60
Trichlorofluoromethane (CFC-11)	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Trifluorotrichloroethane (Freon 113)	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
1,1-Dichloroethane	µg/kg	<60	150	<60 [<60]	200	<80	<60	<70	<70	<60	<60	<100	<70	<60	6,800 J	<60
1,2-Dichloroethane	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
cis-1,2-Dichloroethene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
trans-1,2-Dichloroethene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Benzene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Chlorobenzene	µg/kg	<60	<70	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	<60 J	<60
Chloroethane	µg/kg	<60	770	<60 [<60]	<60	<80	<60	<70	<70	<60	<60	<100	<70	<60	890 J	<60
Ethylbenzene	µg/kg	<60	<70	<60 [<60]	<60	<80	<									

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 2-52		AOI ID 2-26				AOI ID 2-27		AOI ID 2-31; ID 2-32; ID 2-33; ID 2-34; ID 2-35; ID 2-49					AOI ID 2-36	
Location ID:		P2-SB-37	P2-SB-37	P2-SB-13	P2-SB-13	P2-SB-14	P2-SB-14	P2-SB-22	P2-SB-22	P2-SB-18	P2-SB-18	P2-SB-21	P2-SB-21	P2-SB-21	P2-SB-24	P2-SB-24
Sample Depth(ft):		1 - 2	9 - 10	2 - 3	14 - 15	9 - 10	14 - 15	4 - 5	9 - 10	4 - 5	19 - 20	4 - 5	9 - 10	19 - 20	5.5 - 6.5	19 - 20
Date Collected:	Units	08/31/11	08/31/11	08/31/11	08/31/11	08/31/11	08/31/11	08/30/11	08/30/11	08/29/11	08/29/11	08/29/11	08/29/11	08/29/11	08/31/11	08/31/11
SVOCs cont.																
4-Chlorophenyl phenyl ether	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
4-Nitroaniline	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
4-Nitrophenol	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Acenaphthene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Acenaphthylene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Acetophenone	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
Anthracene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	2,000 J	<40
Atrazine	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
Benzaldehyde	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Benzo(a)anthracene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Benzo(a)pyrene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Benzo(b)fluoranthene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Benzo(g,h,i)perylene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Benzo(k)fluoranthene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Biphenyl	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
bis(2-Chloroethoxy)methane	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
bis(2-Chloroethyl)ether	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
bis(2-Ethylhexyl)phthalate	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	50	NA	NA	70	60	<50 B	<50 B	90	<2,000 J	<40 J
Butyl benzylphthalate	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
Caprolactam	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Carbazole	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Chrysene	µg/kg	<80	<200	<70 [<70]	<70	800 J	<80	NA	NA	<70	<70	<80	<80	<70	<2,000 J	<70
Dibenz(a,h)anthracene	µg/kg	<80	<200	<70 [<70]	<70	<800 J	<80	NA	NA	<70	<70	<80	<80	<70	<2,000 J	<70
Dibenzofuran	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
Diethyl phthalate	µg/kg	<80 J	<400 J	<70 J [<70 J]	<70 J	<800 J	<80	NA	NA	<70	<70	<80	<80	<70	<4,000 J	110 J
Dimethyl phthalate	µg/kg	<190 B	<200	<70 J<150 B]	<150 B	<800 J	<180 B	NA	NA	<70	<70	<80	<80	<70	<2,000 J	<90 B
Di-n-butylphthalate	µg/kg	<80 J	<200 J	<70 J [<70 J]	<70 J	<800 J	<80	NA	NA	<70	<70	<80	<80	<70	<2,000 J	<70 J
Di-n-octyl phthalate	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
Fluoranthene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Fluorene	µg/kg	70	300	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	8,000 J (GSIP)	<40
Hexachlorobenzene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Hexachlorobutadiene	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
Hexachlorocyclopentadiene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Hexachloroethane	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
Indeno(1,2,3-cd)pyrene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Isophorone	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
Naphthalene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Nitrobenzene	µg/kg	<40 J	<200 J	<40 J [<40 J]	<40 J	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40 J
N-Nitrosodi-n-propylamine	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
N-Nitrosodiphenylamine	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Pentachlorophenol	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Phenanthrene	µg/kg	110	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	12,000 J (GSIP)	<40
Phenol	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	<2,000 J	<40
Pyrene	µg/kg	<40	<200	<40 [<40]	<40	<400 J	<40	NA	NA	<40	<40	<40	<40	<40	3,000 J	<40
PCBs																
Aroclor-1016 (PCB-1016)	µg/kg	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<1,500 J	<3.0
Aroclor-1221 (PCB-1221)	µg/kg	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<1,500 J	<3.0
Aroclor-1232 (PCB-1232)	µg/kg	NA	NA	<3.0 [<3.0]	<3.0	<3.0	<3.0	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<1,500 J	<3.0
Aroclor-1242																

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI ID 2-37				AOI ID 2-38		AOI ID 2-39						AOI ID 2-55		AOI ID 2-59			
Location ID:		P2-SB-23	P2-SB-23	P2-SB-26	P2-SB-26	P2-SB-17	P2-SB-17	P2-SB-03	P2-SB-03	P2-SB-04	P2-SB-04	P2-SB-05	P2-SB-05	P2-SB-16	P2-SB-16	P2-SB-15	P2-SB-15	P2-SB-25	P2-SB-25
Sample Depth(ft):		3 - 4	19 - 20	5 - 6	19 - 20	4 - 5	9 - 10	5.5 - 6.5	14.5 - 15.5	4 - 5	18 - 19	5 - 6	19 - 20	2 - 3	9 - 10	4 - 5	9 - 10	4 - 5	9 - 10
Date Collected:	Units	08/29/11	08/29/11	08/29/11	08/29/11	08/26/11	08/26/11	09/08/11	09/08/11	09/08/11	09/08/11	09/08/11	09/08/11	09/07/11	09/07/11	09/07/11	09/07/11	09/07/11	09/07/11
VOCs																			
1,1,1-Trichloroethane	µg/kg	<60	<60	<60 [<70]	<60	510	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	150	560	<60
1,1,2,2-Tetrachloroethane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,1,2-Trichloroethane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,1-Dichloroethene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,2,4-Trichlorobenzene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	<3.0 J	<3.0 J	<3.0 J [<3.0 J]	<3.0 J	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	NA	NA	<3.0	<3.0	<3.0	<3.0
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	<1.0	<4.0 J	<1.0 [<1.0]	<3.0 J	<1.0	<3.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,2-Dichloropropane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,3-Dichlorobenzene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,4-Dichlorobenzene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,4-Dioxane	µg/kg	<300	<300	<300 [<300]	<300	<300	<300	<300	<300	<300	<300	<400	<300	NA	NA	<300	<300	<300	400
2-Butanone (Methyl Ethyl Ketone)	µg/kg	<630	<610	<620 [<650]	<630	<640	<620	<620	<630	<680	<680	<720	<680	NA	NA	<630	<600	<620	<600
2-Hexanone	µg/kg	<630	<610	<620 [<650]	<630	<640	<620	<620	<630	<680	<680	<720	<680	NA	NA	<630	<600	<620	<600
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/kg	<630	<610	<620 [<650]	<630	<640	<620	<620	<630	<680	<680	<720	<680	NA	NA	<630	<600	<620	<600
Acetone	µg/kg	<630	<610	<620 [<650]	<630	<640	<620	<620	<630	<680	<680	<720	<680	NA	NA	<630	<600	<620	<600
Bromodichloromethane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Bromoform	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Bromomethane (Methyl Bromide)	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Carbon disulfide	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Carbon tetrachloride	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Chloroform (Trichloromethane)	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Chloromethane (Methyl Chloride)	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
cis-1,3-Dichloropropene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Cyclohexane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Dibromochloromethane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Dichlorodifluoromethane (CFC-12)	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Isopropylbenzene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
m&p-Xylene	µg/kg	<100	<100	<100 [<100]	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	NA	<100	<100	<100	<100
Methyl acetate	µg/kg	<630	<610	<620 [<650]	<630	<640	<620	<620	<630	<680	<680	<720	<680	NA	NA	<630	<600	<620	<600
Methyl cyclohexane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Methyl Tert Butyl Ether	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Styrene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Tetrachloroethene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	150 (RDWP)	<60	<60
trans-1,3-Dichloropropene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Trichloroethene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Trichlorofluoromethane (CFC-11)	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Trifluorotrchloroethane (Freon 113)	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
1,1-Dichloroethane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	350	620	<60
1,2-Dichloroethane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
cis-1,2-Dichloroethene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	210	<70	<70	<70	NA	NA	<60	<60	<60	<60
trans-1,2-Dichloroethene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Benzene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Chlorobenzene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Chloroethane	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Ethylbenzene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Methylene chloride	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Toluene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
Vinyl chloride	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
o-Xylene	µg/kg	<60	<60	<60 [<70]	<60	<60	<60	<60	<60	<70	<70	<70	<70	NA	NA	<60	<60	<60	<60
SVOCs																			
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/kg	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
2,4,5-Trichlorophenol	µg/kg	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
2,4,6-Trichlorophenol	µg/kg	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	60	<40
2,4-Dichlorophenol	µg/kg	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
2,4-Dimethylphenol	µg/kg	8,400 D (RDWP,GSIP)	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
2,4-Dinitrophenol	µg/kg	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
2,4-Dinitrotoluene	µg/kg	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
2,6-Dinitrotoluene	µg/kg	<40	<40	<40 [<40]	<40	<40	<40	<4											

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI ID 2-37				AOI ID 2-38		AOI ID 2-39						AOI ID 2-55		AOI ID 2-59			
Location ID:		P2-SB-23	P2-SB-23	P2-SB-26	P2-SB-26	P2-SB-17	P2-SB-17	P2-SB-03	P2-SB-03	P2-SB-04	P2-SB-04	P2-SB-05	P2-SB-05	P2-SB-16	P2-SB-16	P2-SB-15	P2-SB-15	P2-SB-25	P2-SB-25
Sample Depth(ft):		3 - 4	19 - 20	5 - 6	19 - 20	4 - 5	9 - 10	5.5 - 6.5	14.5 - 15.5	4 - 5	18 - 19	5 - 6	19 - 20	2 - 3	9 - 10	4 - 5	9 - 10	4 - 5	9 - 10
Date Collected:	Units	08/29/11	08/29/11	08/29/11	08/29/11	08/26/11	08/26/11	09/08/11	09/08/11	09/08/11	09/08/11	09/08/11	09/08/11	09/07/11	09/07/11	09/07/11	09/07/11	09/07/11	09/07/11
SVOCs cont.																			
4-Chlorophenyl phenyl ether	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
4-Nitroaniline	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
4-Nitrophenol	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Acenaphthene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	100	<40
Acenaphthylene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Acetophenone	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
Anthracene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	270	<40
Atrazine	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Benzaldehyde	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Benzo(a)anthracene	µg/kg	80	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	150 J	<40
Benzo(a)pyrene	µg/kg	80	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<300	<40
Benzo(b)fluoranthene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<300	<40
Benzo(g,h,i)perylene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<300	<40
Benzo(k)fluoranthene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<300	<40
Biphenyl	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	50 J	<40 J
bis(2-Chloroethoxy)methane	µg/kg	350	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
bis(2-Chloroethyl)ether	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
bis(2-Ethylhexyl)phthalate	µg/kg	220	60	60 [70]	60	<40	60	<40	<40	<40	<40	<40	<40	NA	NA	<40	110	<40 J	<40
Butyl benzylphthalate	µg/kg	190	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	40 J	<40
Caprolactam	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Carbazole	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Chrysene	µg/kg	110	<70	<70 [<u><70</u>]	<70	<70	<70	<70	<80	<80	<80	<80	<80	NA	NA	<80	<70	400 J	<70
Dibenz(a,h)anthracene	µg/kg	<80	<70	<70 [<u><70</u>]	<70	<70	<70	<70	<80	<80	<80	<80	<80	NA	NA	<80	<70	<300	<70
Dibenzofuran	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	70	<40
Diethyl phthalate	µg/kg	<80	<70	<70 [<u><70</u>]	<70	<70	<70	<70	<80	<80	<80	<80	<80	NA	NA	<80	<70	<70	<70
Dimethyl phthalate	µg/kg	100	<70	<70 [<u><70</u>]	<70	<70	<70	<170 B	<160 B	<180 B	<130 B	<150 B	<200 B	NA	NA	<110 B	<130 B	<160 B	<190 B
Di-n-butylphthalate	µg/kg	<80	<70	<70 [<u><70</u>]	<70	<70	<70	<70	<80	<80	<80	<80	<80	NA	NA	<80	<70	<70	<70
Di-n-octyl phthalate	µg/kg	720	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<300	<40 J
Fluoranthene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	450	<40
Fluorene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	2,000	<40
Hexachlorobenzene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Hexachlorobutadiene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
Hexachlorocyclopentadiene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Hexachloroethane	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
Indeno(1,2,3-cd)pyrene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<300	<40
Isophorone	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
Naphthalene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	70	<40
Nitrobenzene	µg/kg	80	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40 J	<40 J	<40 J	<40 J
N-Nitrosodi-n-propylamine	µg/kg	670 (RDWP)	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
N-Nitrosodiphenylamine	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Pentachlorophenol	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Phenanthrene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	2,300 (GSIP)	<40
Phenol	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	<40	<40
Pyrene	µg/kg	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	NA	<40	<40	590 J	<40
PCBs																			
Aroclor-1016 (PCB-1016)	µg/kg	<20 J	<3.0	<3.0 [<u><3.0</u>]	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0 [<u><3.0</u>]	<3.0	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	µg/kg	<20 J	<3.0	<3.0 [<u><3.0</u>]	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0 [<u><3.0</u>]	<3.0	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	µg/kg	<20 J	<3.0	<3.0 [<u><3.0</u>]	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0 [<u><3.0</u>]	<3.0	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	µg/kg	<20 J	<3.0	<3.0 [<u><3.0</u>]	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0 [<u><3.0</u>]	<3.0	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	µg/kg	<20 J	<3.0	<3.0 [<u><3.0</u>]	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0 [<u><3.0</u>]	<3.0	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	µg/kg	130 J	<3.0	<3.0 [<u><3.0</u>]	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0 [<u><3.0</u>]	<3.0	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	µg/kg	<20 J	<3.0	<3.0 [<u><3.0</u>]	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0 [<u><3.0</u>]	<3.0	NA	NA	NA	NA
Total PCBs	µg/kg	130 J	<3.0	<3.0 [<u><3.0</u>]	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																			
Antimony	mg/kg	<0.120	<0.120	<0.120 [<u><0.110</u>]	<0.120	<0.120	<0.120	NA	NA	NA	NA	NA	NA	NA	NA	<0.120	<0.120	<0.120	<0.110
Arsenic	mg/kg	0.310	2.23	1.57 [1.84]	2.43	1.31	0.710	NA	NA	NA	NA	NA	NA	NA	NA	0.740	1.37	0.740	0.440
Barium	mg/kg	22.3	37.4	29.6 [30.0]	38.1	16.8	29.5	NA	NA	NA	NA	NA	NA	NA	NA	45.5	25.5	36.7	21.1
Beryllium	mg/kg	0.160	0.200	0.200 [0.190]	0.190	0.150	0.150	NA	NA	NA	NA	NA	NA	NA	NA	0.190	<0.120	0.130	0.130
Boron	mg/kg	<5.00	<4.60	<4.60 [<u><4.42</u>]	<4.96	<4.94	<4.72	NA	NA	NA	NA	NA	NA	NA	NA	<4.94	<4.64	<4.62	<4.54
Cadmium	mg/kg	<0.120	<0.120	<0.120 [<u><0.110</u>]	<0.120	<0.120	<0.120	NA	NA	NA	NA	NA	NA	NA	NA	0.130	<0.120	<0.120	<0.110

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		Miscellaneous Gap Fillers															
Location ID:		P2-SB-01	P2-SB-01	P2-SB-02	P2-SB-02	P2-SB-06	P2-SB-06	P2-SB-07	P2-SB-07	P2-SB-08	P2-SB-08	P2-SB-09	P2-SB-09	P2-SB-09	P2-SB-10	P2-SB-10	
Sample Depth(ft):		2 - 3	29 - 30	5 - 6	29 - 30	5 - 6	23 - 24	5 - 6	29 - 30	5 - 6	29 - 30	5 - 6	22 - 23	29 - 30	4 - 5	29 - 30	
Date Collected:	Units	09/06/11	09/06/11	09/06/11	09/07/11	09/01/11	09/01/11	09/01/11	09/01/11	09/01/11	09/01/11	08/31/11	08/31/11	08/31/11	09/01/11	09/01/11	
VOCs																	
1,1,1-Trichloroethane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	80	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60
1,1,2,2-Tetrachloroethane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,1,2-Trichloroethane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,1-Dichloroethene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,2,4-Trichlorobenzene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	<3.0	<4.0	<3.0	<3.0 [<u><3.0</u>]	<3.0	<500 J	<70 J	<3.0	<3.0	<60 J	<3.0	<4.0	<4.0	<3.0 [<u><3.0</u>]	<3.0	
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	<1.0	<1.0	<1.0	<1.0 [<u><1.0</u>]	<1.0	<2.0	<1.0	<1.0	<1.0 J	<1.0 J	<1.0	<1.0	<2.0	<1.0 [<u><1.0</u>]	<1.0	
1,2-Dichlorobenzene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,2-Dichloropropane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,3-Dichlorobenzene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,4-Dichlorobenzene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,4-Dioxane	µg/kg	<300	<400	<300	<300 [<u><300</u>]	<300	<400	<300	<300	<300	<300	<300	<400	<400	<300 [<u><300</u>]	<300	
2-Butanone (Methyl Ethyl Ketone)	µg/kg	<690	<740	<630	<660 [<u><690</u>]	<660	<880	<650	<620	<590	<660	<670	<710	<760	<620 [<u><620</u>]	<620	
2-Hexanone	µg/kg	<690	<740	<630	<660 [<u><690</u>]	<660	<880	<650	<620	<590	<660	<670	<710	<760	<620 [<u><620</u>]	<620	
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/kg	<690	<740	<630	<660 [<u><690</u>]	<660	<880	<650	<620	<590	<660	<670	<710	<760	<620 [<u><620</u>]	<620	
Acetone	µg/kg	<690	<740	<630	<660 [<u><690</u>]	<660	<880	<650	<620	<590	<660	<670	<710	<760	<620 [<u><620</u>]	<620	
Bromodichloromethane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Bromoform	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Bromomethane (Methyl Bromide)	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Carbon disulfide	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Carbon tetrachloride	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Chloroform (Trichloromethane)	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Chloromethane (Methyl Chloride)	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
cis-1,3-Dichloropropene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Cyclohexane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Dibromochloromethane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Dichlorodifluoromethane (CFC-12)	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Isopropylbenzene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	140	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
m&p-Xylene	µg/kg	<100	<100	<100	<100 [<u><100</u>]	<100	<200	<100	<100	400	<100	<100	<100	<200	<100 [<u><100</u>]	<100	
Methyl acetate	µg/kg	<690	<740	<630	<660 [<u><690</u>]	<660	<880	<650	<620	<590	<660	<670	<710	<760	<620 [<u><620</u>]	<620	
Methyl cyclohexane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	620	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Methyl Tert Butyl Ether	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Styrene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Tetrachloroethene	µg/kg	<70	<70	660 (RDWP)	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
trans-1,3-Dichloropropene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Trichloroethene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Trichlorofluoromethane (CFC-11)	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Trifluorotrichloroethane (Freon 113)	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,1-Dichloroethane	µg/kg	<70	<70	270	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
1,2-Dichloroethane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
cis-1,2-Dichloroethene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
trans-1,2-Dichloroethene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Benzene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Chlorobenzene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Chloroethane	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Ethylbenzene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Methylene chloride	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Toluene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
Vinyl chloride	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	<60	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
o-Xylene	µg/kg	<70	<70	<60	<70 [<u><70</u>]	<70	<90	<60	<60	130	<70	<70	<70	<80	<60 [<u><60</u>]	<60	
SVOCs																	
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/kg	<40 J	<40 J	<40 J	<40 J [<u><40 J</u>]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<u><40 J</u>]	<40 J	
2,4,5-Trichlorophenol	µg/kg	<40	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 [<u><40</u>]	<40	
2,4,6-Trichlorophenol	µg/kg	<40	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<u><40</u>]	<40	
2,4-Dichlorophenol	µg/kg	<40 J	<40 J	<40 J	<40 J [<u><40 J</u>]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<u><40 J</u>]	<40 J	
2,4-Dimethylphenol	µg/kg	<40 J	<40 J	130 J	<40 J [<u><40 J</u>]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<u><40 J</u>]	<40 J	
2,4-Dinitrophenol	µg/kg	<40	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<u><40</u>]	<40	
2,4-Dinitrotoluene	µg/kg	<40	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<u><40</u>]	<40	
2,6-Dinitrotoluene	µg/kg	<40	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 [<u><40</u>]	<40	
2-Chloronaphthalene	µg/kg	<40 J	<40 J	<40 J	<40 J [<u><40 J</u>]	<40	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<u><40 J</u>]	<40 J	
2-Chlorophenol	µg/kg	<40	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<u><40</u>]	<40	
2-Methylnaphthalene	µg/kg	<40	<40	570	<40 [<u><40</u>]	210	<40	<40	<40	220	<40	<40	<40	<40	<40 [<u><40</u>]	<40	
2-Methylphenol	µg/kg	<40	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<u><40</u>]	<40	
2-Nitroaniline	µg/kg	<40	<40	<40	<40 [<u><40</u>]	<40	<40	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 [<u><40</u>]	<40	
2-Nitrophenol	µg/kg	<40 J	<40 J	<40 J	<40 J [<u><4</u>												

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		Miscellaneous Gap Fillers														
Location ID:		P2-SB-01	P2-SB-01	P2-SB-02	P2-SB-02	P2-SB-06	P2-SB-06	P2-SB-07	P2-SB-07	P2-SB-08	P2-SB-08	P2-SB-09	P2-SB-09	P2-SB-09	P2-SB-10	P2-SB-10
Sample Depth(ft):		2 - 3	29 - 30	5 - 6	29 - 30	5 - 6	23 - 24	5 - 6	29 - 30	5 - 6	29 - 30	5 - 6	22 - 23	29 - 30	4 - 5	29 - 30
Date Collected:	Units	09/06/11	09/06/11	09/06/11	09/07/11	09/01/11	09/01/11	09/01/11	09/01/11	09/01/11	09/01/11	08/31/11	08/31/11	08/31/11	09/01/11	09/01/11
SVOCs cont.																
4-Chlorophenyl phenyl ether	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 [<40]	<40
4-Nitroaniline	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
4-Nitrophenol	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Acenaphthene	µg/kg	<40	<40	830	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Acenaphthylene	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Acetophenone	µg/kg	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
Anthracene	µg/kg	<40	<40	750	<40 [<40]	70	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Atrazine	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 [<40]	<40
Benzaldehyde	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Benzo(a)anthracene	µg/kg	<40	<40	540 J	<40 [<40]	<200	<40	<40	<40	70 J	<40	<40	<40	<40	<40 [<40]	<40
Benzo(a)pyrene	µg/kg	<40	<40	<600	<40 [<40]	<200 J	<40	<40	<40	<200	<40	<40	<40	<40	<40 [<40]	<40
Benzo(b)fluoranthene	µg/kg	<40	<40	<600	<40 [<40]	<200 J	<40	<40	<40	<200	<40	<40	<40	<40	<40 [<40]	<40
Benzo(g,h,i)perylene	µg/kg	<40	<40	<600	<40 [<40]	<200 J	<40	<40	<40	<200	<40	<40	<40	<40	<40 [<40]	<40
Benzo(k)fluoranthene	µg/kg	<40	<40	<600	<40 [<40]	<200 J	<40	<40	<40	<200	<40	<40	<40	<40	<40 [<40]	<40
Biphenyl	µg/kg	<40 J	<40 J	250 J	<40 J [<40 J]	<40 J	<40 J	<40 J	<40 J	40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
bis(2-Chloroethoxy)methane	µg/kg	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
bis(2-Chloroethyl)ether	µg/kg	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40 J	<40 J	<40	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
bis(2-Ethylhexyl)phthalate	µg/kg	<40	<40	<600	<40 [<40]	<200	<40	50	<40	<40 J	<40	<40 J	<40 J	<40 J	<40 [<40]	<40
Butyl benzylphthalate	µg/kg	<40	<40	<600	<40 [<40]	<200	<40	<40	<40	40 J	<40	<40	<40 J	<40 J	<40 [<40]	<40
Caprolactam	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Carbazole	µg/kg	<40	<40	<40	<40 [<40]	70	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Chrysene	µg/kg	<80	<80	2,000 J	<80 [<80]	<200	<70	<80	<70	260 J	<80	<80	<80	<80	<70 [<70]	<70
Dibenz(a,h)anthracene	µg/kg	<80	<80	80 I	<80 [<80]	<200 J	<70	<80	<70	<200	<80	<80	<80	<80	<70 [<70]	<70
Dibenzofuran	µg/kg	<40	<40	650	<40 [<40]	<40	<40	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 [<40]	<40
Diethyl phthalate	µg/kg	<80	<80	<80	<80 [<80]	<80	<70	<80	<70	<70	<80	<80 J	<80 J	<80 J	<70 [<70]	<70
Dimethyl phthalate	µg/kg	<260 B	<230 B	<210 B	<170 B [<140 B]	<250 B	<250 B	<230 B	<180 B	<170 B	<240 B	<200 B	<180 B	<140 B	<290 B [<210 B]	<260 B
Di-n-butylphthalate	µg/kg	<80	<80	<80	<80 [<80]	<80	<70	<80	<70	<70	<80	<80 J	<80 J	<80 J	<70 [<70]	<70
Di-n-octyl phthalate	µg/kg	<40 J	<40 J	<600 J	<40 J [<40 J]	<200 J	<40 J	<40 J	<40 J	<200	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
Fluoranthene	µg/kg	<40	<40	1,600	<40 [<40]	130	<40	<40	<40	70	<40	<40	<40	<40	<40 [<40]	<40
Fluorene	µg/kg	<40	<40	4,200	<40 [<40]	100	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Hexachlorobenzene	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Hexachlorobutadiene	µg/kg	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
Hexachlorocyclopentadiene	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Hexachloroethane	µg/kg	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
Indeno(1,2,3-cd)pyrene	µg/kg	<40	<40	<600	<40 [<40]	<200 J	<40	<40	<40	<200	<40	<40	<40	<40	<40 [<40]	<40
Isophorone	µg/kg	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
Naphthalene	µg/kg	<40	<40	1,300 (GSIP)	<40 [<40]	90	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Nitrobenzene	µg/kg	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J
N-Nitrosodi-n-propylamine	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
N-Nitrosodiphenylamine	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Pentachlorophenol	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Phenanthrene	µg/kg	<40	<40	7,100 (GSIP)	<40 [<40]	400	<40	<40	<40	120	<40	<40	<40	<40	<40 [<40]	<40
Phenol	µg/kg	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40
Pyrene	µg/kg	<40	<40	6,600 J	<40 [<40]	590 J	<40	<40	<40	190 J	<40	<40	<40	<40	<40 [<40]	<40
PCBs																
Aroclor-1016 (PCB-1016)	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/kg	<0.130	<0.140	<0.120	<0.130 [<0.130]	<0.120	<0.110	<0.120	<0.120	<0.120	<0.120	<0.110	<0.120	<0.110	<0.120 [<0.120]	<0.120
Arsenic	mg/kg	0.340	3.98	0.870	3.15 [3.10]	1.39	1.85	0.750	3.02	0.460	3.50	0.850	1.26	1.53	0.830 [0.920]	2.79
Barium	mg/kg	81.4	42.5	49.3	37.2 [40.0]	23.4	23.4	40.2	19.6	14.9	34.0	16.3	31.4	36.4	25.4 [40.3]	20.2
Beryllium	mg/kg	0.420	0.210	0.230	0.200 [0.160]	<0.120	0.120	0.200	<0.120	0.150	0.220	0.230	0.290	0.210	0.150 [0.200]	0.140
Boron	mg/kg	<5.26	<5.44	<4.92	<5.14 [<5.06]	<4.82	<4.58	<4.78	<4.68	<4.80	<4.84	<4.48	<4.56	<4.46	<4.68 [<4.72]	<4.66
Cadmium	mg/kg	0.230	<0.140	0.180	<0.130 [<0.130]	<0.120	<0.110	<0.120	0.200	<0.120	0.150	<0.110	<0.120	<0.110	<0.120 [<0.120]	<0.120
Chromium Total	mg/kg	2.58	4.23	4.02	3.54 [4.05]	2.33	3.09	3.98	3.09	4.05	5.31	3.07	7.15	7.19	3.63 [4.82]	3.46
Cobalt	mg/kg	3.51	3.86	3.37	3.40 [3.36]	1.75	2.41	5.17	3.11	3.13	4.69	1.87	3.97	4.46	2.54 [4.55]	2.81
Copper	mg/kg	2.00	12.7	7.83	10.0 [10.2]	8.24	6.28	3.64	7.84	9.44	12.9	3.19	13.4	12.2	9.63 [10.2]	7.09
Manganese	mg/kg	161	303	267	250 [268]	132	193	484 (RDWP,GSIP)	244	208	313	179	315	306	239 [262]	214
Mercury	mg/kg	0.0583	0.0133	0.0124	0.0102 [0.0113]	0.00770	0.00700	0.0123	0.00810	0.00670	0.0129	<0.00580	0.0109	0.0101	0.0102 [0.0100]	0.00760
Nickel	mg/kg	2.48	11.2	6.94	10.1 [10.0]	5.34	7.26	10.0	9.18	8.73	13.1	3.56	11.2	12.3	7.70 [10.0]	8.32
Selenium	mg/kg	<0.130	0.320	0.210	<0.170 [0.130]	<0.120	<0.110	0.210	0.260	0.180	0.250	<0.110	0.250	0.140	<0.120 [<0.120]	0.180
Silver	mg/kg	<0.130	<0.140	<0.120	<0.130 [<0.130]	<0.120	<0.110	<0.120	<0.120	<0.120	<0.120	<0.110	<0.120	<0.110	<0.120 [<0.120]	<0.120
Thallium	mg/kg	<0.130	<0.140	<0.120	<0.130 [<0.130]	<										

TABLE 2.2
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Notes:

- 1. Shading indicates result exceeding one or more MDEQ Part 201 Generic Cleanup Criteria and Screening Levels, Dated March 25, 2011.
- 2. Bold fonts represent data where detections were noted above the MDL but below MDEQ Part 201 Generic Cleanup Criteria.
- 3. Data shown in [] represent duplicate sample analytical results.

mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
RDWP - Residential Drinking water Protection Criteria
GSIP - Groundwater Surface Water Interface Protection
RBSL - Risk Based Screening Levels
NREPA - Natural Resources and Environmental Protection Act

Data Qualifiers:

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.
F = Criterion is based on adverse impacts to plant life and phytotoxicity
L = Criteria is derived using a biologically based model, as allowed for under Section 20120a(10) of NREPA, and are not calculated using the algorithms and assumption specified in pathway-specific rules.
NA =Criterion or value is not available or, as is the case for Csat, not applicable.
X = Elevated reporting limit due to matrix interference.
Y = Elevated reporting limit due to high target concentration.

Part 201 Criteria Footnotes:

NLV: Hazardous substance is not likely to volatilize under most conditions.
{T}: Refer to federal Toxic Substance Control Act (TSCA), 40 C.F.R §.761, Subpart D and 40 C.F.R §.761, Subpart G, to determine the applicability of TSCA cleanup standards.
{C}: Value presented is a screening level based on the chemical-specific soil saturation (Csat) since the calculated risk-based criterion is greater than Csat.
{X}: The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
{W}: Concentration of trihalomethanes in soil shall be added together to determine compliance with the Michigan drinking water protection criterion of 1600 ug/kg.
{D}: Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.
{DD}: Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure.
{M}: Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.
{G}: Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO₃/L, use 400 mg CaCO₃/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

ID = Inadequate data to develop criterion.

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:						MW-1	MW-2	MW-3	P2-MW-01	P2-MW-01
Date Collected:	Units	Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	10/18/11	10/18/11	10/18/11	08/29/11	10/10/11
VOCs										
1,1,1-Trichloroethane	µg/L	200(A)	89	1.30E+06(S)	6.60E+05	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/L	8.5	78(X)	4,700	12,000	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5(A)	330(X)	21,000	17,000	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	7(A)	130	11,000	200	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	µg/L	70(A)	99(X)	19,000	3.00E+05(S)	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	0.05(A)	5.7(X)	25	2,400	<0.020	<0.020	<0.020	<0.020	<0.020
1,2-Dichlorobenzene	µg/L	600(A)	13	1.60E+05(S)	1.60E+05(S)	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	µg/L	5(A)	230(X)	16,000	16,000	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	µg/L	6.6	28	2,000	18,000	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	µg/L	75(A)	17	6,400	16,000	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	µg/L	85	2,800(X)	1.70E+06	NLV	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (Methyl Ethyl Ketone)	µg/L	13,000	2,200	2.40E+08(S)	2.40E+08(S)	<10	<10	<10	<10	<10
2-Hexanone	µg/L	1,000	ID	5.20E+06	4.20E+06	<10	<10	<10	<10	<10
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	1,800	ID	1.30E+07	2.00E+07(S)	<10	<10	<10	<10	<10
Acetone	µg/L	730	1,700	3.10E+07	1.00E+09(D,S)	<10	<10	<10	<10	<10
Bromodichloromethane	µg/L	80(A,W)	ID	14,000	4,800	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	µg/L	80(A,W)	ID	1.40E+05	4.70E+05	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane (Methyl Bromide)	µg/L	10	35	70,000	4,000	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	µg/L	800	ID	1.20E+06(S)	2.50E+05	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	µg/L	5(A)	45(X)	4,600	370	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform (Trichloromethane)	µg/L	80(A,W)	350	1.50E+05	28,000	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane (Methyl Chloride)	µg/L	260	ID	4.90E+05	8,600	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
Cyclohexane	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	µg/L	80(A,W)	ID	18,000	14,000	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane (CFC-12)	µg/L	1,700	ID	3.00E+05(S)	2.20E+05	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	µg/L	800	28	56,000(S)	56,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	µg/L	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl acetate	µg/L	--	--	--	--	<10	<10	<10	<10	<10
Methyl cyclohexane	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	µg/L	40(E)	7,100(X)	6.10E+05	4.70E+07(S)	12	<1.0	<1.0	<1.0	<1.0
Styrene	µg/L	100(A)	80(X)	9,700	1.70E+05	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	µg/L	5(A)	60(X)	12,000	25,000	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/L	5(A)	200(X)	22,000	15,000	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane (CFC-11)	µg/L	2,600	NA	1.10E+06(S)	1.10E+06(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Trifluorotrichloroethane (Freon 113)	µg/L	1.70E+05(S)	32	1.70E+05(S)	1.70E+05(S)	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/L	880	740	2.40E+06	1.00E+06	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	µg/L	5(A)	360(X)	19,000	9,600	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/L	70(A)	620	2.00E+05	93,000	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	µg/L	100(A)	1,500(X)	2.20E+05	85,000	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	µg/L	5(A)	200(X)	11,000	5,600	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	µg/L	100(A)	25	86,000	2.10E+05	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	µg/L	430	1,100(X)	4.40E+05	5.70E+06(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	µg/L	74(E)	18	1.70E+05(S)	1.10E+05	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	µg/L	5(A)	1,500(X)	2.20E+05	2.20E+05	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	790(E)	270	5.30E+05(S)	5.30E+05(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	µg/L	2(A)	13(X)	1,000	1,100	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:						MW-1	MW-2	MW-3	P2-MW-01	P2-MW-01
Date Collected:	Units	Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	10/18/11	10/18/11	10/18/11	08/29/11	10/10/11
SVOCs										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,5-Trichlorophenol	µg/L	730	NA	1.70E+05	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,6-Trichlorophenol	µg/L	120	5	10,000	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dichlorophenol	µg/L	73	11	48,000	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dimethylphenol	µg/L	370	380	5.20E+05	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dinitrophenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dinitrotoluene	µg/L	7.7	NA	8,600	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
2,6-Dinitrotoluene	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chloronaphthalene	µg/L	1,800	NA	6,700(S)	ID	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorophenol	µg/L	45	18	94,000	4.90E+05	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methylnaphthalene	µg/L	260	19	25,000(S)	25,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methylphenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitroaniline	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitrophenol	µg/L	20	ID	79,000	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
3&4-Methylphenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
3,3'-Dichlorobenzidine	µg/L	1.1	0.3(M)	180	NLV	<0.050	<0.050	<0.050	<0.050	<0.050
3-Nitroaniline	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
4,6-Dinitro-2-methylphenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
4-Bromophenyl phenyl ether	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloro-3-methylphenol	µg/L	150	7.4	79,000	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloroaniline	µg/L	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0
4-Chlorophenyl phenyl ether	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
4-Nitroaniline	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
4-Nitrophenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthene	µg/L	1,300	38	4,200(S)	4,200(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthylene	µg/L	52	ID	3,900(S)	3,900(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Acetophenone	µg/L	1,500	ID	6.10E+06(S)	6.10E+06(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/L	43(S)	ID	43(S)	43(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Atrazine	µg/L	3(A)	7.3	5,400	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Benzaldehyde	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	µg/L	2.1	ID	9.4(S,AA)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)pyrene	µg/L	5(A)	ID	1(M,AA)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(b)fluoranthene	µg/L	1.5(S,AA)	ID	1.5(S,AA)	ID	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(g,h,i)perylene	µg/L	1(M); (S)	ID	1(M,AA); (S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(k)fluoranthene	µg/L	1(M); (S)	NA	1(M,AA); (S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Biphenyl	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Chloroethoxy)methane	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Chloroethyl)ether	µg/L	2	1(M)	5,700	38,000	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Ethylhexyl)phthalate	µg/L	6(A)	25	320(AA)	NLV	<2.0	<2.0	<2.0	<2.0	<2.0
Butyl benzylphthalate	µg/L	1,200	67(X)	2,700(S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Caprolactam	µg/L	5,800	NA	3.90E+08	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Carbazole	µg/L	85	10(M)	7,400	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Chrysene	µg/L	1.6(S)	ID	1.6(S,AA)	ID	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenz(a,h)anthracene	µg/L	2(M)	ID	2(M,AA)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenzofuran	µg/L	ID	4	ID	10,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl phthalate	µg/L	5,500	110	1.10E+06(S)	NLV	<2.0	<2.0	<2.0	<2.0	<2.0
Dimethyl phthalate	µg/L	73,000	NA	4.20E+06(S)	NLV	<2.0	<2.0	<2.0	3.0	<2.0
Di-n-butylphthalate	µg/L	880	9.7	11,000(S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Di-n-octyl phthalate	µg/L	130	ID	400	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoranthene	µg/L	210(S)	1.6	210(S)	210(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/L	880	12	2,000(S)	2,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobenzene	µg/L	1(A)	0.2(M)	4.6	440	<0.050	<0.050	<0.050	<0.050	<0.050
Hexachlorobutadiene	µg/L	15	0.053	400	1,600	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorocyclopentadiene	µg/L	50(A)	ID	1,600	130	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloroethane	µg/L	7.3	6.7(X)	1,900	27,000	<1.0	<1.0	<1.0	<1.0	<1.0
Indeno(1,2,3-cd)pyrene	µg/L	2(M); (S)	ID	2(M,AA); (S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Isophorone	µg/L	770	1,300(X)	9.90E+05	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/L	520	11	31,000(S)	31,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrobenzene	µg/L	3.4	180(X)	11,000	2.80E+05	<1.0	<1.0	<1.0	<1.0	<1.0
N-Nitrosodi-n-propylamine	µg/L	5(M)	NA	360	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
N-Nitrosodiphenylamine	µg/L	270	NA	35,000(S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Pentachlorophenol	µg/L	1(A)	2.8(G,X)	200	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Phenanthrene	µg/L	52	2(M)	1,000(S)	1,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0
Phenol	µg/L	4,400	450	2.90E+07	NLV	<1.0	<1.0	<1.0	<1.0	<1.0
Pyrene	µg/L	140(S)	ID	140(S)	140(S)	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:						MW-1	MW-2	MW-3	P2-MW-01	P2-MW-01
Date Collected:	Units	Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	10/18/11	10/18/11	10/18/11	08/29/11	10/10/11
SVOCs-Filtered										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	µg/L	730	NA	1.70E+05	NLV	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	µg/L	120	5	10,000	NLV	NA	NA	NA	NA	NA
2,4-Dichlorophenol	µg/L	73	11	48,000	NLV	NA	NA	NA	NA	NA
2,4-Dimethylphenol	µg/L	370	380	5.20E+05	NLV	NA	NA	NA	NA	NA
2,4-Dinitrophenol	µg/L	--	--	--	--	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	µg/L	7.7	NA	8,600	NLV	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	µg/L	--	--	--	--	NA	NA	NA	NA	NA
2-Chloronaphthalene	µg/L	1,800	NA	6,700(S)	ID	NA	NA	NA	NA	NA
2-Chlorophenol	µg/L	45	18	94,000	4.90E+05	NA	NA	NA	NA	NA
2-Methylnaphthalene	µg/L	260	19	25,000(S)	25,000(S)	NA	NA	NA	NA	NA
2-Methylphenol	µg/L	--	--	--	--	NA	NA	NA	NA	NA
2-Nitroaniline	µg/L	--	--	--	--	NA	NA	NA	NA	NA
2-Nitrophenol	µg/L	20	ID	79,000	NLV	NA	NA	NA	NA	NA
3&4-Methylphenol	µg/L	--	--	--	--	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	µg/L	1.1	0.3(M)	180	NLV	NA	NA	NA	NA	NA
3-Nitroaniline	µg/L	--	--	--	--	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	µg/L	--	--	--	--	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	µg/L	--	--	--	--	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	µg/L	150	7.4	79,000	NLV	NA	NA	NA	NA	NA
4-Chloroaniline	µg/L	--	--	--	--	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	µg/L	--	--	--	--	NA	NA	NA	NA	NA
4-Nitroaniline	µg/L	--	--	--	--	NA	NA	NA	NA	NA
4-Nitrophenol	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Acenaphthene	µg/L	1,300	38	4,200(S)	4,200(S)	NA	NA	NA	NA	NA
Acenaphthylene	µg/L	52	ID	3,900(S)	3,900(S)	NA	NA	NA	NA	NA
Acetophenone	µg/L	1,500	ID	6.10E+06(S)	6.10E+06(S)	NA	NA	NA	NA	NA
Anthracene	µg/L	43(S)	ID	43(S)	43(S)	NA	NA	NA	NA	NA
Atrazine	µg/L	3(A)	7.3	5,400	NLV	NA	NA	NA	NA	NA
Benzaldehyde	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Benzo(a)anthracene	µg/L	2.1	ID	9.4(S,AA)	NLV	NA	NA	NA	NA	NA
Benzo(a)pyrene	µg/L	5(A)	ID	1(M,AA)	NLV	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	µg/L	1.5(S,AA)	ID	1.5(S,AA)	ID	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	µg/L	1(M); (S)	ID	1(M,AA); (S)	NLV	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	µg/L	1(M); (S)	NA	1(M,AA); (S)	NLV	NA	NA	NA	NA	NA
Biphenyl	µg/L	--	--	--	--	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	µg/L	--	--	--	--	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	µg/L	2	1(M)	5,700	38,000	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	µg/L	6(A)	25	320(AA)	NLV	NA	NA	NA	NA	NA
Butyl benzylphthalate	µg/L	1,200	67(X)	2,700(S)	NLV	NA	NA	NA	NA	NA
Caprolactam	µg/L	5,800	NA	3.90E+08	NLV	NA	NA	NA	NA	NA
Carbazole	µg/L	85	10(M)	7,400	NLV	NA	NA	NA	NA	NA
Chrysene	µg/L	1.6(S)	ID	1.6(S,AA)	ID	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	µg/L	2(M)	ID	2(M,AA)	NLV	NA	NA	NA	NA	NA
Dibenzofuran	µg/L	ID	4	ID	10,000(S)	NA	NA	NA	NA	NA
Diethyl phthalate	µg/L	5,500	110	1.10E+06(S)	NLV	NA	NA	NA	NA	NA
Dimethyl phthalate	µg/L	73,000	NA	4.20E+06(S)	NLV	NA	NA	NA	NA	NA
Di-n-butylphthalate	µg/L	880	9.7	11,000(S)	NLV	NA	NA	NA	NA	NA
Di-n-octyl phthalate	µg/L	130	ID	400	NLV	NA	NA	NA	NA	NA
Fluoranthene	µg/L	210(S)	1.6	210(S)	210(S)	NA	NA	NA	NA	NA
Fluorene	µg/L	880	12	2,000(S)	2,000(S)	NA	NA	NA	NA	NA
Hexachlorobenzene	µg/L	1(A)	0.2(M)	4.6	440	NA	NA	NA	NA	NA
Hexachlorobutadiene	µg/L	15	0.053	400	1,600	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	µg/L	50(A)	ID	1,600	130	NA	NA	NA	NA	NA
Hexachloroethane	µg/L	7.3	6.7(X)	1,900	27,000	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	µg/L	2(M); (S)	ID	2(M,AA); (S)	NLV	NA	NA	NA	NA	NA
Isophorone	µg/L	770	1,300(X)	9.90E+05	NLV	NA	NA	NA	NA	NA
Naphthalene	µg/L	520	11	31,000(S)	31,000(S)	NA	NA	NA	NA	NA
Nitrobenzene	µg/L	3.4	180(X)	11,000	2.80E+05	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	µg/L	5(M)	NA	360	NLV	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	µg/L	270	NA	35,000(S)	NLV	NA	NA	NA	NA	NA
Pentachlorophenol	µg/L	1(A)	2.8(G,X)	200	NLV	NA	NA	NA	NA	NA
Phenanthrene	µg/L	52	2(M)	1,000(S)	1,000(S)	NA	NA	NA	NA	NA
Phenol	µg/L	4,400	450	2.90E+07	NLV	NA	NA	NA	NA	NA
Pyrene	µg/L	140(S)	ID	140(S)	140(S)	NA	NA	NA	NA	NA

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:						MW-1	MW-2	MW-3	P2-MW-01	P2-MW-01
Date Collected:	Units	Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	10/18/11	10/18/11	10/18/11	08/29/11	10/10/11
PCBs										
Aroclor-1016 (PCB-1016)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1221 (PCB-1221)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1232 (PCB-1232)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1242 (PCB-1242)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1248 (PCB-1248)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1254 (PCB-1254)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1260 (PCB-1260)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050
Total PCBs	µg/L	0.5(A)	0.2(M)	3.3(AA)	45(S)	<0.050	<0.050	<0.050	<0.050	<0.050
PCBs-Filtered										
Aroclor-1016 (PCB-1016)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
Total PCBs	µg/L	0.5(A)	0.2(M)	3.3(AA)	45(S)	NA	NA	NA	NA	NA
Inorganics										
Antimony	mg/L	0.006(A)	0.13(X)	68	NLV	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200
Arsenic	mg/L	0.01(A)	0.01	4.3	NLV	<0.00200	<0.00200	<0.00200	0.00900	<0.00200
Barium	mg/L	2(A)	0.67 (G)	14,000	NLV	0.337	0.125	0.618	1.15 (GSI)	0.932 (GSI)
Beryllium	mg/L	0.004(A)	0.0067 (G)	290	NLV	<0.00100	<0.00100	<0.00100	0.000600	<0.00100
Boron	mg/L	0.5(F)	5(X)	62,000	NLV	0.0600	0.150	0.170	0.0400	<0.0400
Cadmium	mg/L	0.005(A)	0.003(G,X)	190	NLV	<0.00100	<0.00100	<0.00100	<0.000500	<0.00100
Chromium Total	mg/L	0.1(A)	0.011	460	NLV	<0.0100	<0.0100	<0.0100	<0.00500	<0.0100
Chromium VI (Hexavalent)	mg/L	0.1(A)	0.011	460	NLV	<0.0200	<0.0200	<0.0200	NA	NA
Cobalt	mg/L	0.04	0.1	2,400	NLV	<0.0100	<0.0100	0.0120	<0.00500	<0.0100
Copper	mg/L	1(E)	0.013(G)	7,400	NLV	0.0320(GSI)	0.00200	0.00600	<0.00250	<0.00200
Manganese	mg/L	0.05(E)	2.8(G,X)	9,100	NLV	0.0740 (RDW)	0.0200	2.14 (RDW)	0.116 (RDW)	0.138 (RDW)
Mercury	mg/L	0.002(A)	0.0000013	0.056(S)	0.056(S)	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100
Nickel	mg/L	0.1(A)	0.073(G)	74,000	NLV	0.0100	<0.0100	0.0490	0.0210	<0.0100
Selenium	mg/L	0.05(A)	0.005	970	NLV	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200
Silver	mg/L	0.034	0.0002(M)	1,500	NLV	0.000500(GSI)	<0.000200	0.000500(GSI)	<0.000500	<0.000200
Thallium	mg/L	0.002(A)	0.0037(X)	13	NLV	<0.00200	<0.00200	<0.00200	0.000900	<0.00200
Vanadium	mg/L	0.0045	0.012	970	NLV	<0.00200	<0.00200	<0.00200	<0.00250	<0.00200
Lead	mg/L	0.004(L)	0.016(G,X)	ID	NLV	<0.00200	<0.00200	<0.00200	0.0180 (RDW)	<0.00200
Zinc	mg/L	2.4	0.17(G)	1.10E+05	NLV	0.0860	<0.0100	0.0180	<0.00500	<0.0100
Inorganics-Filtered										
Antimony (Dissolved)	mg/L	0.006(A)	0.13(X)	68	NLV	NA	NA	NA	NA	<0.00200
Arsenic (Dissolved)	mg/L	0.01(A)	0.01	4.3	NLV	NA	NA	NA	NA	<0.00200
Barium (Dissolved)	mg/L	2(A)	0.67 (G)	14,000	NLV	NA	NA	NA	NA	0.908 (GSI)
Beryllium (Dissolved)	mg/L	0.004(A)	0.0067 (G)	290	NLV	NA	NA	NA	NA	<0.00100
Boron	mg/L	0.5(F)	5(X)	62,000	NLV	NA	NA	NA	NA	<0.0400
Cadmium (Dissolved)	mg/L	0.005(A)	0.003(G,X)	190	NLV	NA	NA	NA	NA	<0.00100
Chromium Total (Dissolved)	mg/L	--	--	--	--	NA	NA	NA	NA	<0.0100
Cobalt (Dissolved)	mg/L	0.04	0.1	2,400	NLV	NA	NA	NA	NA	<0.0100
Copper (Dissolved)	mg/L	1(E)	0.013(G)	7,400	NLV	NA	NA	NA	NA	0.00300
Manganese (Dissolved)	mg/L	0.05(E)	2.8(G,X)	9,100	NLV	NA	NA	NA	NA	0.133 (RDW)
Mercury (Dissolved)	mg/L	0.002(A)	0.0000013	0.056(S)	0.056(S)	NA	NA	NA	NA	<0.000100
Nickel (Dissolved)	mg/L	0.1(A)	0.073(G)	74,000	NLV	NA	NA	NA	NA	<0.0100
Selenium (Dissolved)	mg/L	0.05(A)	0.005	970	NLV	NA	NA	NA	NA	<0.00200
Silver (Dissolved)	mg/L	0.034	0.0002(M)	1,500	NLV	NA	NA	NA	NA	<0.000200
Thallium (Dissolved)	mg/L	0.002(A)	0.0037(X)	13	NLV	NA	NA	NA	NA	<0.00200
Vanadium (Dissolved)	mg/L	0.0045	0.012	970	NLV	NA	NA	NA	NA	<0.00200
Lead (Dissolved)	mg/L	0.004(L)	0.016(G,X)	ID	NLV	NA	NA	NA	NA	<0.00200
Zinc (Dissolved)	mg/L	2.4	0.17(G)	1.10E+05	NLV	NA	NA	NA	NA	0.0500
Total Petroleum Hydrocarbons *										
DRO (C10-C28)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
DRO (C28-C34)	µg/L	--	--	--	--	NA	NA	NA	NA	NA
GRO (C5-C10)	µg/L					NA	NA	NA	NA	NA

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P2-MW-02	P2-MW-02	P2-MW-02	P2-MW-03 ^(a)	P2-MW-03	P2-MW-04	P2-MW-04	P2-SB-03
Date Collected:	Units	09/07/11	10/10/11	10/19/11	08/31/11	10/10/11	08/25/11	10/05/11	09/16/11
VOCs									
1,1,1-Trichloroethane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	NA	<0.050	NA	NA	<0.050	<0.050	<0.050	<0.050
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	NA	<0.020	NA	NA	<0.020	<0.020	<0.020	<0.020
1,2-Dichlorobenzene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	µg/L	NA	<5.0	NA	NA	43	50	62	<5.0
2-Butanone (Methyl Ethyl Ketone)	µg/L	NA	<10	NA	NA	<10	<10	<10	<10
2-Hexanone	µg/L	NA	<10	NA	NA	<10	<10	<10	<10
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	NA	<10	NA	NA	<10	<10	<10	<10
Acetone	µg/L	NA	<10	NA	NA	<10	<10	<10	<10
Bromodichloromethane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Bromoform	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Bromomethane (Methyl Bromide)	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Chloroform (Trichloromethane)	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Chloromethane (Methyl Chloride)	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Cyclohexane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane (CFC-12)	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	µg/L	NA	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0
Methyl acetate	µg/L	NA	<10	NA	NA	<10	<10	<10	<10
Methyl cyclohexane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Styrene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane (CFC-11)	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Trifluorotrichloroethane (Freon 113)	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	µg/L	NA	1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Benzene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Chloroethane	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Methylene chloride	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
o-Xylene	µg/L	NA	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P2-MW-02	P2-MW-02	P2-MW-02	P2-MW-03 ^(a)	P2-MW-03	P2-MW-04	P2-MW-04	P2-SB-03
Date Collected:	Units	09/07/11	10/10/11	10/19/11	08/31/11	10/10/11	08/25/11	10/05/11	09/16/11
SVOCs									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,5-Trichlorophenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2,4,6-Trichlorophenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2,4-Dichlorophenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2,4-Dimethylphenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2,4-Dinitrophenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2,4-Dinitrotoluene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2,6-Dinitrotoluene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2-Chloronaphthalene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2-Chlorophenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methylnaphthalene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2-Methylphenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2-Nitroaniline	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
2-Nitrophenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
3&4-Methylphenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
3,3'-Dichlorobenzidine	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050 J	<0.050	<0.050
3-Nitroaniline	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
4,6-Dinitro-2-methylphenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
4-Bromophenyl phenyl ether	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
4-Chloro-3-methylphenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
4-Chloroaniline	µg/L	NA	<2.0	NA	<2.0	<2.0	<2.0 J	<2.0	<2.0
4-Chlorophenyl phenyl ether	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
4-Nitroaniline	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
4-Nitrophenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Acenaphthene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Acenaphthylene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Acetophenone	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Atrazine	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Benzaldehyde	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Benzo(a)pyrene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Benzo(b)fluoranthene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Benzo(g,h,i)perylene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Benzo(k)fluoranthene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Biphenyl	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
bis(2-Chloroethoxy)methane	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
bis(2-Chloroethyl)ether	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Ethylhexyl)phthalate	µg/L	NA	<2.0	NA	<2.0	<2.0	<2.0 J	<2.0	<2.0
Butyl benzylphthalate	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Caprolactam	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Carbazole	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Chrysene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Dibenz(a,h)anthracene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Dibenzofuran	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Diethyl phthalate	µg/L	NA	<2.0	NA	<2.0	<2.0	<2.0 J	<2.0	<2.0
Dimethyl phthalate	µg/L	NA	<2.0	NA	3.0	<2.0	<2.0 J	<2.0	<2.0
Di-n-butylphthalate	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Di-n-octyl phthalate	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Fluoranthene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Fluorene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Hexachlorobenzene	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050 J	<0.050	<0.050
Hexachlorobutadiene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorocyclopentadiene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Hexachloroethane	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Indeno(1,2,3-cd)pyrene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Isophorone	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Naphthalene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrobenzene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
N-Nitrosodi-n-propylamine	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
N-Nitrosodiphenylamine	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Pentachlorophenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Phenanthrene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Phenol	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0
Pyrene	µg/L	NA	<1.0	NA	<1.0	<1.0	<1.0 J	<1.0	<1.0

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P2-MW-02	P2-MW-02	P2-MW-02	P2-MW-03 ^(a)	P2-MW-03	P2-MW-04	P2-MW-04	P2-SB-03
Date Collected:	Units	09/07/11	10/10/11	10/19/11	08/31/11	10/10/11	08/25/11	10/05/11	09/16/11
SVOCs-Filtered									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2,4,5-Trichlorophenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2,4,6-Trichlorophenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2,4-Dichlorophenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2,4-Dimethylphenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2,4-Dinitrophenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2,4-Dinitrotoluene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2,6-Dinitrotoluene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2-Chloronaphthalene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2-Chlorophenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2-Methylnaphthalene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2-Methylphenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2-Nitroaniline	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
2-Nitrophenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
3&4-Methylphenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
3,3'-Dichlorobenzidine	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
3-Nitroaniline	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
4-Bromophenyl phenyl ether	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
4-Chloro-3-methylphenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
4-Chloroaniline	µg/L	NA	NA	NA	<2.0	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
4-Nitroaniline	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
4-Nitrophenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Acenaphthene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Acenaphthylene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Acetophenone	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Anthracene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Atrazine	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Benzaldehyde	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Benzo(a)anthracene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Benzo(a)pyrene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Benzo(b)fluoranthene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Benzo(g,h,i)perylene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Benzo(k)fluoranthene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Biphenyl	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
bis(2-Chloroethyl)ether	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	µg/L	NA	NA	NA	<2.0	NA	NA	NA	NA
Butyl benzylphthalate	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Caprolactam	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Carbazole	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Chrysene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Dibenz(a,h)anthracene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Dibenzofuran	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Diethyl phthalate	µg/L	NA	NA	NA	<2.0	NA	NA	NA	NA
Dimethyl phthalate	µg/L	NA	NA	NA	2.0	NA	NA	NA	NA
Di-n-butylphthalate	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Di-n-octyl phthalate	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Fluoranthene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Fluorene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Hexachlorobenzene	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Hexachlorobutadiene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Hexachlorocyclopentadiene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Hexachloroethane	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Isophorone	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Naphthalene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Nitrobenzene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
N-Nitrosodiphenylamine	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Pentachlorophenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Phenanthrene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Phenol	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA
Pyrene	µg/L	NA	NA	NA	<1.0	NA	NA	NA	NA

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P2-MW-02	P2-MW-02	P2-MW-02	P2-MW-03 ^(a)	P2-MW-03	P2-MW-04	P2-MW-04	P2-SB-03
Date Collected:	Units	09/07/11	10/10/11	10/19/11	08/31/11	10/10/11	08/25/11	10/05/11	09/16/11
PCBs									
Aroclor-1016 (PCB-1016)	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050	<0.050	NA
Aroclor-1221 (PCB-1221)	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050	<0.050	NA
Aroclor-1232 (PCB-1232)	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050	<0.050	NA
Aroclor-1242 (PCB-1242)	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050	<0.050	NA
Aroclor-1248 (PCB-1248)	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050	<0.050	NA
Aroclor-1254 (PCB-1254)	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050	<0.050	NA
Aroclor-1260 (PCB-1260)	µg/L	NA	<0.050	NA	<0.050	<0.050	<0.050	<0.050	NA
Total PCBs	µg/L	NA	<0.050	NA	<0.050	<0.050	NA	<0.050	NA
PCBs-Filtered									
Aroclor-1016 (PCB-1016)	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Total PCBs	µg/L	NA	NA	NA	<0.050	NA	NA	NA	NA
Inorganics									
Antimony	mg/L	<0.00500 [<0.00500]	<0.00200	NA	<0.00500	<0.00200	<0.00500	<0.00200	NA
Arsenic	mg/L	0.0327 (RDW,GSI) [0.0326 (RDW,GSI)]	0.00900	NA	0.00700	0.00700	0.00230	0.00300	NA
Barium	mg/L	0.237 [0.235]	0.213	NA	0.435	0.408	0.516	0.567	NA
Beryllium	mg/L	0.000800 [0.000600]	<0.00100	NA	0.000600	<0.00100	<0.000600	<0.00100	NA
Boron	mg/L	0.0690 [0.0620]	0.0500	NA	0.0700	0.0600	0.110	0.100	NA
Cadmium	mg/L	<0.000500 [<0.000500]	<0.00100	NA	<0.000500	<0.00100	<0.000500	<0.00100	NA
Chromium Total	mg/L	0.0580 (GSI) [0.0590 (GSI)]	<0.0100	NA	<0.00500	<0.0100	<0.00500	<0.0100	NA
Chromium VI (Hexavalent)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	<0.00500 [<0.00500]	<0.0100	NA	<0.00500	<0.0100	<0.00500	<0.0100	NA
Copper	mg/L	<0.00250 [<0.00250]	<0.00200	NA	<0.00250	0.00500	<0.00250	<0.00200	NA
Manganese	mg/L	0.0610 (RDW) [0.0610 (RDW)]	0.0860 (RDW)	NA	0.155 (RDW)	0.135 (RDW)	0.118 (RDW)	0.132 (RDW)	NA
Mercury	mg/L	<0.000100 [<0.000100]	<0.000100	NA	<0.000100	<0.000100	<0.000100	<0.000100	NA
Nickel	mg/L	0.0320 [0.0310]	<0.0100	NA	0.0140	0.0360	<0.00500	<0.0100	NA
Selenium	mg/L	<0.00500 [<0.00500]	<0.00200	NA	<0.00500	<0.00200	<0.00500	<0.00200	NA
Silver	mg/L	<0.000500 [<0.000500]	<0.000200	NA	<0.000500	<0.000200	<0.000500	<0.000200	NA
Thallium	mg/L	<0.000500 [<0.000500]	<0.00200	NA	<0.000500	<0.00200	<0.00260	<0.00200	NA
Vanadium	mg/L	<0.00250 [<0.00250]	<0.00200	NA	<0.00250	<0.00200	<0.00250	<0.00200	NA
Lead	mg/L	<0.00460 [0.00250]	<0.00200	NA	0.00900 (RDW)	<0.00200	0.0178 (RDW,GSI)	<0.00200	NA
Zinc	mg/L	<0.00500 [<0.00500]	<0.0100	NA	<0.00500	0.0100	<0.00500	<0.0100	NA
Inorganics-Filtered									
Antimony (Dissolved)	mg/L	NA	NA	<0.00200	<0.00500	<0.00200	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	0.00200	0.00800	<0.00200	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	0.215	0.445	0.371	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	<0.00100	0.000500	<0.00100	NA	NA	NA
Boron	mg/L	NA	NA	0.0500	0.0700	0.0700	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	<0.00100	<0.000500	<0.00100	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	<0.0100	<0.00500	<0.0100	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	<0.0100	<0.00500	<0.0100	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	<0.00200	<0.00250	<0.00200	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	0.0850 (RDW)	0.143 (RDW)	0.126 (RDW)	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	<0.000100	<0.000100	<0.000100	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	<0.0100	0.0170	0.0350	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	<0.00200	<0.00500	<0.00200	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	<0.000200	<0.000500	<0.000200	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	<0.00200	<0.00100	<0.00200	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	<0.00200	<0.00250	<0.00200	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	<0.00200	0.00700 (RDW)	<0.00200	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	0.0220	<0.00500	0.0200	NA	NA	NA
Total Petroleum Hydrocarbons *									
DRO (C10-C28)	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
DRO (C28-C34)	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
GRO (C5-C10)	µg/L	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P2-SB-06	P2-SB-20	P2-SB-37
Date Collected:	Units	09/06/11	08/31/11	Free Product LNAPL 9/6/2011 10/18/2011*
VOCs				
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	10/18/2011*
1,1,2,2-Tetrachloroethane	µg/L	<1.0	<1.0	ND Y
1,1,2-Trichloroethane	µg/L	<1.0	<1.0	ND Y
1,1-Dichloroethene	µg/L	<1.0	<1.0	7,000 Y
1,2,4-Trichlorobenzene	µg/L	<1.0	<1.0	ND Y
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	<0.050	<0.050	ND Y
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	<0.020	<0.020	ND Y
1,2-Dichlorobenzene	µg/L	<1.0	<1.0	ND Y
1,2-Dichloropropane	µg/L	<1.0	<1.0	ND Y
1,3-Dichlorobenzene	µg/L	<1.0	<1.0	ND Y
1,4-Dichlorobenzene	µg/L	<1.0	<1.0	ND Y
1,4-Dioxane	µg/L	30	<5.0	ND Y
2-Butanone (Methyl Ethyl Ketone)	µg/L	<10	<10	ND Y
2-Hexanone	µg/L	<10	<10	ND Y
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	<10	<10	ND Y
Acetone	µg/L	<10	<10	ND Y
Bromodichloromethane	µg/L	<1.0	<1.0	ND Y
Bromoform	µg/L	<1.0	<1.0	ND Y
Bromomethane (Methyl Bromide)	µg/L	<1.0	<1.0	ND Y
Carbon disulfide	µg/L	<1.0	<1.0	ND Y
Carbon tetrachloride	µg/L	<1.0	<1.0	ND Y
Chloroform (Trichloromethane)	µg/L	<1.0	<1.0	ND Y
Chloromethane (Methyl Chloride)	µg/L	<1.0	<1.0	ND Y
cis-1,3-Dichloropropene	µg/L	<1.0	<1.0	ND Y
Cyclohexane	µg/L	<1.0	<1.0	ND Y
Dibromochloromethane	µg/L	<1.0	<1.0	ND Y
Dichlorodifluoromethane (CFC-12)	µg/L	<1.0	<1.0	ND Y
Isopropylbenzene	µg/L	<1.0	<1.0	ND Y
m&p-Xylene	µg/L	<2.0	<2.0	ND Y
Methyl acetate	µg/L	<10	<10	ND Y
Methyl cyclohexane	µg/L	<1.0	<1.0	6,000 Y
Methyl Tert Butyl Ether	µg/L	<1.0	<1.0	ND Y
Styrene	µg/L	<1.0	<1.0	ND Y
Tetrachloroethene	µg/L	<1.0	<1.0	8,000 Y
trans-1,3-Dichloropropene	µg/L	<1.0	<1.0	ND Y
Trichloroethene	µg/L	<1.0	<1.0	ND Y
Trichlorofluoromethane (CFC-11)	µg/L	<1.0	<1.0	ND Y
Trifluorotrichloroethane (Freon 113)	µg/L	<1.0	<1.0	ND Y
1,1-Dichloroethane	µg/L	<1.0	<1.0	277,000 Y
1,2-Dichloroethane	µg/L	<1.0	<1.0	ND Y
cis-1,2-Dichloroethene	µg/L	<1.0	<1.0	ND Y
trans-1,2-Dichloroethene	µg/L	<1.0	<1.0	ND Y
Benzene	µg/L	<1.0	<1.0	ND Y
Chlorobenzene	µg/L	<1.0	<1.0	ND Y
Chloroethane	µg/L	1.0	<1.0	181,000 Y
Ethylbenzene	µg/L	<1.0	<1.0	ND Y
Methylene chloride	µg/L	<1.0	<1.0	ND Y
Toluene	µg/L	<1.0	<1.0	11,000 Y
Vinyl chloride	µg/L	<1.0	<1.0	ND Y
o-Xylene	µg/L	<1.0	<1.0	ND Y

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P2-SB-06	P2-SB-20	P2-SB-37
Date Collected:	Units	09/06/11	08/31/11	Free Product LNAPL 9/6/2011 10/18/2011*
SVOCs				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	<1.0	<1.0	NA
2,4,5-Trichlorophenol	µg/L	<1.0	<1.0	NA
2,4,6-Trichlorophenol	µg/L	<1.0	<1.0	NA
2,4-Dichlorophenol	µg/L	<1.0	<1.0	NA
2,4-Dimethylphenol	µg/L	<1.0	<1.0	NA
2,4-Dinitrophenol	µg/L	<1.0	<1.0	NA
2,4-Dinitrotoluene	µg/L	<1.0	<1.0	NA
2,6-Dinitrotoluene	µg/L	<1.0	<1.0	NA
2-Chloronaphthalene	µg/L	<1.0	<1.0	NA
2-Chlorophenol	µg/L	<1.0	<1.0	NA
2-Methylnaphthalene	µg/L	<1.0	<1.0	NA
2-Methylphenol	µg/L	<1.0	<1.0	NA
2-Nitroaniline	µg/L	<1.0	<1.0	NA
2-Nitrophenol	µg/L	<1.0	<1.0	NA
3&4-Methylphenol	µg/L	<1.0	<1.0	NA
3,3'-Dichlorobenzidine	µg/L	<0.050	<0.050	NA
3-Nitroaniline	µg/L	<1.0	<1.0	NA
4,6-Dinitro-2-methylphenol	µg/L	<1.0	<1.0	NA
4-Bromophenyl phenyl ether	µg/L	<1.0	<1.0	NA
4-Chloro-3-methylphenol	µg/L	<1.0	<1.0	NA
4-Chloroaniline	µg/L	<2.0	<2.0	NA
4-Chlorophenyl phenyl ether	µg/L	<1.0	<1.0	NA
4-Nitroaniline	µg/L	<1.0	<1.0	NA
4-Nitrophenol	µg/L	<1.0	<1.0	NA
Acenaphthene	µg/L	<1.0	<1.0	NA
Acenaphthylene	µg/L	<1.0	<1.0	NA
Acetophenone	µg/L	<1.0	<1.0	NA
Anthracene	µg/L	<1.0	<1.0	NA
Atrazine	µg/L	<1.0	<1.0	NA
Benzaldehyde	µg/L	<1.0 J	<1.0	NA
Benzo(a)anthracene	µg/L	<1.0	<1.0	NA
Benzo(a)pyrene	µg/L	<1.0	<1.0	NA
Benzo(b)fluoranthene	µg/L	<1.0	<1.0	NA
Benzo(g,h,i)perylene	µg/L	<1.0 J	<1.0	NA
Benzo(k)fluoranthene	µg/L	<1.0	<1.0	NA
Biphenyl	µg/L	<1.0	<1.0	NA
bis(2-Chloroethoxy)methane	µg/L	<1.0	<1.0	NA
bis(2-Chloroethyl)ether	µg/L	<1.0	<1.0	NA
bis(2-Ethylhexyl)phthalate	µg/L	<2.0	<2.0	NA
Butyl benzylphthalate	µg/L	<1.0	<1.0	NA
Caprolactam	µg/L	<1.0	<1.0	NA
Carbazole	µg/L	<1.0	<1.0	NA
Chrysene	µg/L	<1.0	<1.0	NA
Dibenz(a,h)anthracene	µg/L	<1.0	<1.0	NA
Dibenzofuran	µg/L	<1.0	<1.0	NA
Diethyl phthalate	µg/L	<2.0	<2.0	NA
Dimethyl phthalate	µg/L	<2.0	4.0	NA
Di-n-butylphthalate	µg/L	<1.0	<1.0	NA
Di-n-octyl phthalate	µg/L	<1.0	<1.0	NA
Fluoranthene	µg/L	<1.0	<1.0	NA
Fluorene	µg/L	<1.0	<1.0	NA
Hexachlorobenzene	µg/L	<0.050	<0.050	NA
Hexachlorobutadiene	µg/L	<1.0	<1.0	NA
Hexachlorocyclopentadiene	µg/L	<1.0	<1.0	NA
Hexachloroethane	µg/L	<1.0	<1.0	NA
Indeno(1,2,3-cd)pyrene	µg/L	<1.0	<1.0	NA
Isophorone	µg/L	<1.0	<1.0	NA
Naphthalene	µg/L	<1.0	<1.0	NA
Nitrobenzene	µg/L	<1.0	<1.0	NA
N-Nitrosodi-n-propylamine	µg/L	<1.0	<1.0	NA
N-Nitrosodiphenylamine	µg/L	<1.0	<1.0	NA
Pentachlorophenol	µg/L	<1.0	<1.0	NA
Phenanthrene	µg/L	<1.0	<1.0	NA
Phenol	µg/L	<1.0	<1.0	NA
Pyrene	µg/L	<1.0	<1.0	NA

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P2-SB-06	P2-SB-20	P2-SB-37
Date Collected:	Units	09/06/11	08/31/11	Free Product LNAPL 9/6/2011 10/18/2011*
SVOCs-Filtered				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	NA	NA	NA
2,4,5-Trichlorophenol	µg/L	NA	NA	NA
2,4,6-Trichlorophenol	µg/L	NA	NA	NA
2,4-Dichlorophenol	µg/L	NA	NA	NA
2,4-Dimethylphenol	µg/L	NA	NA	NA
2,4-Dinitrophenol	µg/L	NA	NA	NA
2,4-Dinitrotoluene	µg/L	NA	NA	NA
2,6-Dinitrotoluene	µg/L	NA	NA	NA
2-Chloronaphthalene	µg/L	NA	NA	NA
2-Chlorophenol	µg/L	NA	NA	NA
2-Methylnaphthalene	µg/L	NA	NA	NA
2-Methylphenol	µg/L	NA	NA	NA
2-Nitroaniline	µg/L	NA	NA	NA
2-Nitrophenol	µg/L	NA	NA	NA
3&4-Methylphenol	µg/L	NA	NA	NA
3,3'-Dichlorobenzidine	µg/L	NA	NA	NA
3-Nitroaniline	µg/L	NA	NA	NA
4,6-Dinitro-2-methylphenol	µg/L	NA	NA	NA
4-Bromophenyl phenyl ether	µg/L	NA	NA	NA
4-Chloro-3-methylphenol	µg/L	NA	NA	NA
4-Chloroaniline	µg/L	NA	NA	NA
4-Chlorophenyl phenyl ether	µg/L	NA	NA	NA
4-Nitroaniline	µg/L	NA	NA	NA
4-Nitrophenol	µg/L	NA	NA	NA
Acenaphthene	µg/L	NA	NA	NA
Acenaphthylene	µg/L	NA	NA	NA
Acetophenone	µg/L	NA	NA	NA
Anthracene	µg/L	NA	NA	NA
Atrazine	µg/L	NA	NA	NA
Benzaldehyde	µg/L	NA	NA	NA
Benzo(a)anthracene	µg/L	NA	NA	NA
Benzo(a)pyrene	µg/L	NA	NA	NA
Benzo(b)fluoranthene	µg/L	NA	NA	NA
Benzo(g,h,i)perylene	µg/L	NA	NA	NA
Benzo(k)fluoranthene	µg/L	NA	NA	NA
Biphenyl	µg/L	NA	NA	NA
bis(2-Chloroethoxy)methane	µg/L	NA	NA	NA
bis(2-Chloroethyl)ether	µg/L	NA	NA	NA
bis(2-Ethylhexyl)phthalate	µg/L	NA	NA	NA
Butyl benzylphthalate	µg/L	NA	NA	NA
Caprolactam	µg/L	NA	NA	NA
Carbazole	µg/L	NA	NA	NA
Chrysene	µg/L	NA	NA	NA
Dibenz(a,h)anthracene	µg/L	NA	NA	NA
Dibenzofuran	µg/L	NA	NA	NA
Diethyl phthalate	µg/L	NA	NA	NA
Dimethyl phthalate	µg/L	NA	NA	NA
Di-n-butylphthalate	µg/L	NA	NA	NA
Di-n-octyl phthalate	µg/L	NA	NA	NA
Fluoranthene	µg/L	NA	NA	NA
Fluorene	µg/L	NA	NA	NA
Hexachlorobenzene	µg/L	NA	NA	NA
Hexachlorobutadiene	µg/L	NA	NA	NA
Hexachlorocyclopentadiene	µg/L	NA	NA	NA
Hexachloroethane	µg/L	NA	NA	NA
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA
Isophorone	µg/L	NA	NA	NA
Naphthalene	µg/L	NA	NA	NA
Nitrobenzene	µg/L	NA	NA	NA
N-Nitrosodi-n-propylamine	µg/L	NA	NA	NA
N-Nitrosodiphenylamine	µg/L	NA	NA	NA
Pentachlorophenol	µg/L	NA	NA	NA
Phenanthrene	µg/L	NA	NA	NA
Phenol	µg/L	NA	NA	NA
Pyrene	µg/L	NA	NA	NA

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P2-SB-06	P2-SB-20	P2-SB-37
Date Collected:	Units	09/06/11	08/31/11	Free Product LNAPL 9/6/2011 10/18/2011*
PCBs				
Aroclor-1016 (PCB-1016)	µg/L	NA	<0.050	ND Y
Aroclor-1221 (PCB-1221)	µg/L	NA	<0.050	52,000 Y
Aroclor-1232 (PCB-1232)	µg/L	NA	<0.050	ND Y
Aroclor-1242 (PCB-1242)	µg/L	NA	<0.050	ND Y
Aroclor-1248 (PCB-1248)	µg/L	NA	<0.050	ND Y
Aroclor-1254 (PCB-1254)	µg/L	NA	<0.050	ND Y
Aroclor-1260 (PCB-1260)	µg/L	NA	<0.050	ND Y
Total PCBs	µg/L	NA	<0.050	52,000 Y
PCBs-Filtered				
Aroclor-1016 (PCB-1016)	µg/L	NA	NA	NA
Aroclor-1221 (PCB-1221)	µg/L	NA	NA	NA
Aroclor-1232 (PCB-1232)	µg/L	NA	NA	NA
Aroclor-1242 (PCB-1242)	µg/L	NA	NA	NA
Aroclor-1248 (PCB-1248)	µg/L	NA	NA	NA
Aroclor-1254 (PCB-1254)	µg/L	NA	NA	NA
Aroclor-1260 (PCB-1260)	µg/L	NA	NA	NA
Total PCBs	µg/L	NA	NA	NA
Inorganics				
Antimony	mg/L	<0.00500	<0.00500	NA
Arsenic	mg/L	0.0183 (RDW,GSI)	0.00100	NA
Barium	mg/L	0.876 (GSI)	0.147	NA
Beryllium	mg/L	0.000700	0.000700	NA
Boron	mg/L	0.444	0.350	NA
Cadmium	mg/L	<0.000500	<0.000500	NA
Chromium Total	mg/L	<0.00500	<0.00500	NA
Chromium VI (Hexavalent)	mg/L	NA	NA	NA
Cobalt	mg/L	<0.00500	<0.00500	NA
Copper	mg/L	<0.00250	0.00400	NA
Manganese	mg/L	0.118 (RDW)	0.177 (RDW)	NA
Mercury	mg/L	<0.000100	<0.000100	NA
Nickel	mg/L	0.00600	<0.00500	NA
Selenium	mg/L	<0.00500	<0.00500	NA
Silver	mg/L	<0.000500	<0.000500	NA
Thallium	mg/L	<0.000500	<0.000500	NA
Vanadium	mg/L	<0.00250	<0.00250	NA
Lead	mg/L	0.0150 (RDW)	0.0180 (RDW,GSI)	NA
Zinc	mg/L	<0.00500	<0.00500	NA
Inorganics-Filtered				
Antimony (Dissolved)	mg/L	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA
Boron	mg/L	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA
Total Petroleum Hydrocarbons *				
DRO (C10-C28)	µg/L	NA	NA	270,000,000 X
DRO (C28-C34)	µg/L	NA	NA	190,000,000 X
GRO (C5-C10)	µg/L	NA	NA	1,100,000 Y

TABLE 2.3
RACER TRUST LANSING PLANT 2
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Notes:

- 1. Shading indicates result exceeding one or more MDEQ Part 201 Generic Cleanup Criteria and Screening Levels, Dated March 25, 2011.
- 2. Bold fonts indicate a detection above the MDL but below MDEQ Generic Criteria
- 3. Due to matrix interference, the groundwater sample from P2-MW-03 was filtered in the lab and analyzed for dissolved SVOCs and dissolved PCBs.

* Sample collected 10/18/2011.

mg/L - milligrams per liter

ug/L - micrograms per liter

RDWP - Residential Drinking water Protection Criteria

GSIP - Groundwater Surface Water Interface Protection

GCCP - Groundwater Contact Protection Criteria

VIIC - Residential Groundwater Volitilization to Indoor Air Inhalation Criteria

VOCs - Volatile Organic Compounds

SVOCs - Semi-volatile Organic Compounds

PCBs - Polychlorinated Biphenyls

MDL - Method Detection Limits

MDEQ - Michigan Department of Environmental Quality

Data Qualifiers:

U - analyzed for but not detected.

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.

X = Elevated reporting limit due to matric interference.

Y = Elevated reporting limits due to high target concentrations

NS = Not analyzed for this constituent.

NA =Criterion or value is not available or, as is the case for Csat, not applicable.

Part 201 Criteria Footnotes:

NLV: Hazardous substance is not likely to volatilize under most conditions.

{A}: Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.

{X}:The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

{S}: Criterion defaults to the chemical-specific water solubility limit.

{D}: Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.

{E}: Criterion is the aesthetic drinking water value, as required by Sec. 20120a(5) of the NREPA 1994 PA 451, as amended.

{M}: Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.

{G}: Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO₃/L, use 400 mg CaCO₃/L for the FCV calculation. The FCV formula provides values in units of ug/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

{A,A}: Comparison of these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

ID = Inadequate data to develop criterion.

TABLE 3.1
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
AOI LIST AND SAMPLING MATRIX

AOI Identification	AOI Title	AOI Description/Components	AOI Location Building Number Column/Bay	AOI Approximate Depth Below Grade (ft)	Materials Handled	Historical Constituents Detected above Part 201 Cleanup Criteria	Associated Soil Boring	Maximum Concentration Observed in AOI (mg/kg)	Proposed Phase II RFI Activities	Explanation/Rationale	Soil Boring ID
3-2	SWMU 16 - Oily Waste Treatment System	Treated oily wastewater; 2 concrete used oil holding tanks; 2 concrete oily sludge tanks	Northeast Portion of Building 301A	20	Oil Waste	NA	NA	NA	Further Action.	VOCs detected at P3-SB-6 @ 24'-25', but below criteria. No SVOCs detected. No metals detected above criteria.	P3-SB-5 P3-SB-6 boring 27
3-3	SWMU 17 - Scrap Metal Pits and Bins	Scrap Yard Dock Area, 24 Scrap Pits (10' by 10' by 13'), 4,000 Gallon Soluble Oil Sump Pit, 2,000 Gallon Cutting Oil Sump Pit	Outside of Building 301, West of RR Tracks and East of Building 301, A8-11	10	Scrap Metal	NA	NA	NA	Further Action.	VOCs not analyzed. SVOCs not detected. Metals (Selenium) above GSI criteria at P3-SB-28 @ 12'-13'. Metals detected above DWP in water sample collected at P3-SB-28.	P3-SB-28 P3-SB-29
3-4	SWMU 18 - Machining Residue Storage Area	20 Cubic Yard Roll-off Box located .	East of scrap metal conveyor	0	Machining Residue	NA	NA	NA	Further Action.	VOCs not analyzed. Positive shake test @ 4'-5'. SVOCs detected at 4'-5', but below criteria. No metals detected above criteria.	P3-SB-30
3-5	SWMU 19 - Clarifier	Circular concrete below-grade clarifier	South of Willow Road	<15	Storm Water, Oil and Sediments	NA	NA	NA	Further Actions	Inspect integrity of Tank	
3-6	SWMU 20 - Former Electroplating Waste Treatment System	Treated electroplating wastes (copper, nickel, and chromium). Included an Acid Wash Tank, Sludge Storage Tank, Waste Acid Storage Tank,	Building 301A Whole Building Buildings 301A and 301D Whole Building	10	Electroplating Waste	Chromium Total	SB#2 3.5-7(ft BGS)	20 {G}	No further action	VOCs not detected. SVOCs not detected. No metals detected above criteria.	boring 27
						Nickel	SB#2 0-3.5(ft BGS)	6300 {EG}			
3-9	AOC 2 - Building 301 UST Farm	6 USTs, stored polymer, sulfuric acid, soluble oil, gasoline, hydraulic oil, and APCO cleaner; Were removed in 1989.	East of Building 301	<15	Polymer, Sulfuric Acid, Soluble Oil, Gasoline, Hydraulic Oil, APCO Cleaner	Benzene	SB2 0-7(ft BGS)	5.7 {EGH}	Further Action.	No VOCs detected. SVOCs detected at SB-2-RO @ 3'-4', but below criteria. No metals detected above criteria.	SB-2 (Original) SS-15
						Ethylbenzene	SB3 0-7(ft BGS)	5.8 {EG}			
						Toluene	SB3 0-7(ft BGS)	20 {EG}			
						Vinyl chloride	SB3 7-13(ft BGS)	0.19 {E}			
						Xylene (total)	SB1 1-7(ft BGS)	32 {EG}			
3-10	AOC 4 - Former Electroplating Area	(1) Electroplating operations (2) New and Reworked Storage Tanks, Chromic Acid Reclaim, 7' diameter by 9' tall (3) 17 Acid Copper Plating Tanks (4) Sludge Sump Under Nickel Storage Tank, 1350 Gallons (5) 3 Washwater Tanks (1900 gal each) in Plating Area (6) Nickel Plating Tanks 1, 2, 3, 4, 6, 7, 8, and 9 (7) Copper Buffing Wash and Rinse Tanks (8) Bumper Plating Sumps (9) Dur'ni Nickel Operations Area, Tanks, Sumps and Drain Deck	North-Central Portion of Building 301	15	Electroplating Materials	Arsenic	13 43.5-45(ft BGS)	42 {EK}	Further action	VOCs not detected. SVOCs not detected. Water sample from CH-14-RO above DWP and GSI criteria for several metals.	boring 27 CH-13 CH-14 CH-15
						Chromium Total	CH-15 15.5-18(ft BGS)	4600 {CEFGJK}			
						Copper	G1 2-2(ft BGS)	1500 {G}			
						Cyanide (total)	I10 6-6(ft BGS)	2070 {CDEGJK}			
						Nickel	G12 15-15(ft BGS)	12000 {EFG}			
3-11	SWMU 14 - Former Scrap Metal Storage Areas	Stored scrap metal	West of Building 304 and East of Building 302	<5	Scrap Metal	NA	NA	NA	Further Action.	VOCs not analyzed. SVOCs detected at P3-SB-24 @ 3'-4' and at P3-SB-31 @ 2'-3', but below criteria. Metals above criteria @ 11'-12'	P3-SB-24 P3-SB-31 P3-SB-32 P3-SB-34
ID 3-13	Henry Filter Pits and Trenching	Coolant Trench and Sump, 1' 2" wide sluice trench	Building 302A C14	<15	Used Hydraulic Oil	NA	NA	NA	No further action	No VOCs detected. No SVOCs detected. No metals detected above criteria.	P3-SB-23
		Coolant Trenching	Building 302A E14 and F14								
		Henry Filter Pits and Trenching	Building 302A A-R/12-15								
ID 3-15	Oil Sump for Crank Shaft Operations	N/A	Building 302A K12	<15	Used Oil	NA	NA	NA	Further Action.	VOCs detected @ 11'-12', but below criteria. Positive shake test @ 6'-7'. SVOCs detected @ 6'-7' and 11'-12', but below criteria. Metals (Selenium) above GSI criteria @ 11'-12'. PCBs detected @ 6'-7'	P3-SB-26
ID 3-17	Broach Machine Filter Pit	9' by 20' by 9' pit	Building 302A A13	9	Used Oil	NA	NA	NA	Further Action.	No VOCs detected. No SVOCs detected. Metals (Ar, Ba, Co, Se, Tl, V) above DWP and/or GSI and/or DC criteria @ 1'-2' and 9'-10'.	P3-SB-25

TABLE 3.1
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
AOI LIST AND SAMPLING MATRIX

AOI Identification	AOI Title	AOI Description/Components	AOI Location Building Number Column/Bay	AOI Approximate Depth Below Grade (ft)	Materials Handled	Historical Constituents Detected above Part 201 Cleanup Criteria	Associated Soil Boring	Maximum Concentration Observed in AOI (mg/kg)	Proposed Phase II RFI Activities	Explanation/Rationale	Soil Boring ID
ID 3-51	Building 304 and 305 Press Pit Operations	Danly Press Utility Trench	Building 304, B1-3	<25	Used Hydraulic Oil	NA	NA	NA	Further Action.	No VOCs detected. SVOCs detected, but below criteria at: P3-SB-12 @ 3'-4' and 9'-10', P3-SB-13 @ 5'-6' and 17'-18' P3-SB-19 @ 2'-3' P3-SB-21 @ 9'-10' P3-SB-22 @ 3'-4' and 27'-28' Metals (Mn) above DWP and GSI at P3-SB-13 @ 17'-18'. Metals (Se) above GSI at P3-SB-17 @ 3'-4' and at P3-SB-21 @ 3'-4'. Metals (Ar, Bo, Co, Se, V) above DWP and/or GSI and/or DC at P3-SB-27 @ 4'-5'.	P3-SB-11 P3-SB-12 P3-SB-13 P3-SB-16 P3-SB-17 P3-SB-18 P3-SB-19 P3-SB-21 P3-SB-22 P3-SB-27
		Press Pits Sump (12" deep)	Building 304, B6 and C6								
		Four Danly Surge Tanks (16" diameter)	Building 304, C5-9								
		Scrap Pit	Building 304, F4 *								
		Blanker Pits and Sumps (Eight 2'x2'x2' deep sumps; Six 1'x1'x1' deep sumps)	Building 304, A-E/2-3 *								
		Auxiliary Waste Sump	Building 304, B8 *								
		Oil Spill Trench Under 240 Press Line	Building 304, B4-8								
		Press Pit, Trenching and Sump	Building 304, E2 and E3								
		Panel Die Tag Out Line Oil Trench and Sump	Building 304, E4-7 *								
		Press Pits, Sumps and Trenches	Building 304, D-E/2-3								
		E Press Line Sumps and Trenches	Building 305, E4-10 *								
		Press Pit and Sump	Building 305, A8-10 *								
		Press Pit	Building 305, A6-8								
		Hood Press Line Oil Trench and Sumps	Building 305, A-B/9-13								
		Danly Press Pit, Trenching and Sump	Building 305, A2 and A3								
		Shock Tower Press Sumps and Trenching	Building 305, A4-6								
		Fender Press Line Trench and Sumps	Building 305, D3-9 *								
		Clearing Toggle Press Sump	Building 305, A16								
		Try Out Press and Sump and Trench	Building 305, A13-15								
		Syncromatic Press Line Sumps and Trenches	Building 305, A6-12								
		Bumper Reinforcement Press Line Sumps and Trenches	Building 305, C-D/3-8								
		Rersion Presses Sumps and Trenches	Building 305, A-B/1-3 *								
ID 3-54	Sump	Sump pit with sump pump, unknown use	Building 304, E8	<5	Unknown	NA	NA	NA	Further Action.	VOCs (1,1-Dichloroethene) above SVIA criteria @ 9'-10'. Other VOCs detected but below criteria at 9'-10'. No SVOCs detected. No metals detected above criteria.	P3-SB-20
Misc Item Data Gap Filler Borings	IDs: 3-33, 3-34, 3-38, 3-40, 3-41, 3-42, 3-43, 3-44, 3-45, 3-46, 3-47, 3-48, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-60, 3-61, 3-62, and 3-63	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	NA	NA	NA	No further action	No VOCs detected. No VOCs detected. No metals detected above criteria.	P3-SB-14 P3-SB-15
Misc Item Data Gap Filler Borings	IDs: 3-12, 3-13, 3-14, 3-15, 3-16, 3-17, 3-18, 3-19, 3-20, 3-21, 3-24, 3-25, 3 -26, 3-27, 3-28, 3-29, 3-30, 3-36, 3-38, 3-49	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	NA	NA	NA	Further Action.	No VOCs detected. SVOCs detected at P3-SB-8 @ 2'-3' and 11'-12', but below criteria. No metals detected above criteria.	P3-SB-8 P3-SB-9 P3-SB-10
Misc Item Data Gap Filler Borings	IDs: 3-35, 3-37 and 3-50	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	NA	NA	NA	Further Action.	No VOCs detected. No VOCs detected. Metals detected above DWP in water sample collected at P3-SB-7	P3-SB-7
Background Sampling	NA	NA	NA	NA	NA	NA	NA	NA	Further action	No VOCs detected. No SVOCs detected. No metals detected above criteria. PCBs detect at P3-SB-3 @ 15'-16'	P3-SB-1 P3-SB-2 P3-SB-3 P3-SB-4

Footnotes:

NA - not applicable
AOI - Area of Interest
Csat - Part 201 Soil Saturation Concentration Screening Levels
DC - Direct Contact Criteria
DWP - Drinking Water Protection Criteria
GSIP - Groundwater Surface Water Interface Protection
MDEQ - Michigan Department of Environmental Quality
PCBs - Polychlorinated biphenyls
PSIC - Particulate Soil Inhalation Criteria

SWMU - Solid Waste Management Unit
SVIIC - Soil Volatilization to Indoor Air Inhalation Criteria
SVOCs - Semi-Volatile Organic Compounds
VOCs - Volatile Organic Compounds
VSIC - Infinite Source Volatile Soil Inhalation Criteria
RC - restrictive covenant
RWC - Risk-based Redevelopment Worker Contact
TAL - target analyte list (for metals) - note: will include speciation of chromium (trivalent and hexavalent) where noted above
TCL - target compound list (for VOCs and SVOCs)

Sample Concentration Exceedance Codes:

{A} - MDEQ Part 201 Industrial SVIIC
{B} - MDEQ Part 201 Industrial VSIC
{C} - MDEQ Part 201 Industrial PSIC
{D} - MDEQ Part 201 Industrial DC
{E} - MDEQ Part 201 Residential DWP
{F} - Risk-based Redevelopment Worker Contact

{G} - MDEQ Part 201 GSIP
{H} - MDEQ Part 201 Residential SVIIC
{I} - MDEQ Part 201 Residential VSIC
{J} - MDEQ Part 201 Residential PSIC
{K} - MDEQ Part 201 Residential DC
{L} - MDEQ Part 201 Soil Saturation Concentration Screening Levels

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

									AOI 3-2 (27-RO also represents AOI 3-6 and AOI 3-10)			
Location ID: Sample Depth(ft): Date Collected:									27-RO 6 - 7 08/15/11	27-RO 24 - 25 08/15/11	P3-SB-05 7 - 8 08/11/11	P3-SB-05 24 - 25 08/11/11
Units	Statewide Default Background Levels	Residential Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential Direct Contact Criteria & RBSLs	Residential Soil Vol to Indoor Air Inhalation Criteria & RBSLs	Residential Infinite Source VSIC & RBSLs	Residential Particulate Soil Inhalation Criteria & RBSLs					
VOCs												
1,1,1-Trichloroethane	ug/kg	NA	4,000	1,800	4.60E+05(C)	2.50E+05	3.80E+06	6.70E+10	<70	<60	<60	<70
1,1,2,2-Tetrachloroethane	ug/kg	NA	170	1,600(X)	53,000	4,300	10,000	5.40E+07	<70	<60	<60	<70
1,1,2-Trichloroethane	ug/kg	NA	100	6,600(X)	1.80E+05	4,600	17,000	1.90E+08	<70	<60	<60	<70
1,1-Dichloroethene	ug/kg	NA	140	2,600	2.00E+05	62	1,100	6.20E+07	<70	<60	<60	<70
1,2,4-Trichlorobenzene	ug/kg	NA	4,200	5,900(X)	9.90E+05(DD)	1.10E+06(C)	2.80E+07	2.50E+10	<70	<60	<60	<70
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	--	--	--	--	--	<3.0 J	<3.0	<3.0 J	<4.0 J
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	NA	20(M)	110(X)	92	670	1,700	1.40E+07	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	ug/kg	NA	14,000	280	2.10E+05(C)	2.10E+05(C)	3.90E+07	1.00E+11	<70	<60	<60	<70
1,2-Dichloropropane	ug/kg	NA	100	4,600(X)	1.40E+05	4,000	25,000	2.70E+08	<70	<60	<60	<70
1,3-Dichlorobenzene	ug/kg	NA	170	680	1.70E+05(C)	26,000	79,000	2.00E+08	<70	<60	<60	<70
1,4-Dichlorobenzene	ug/kg	NA	1,700	360	4.00E+05	19,000	77,000	4.50E+08	<70	<60	<60	<70
1,4-Dioxane	ug/kg	NA	1,700	56,000(X)	5.30E+05	NLV	NLV	5.70E+08	<300	<300	<300	<400
2-Butanone (Methyl Ethyl Ketone)	ug/kg	NA	2.60E+05	44,000	2.70E+07(C,DD)	2.70E+07(C)	2.90E+07	6.70E+10	<670	<620	<610	<710
2-Hexanone	ug/kg	NA	20,000	ID	2.50E+06(C)	9.90E+05	1.10E+06	2.70E+09	<670	<620	<610	<710
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	NA	36,000	ID	2.70E+06(C)	2.70E+06(C)	4.50E+07	1.40E+11	<670	<620	<610	<710
Acetone	ug/kg	NA	15,000	34,000	2.30E+07	1.10E+08(C)	1.30E+08	3.90E+11	<670	<620	<610	<710
Bromodichloromethane	ug/kg	NA	1,600(W)	ID	1.10E+05	1,200	9,100	8.40E+07	<70	<60	<60	<70
Bromoform	ug/kg	NA	1,600(W)	ID	8.20E+05	1.50E+05	9.00E+05	2.80E+09	<70	<60	<60	<70
Bromomethane (Methyl Bromide)	ug/kg	NA	200	700	3.20E+05	860	11,000	3.30E+08	<70	<60	<60	<70
Carbon disulfide	ug/kg	NA	16,000	ID	2.80E+05(C,DD)	76,000	1.30E+06	4.70E+10	<70	<60	<60	<70
Carbon tetrachloride	ug/kg	NA	100	900(X)	96,000	190	3,500	1.30E+08	<70	<60	<60	<70
Chloroform (Trichloromethane)	ug/kg	NA	1,600(W)	7,000	1.20E+06	7,200	45,000	1.30E+09	<70	<60	<60	<70
Chloromethane (Methyl Chloride)	ug/kg	NA	5,200	ID	1.10E+06(C)	2,300	40,000	4.90E+09	<70	<60	<60	<70
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	<70	<60	<60	<70
Cyclohexane	ug/kg	--	--	--	--	--	--	--	<70	<60	<60	<70
Dibromochloromethane	ug/kg	NA	1,600(W)	ID	1.10E+05	3,900	24,000	1.30E+08	<70	<60	<60	<70
Dichlorodifluoromethane (CFC-12)	ug/kg	NA	95,000	ID	1.00E+06(C)	9.00E+05	5.30E+07	3.30E+12	<70 J	<60 J	<60	<70
Isopropylbenzene	ug/kg	NA	91,000	3,200	3.90E+05(C)	3.90E+05(C)	1.70E+06	5.80E+09	<70	<60	<60	<70
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	<100	<100	<100	<100
Methyl acetate	ug/kg	--	--	--	--	--	--	--	<670	<620	<610	<710
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	<70	<60	<60	<70
Methyl Tert Butyl Ether	ug/kg	NA	800	1.40E+05(X)	1.50E+06	5.90E+06(C)	2.50E+07	2.00E+11	<70	<60	<60	<70
Styrene	ug/kg	NA	2,700	2,100(X)	4.00E+05	2.50E+05	9.70E+05	5.50E+09	<70	<60	<60	<70
Tetrachloroethene	ug/kg	NA	100	1,200(X)	88,000(C)	11,000	1.80E+05	5.40E+09	<70	<60	<60	<70
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	<70	<60	<60	<70
Trichloroethene	ug/kg	NA	100	4,000(X)	5.00E+05(C,DD)	7,100	78,000	1.80E+09	<70	<60	<60	<70
Trichlorofluoromethane (CFC-11)	ug/kg	NA	52,000	NA	5.60E+05(C)	5.60E+05(C)	9.20E+07	3.80E+12	<70	<60	<60	<70
Trifluorotrichloroethane (Freon 113)	ug/kg	NA	5.50E+05(C)	1,700	5.50E+05(C)	5.50E+05(C)	1.80E+08	5.10E+12	<70	<60	<60	<70
1,1-Dichloroethane	ug/kg	NA	18,000	15,000	8.90E+05(C)	2.30E+05	2.10E+06	3.30E+10	<70	<60	<60	<70
1,2-Dichloroethane	ug/kg	NA	100	7,200(X)	91,000	2,100	6,200	1.20E+08	<70	<60	<60	<70
cis-1,2-Dichloroethene	ug/kg	NA	1,400	12,000	6.40E+05(C)	22,000	1.80E+05	2.30E+09	<70	<60	<60	<70
trans-1,2-Dichloroethene	ug/kg	NA	2,000	30,000(X)	1.40E+06(C)	23,000	2.80E+05	4.70E+09	<70	<60	<60	<70
Benzene	ug/kg	NA	100	4,000(X)	1.80E+05	1,600	13,000	3.80E+08	<70	<60	<60	<70
Chlorobenzene	ug/kg	NA	2,000	500	2.60E+05(C)	1.20E+05	7.70E+05	4.70E+09	<70	<60	<60	<70
Chloroethane	ug/kg	NA	8,600	22,000(X)	9.50E+05(C)	9.50E+05(C)	3.00E+07	6.70E+11	<70	<60	<60	<70
Ethylbenzene	ug/kg	NA	1,500	360	1.40E+05(C)	87,000	7.20E+05	1.00E+10	<70	<60	<60	<70
Methylene chloride	ug/kg	NA	100	30,000(X)	1.30E+06	45,000	2.10E+05	6.60E+09	<70	<60	<60	<70
Toluene	ug/kg	NA	16,000	5,400	2.50E+05(C)	2.50E+05(C)	2.80E+06	2.70E+10	<70	<60	<60	<70
Vinyl chloride	ug/kg	NA	40	260(X)	3,800	270	4,200	3.50E+08	<70	<60	<60	<70
o-Xylene	ug/kg	--	--	--	--	--	--	--	<70	<60	<60	<70
SVOCs												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
2,4,5-Trichlorophenol	ug/kg	NA	39,000	NA	2.30E+07	NLV	NLV	2.30E+10	<40	<40	<40	<40
2,4,6-Trichlorophenol	ug/kg	NA	2,400	330(M)	7.10E+05	NLV	NLV	1.00E+09	<40	<40	<40	<40
2,4-Dichlorophenol	ug/kg	NA	1,500	330(M)	6.60E+05(DD)	NLV	NLV	5.10E+09	<40	<40	<40	<40
2,4-Dimethylphenol	ug/kg	NA	7,400	7,600	1.10E+07	NLV	NLV	4.70E+09	<40	<40	<40	<40
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
2,4-Dinitrotoluene	ug/kg	NA	430	NA	48,000	NLV	NLV	1.60E+07	<40	<40	<40	<40
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
2-Chloronaphthalene	ug/kg	NA	6.20E+05	NA	5.60E+07	ID	ID	ID	<40	<40	<40	<40
2-Chlorophenol	ug/kg	NA	900	360	1.40E+06	4.30E+05	9.60E+05	1.20E+09	<40	<40	<40	<40
2-Methylnaphthalene	ug/kg	NA	57,000	4,200	8.10E+06	2.70E+06	1.50E+06	6.70E+08	<40	<40	<40	<40
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
2-Nitrophenol	ug/kg	NA	400	ID	6.30E+05	NLV	NLV	ID	<40	<40	<40	<40
3&4-Methylphenol	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
3,3'-Dichlorobenzidine	ug/kg	NA	2,000(M)	2,000(M)	6,600	NLV	NLV	6.50E+06	<40	<40	<40	<40
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	<40	<40	<40 J	<40
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
4-Chloro-3-methylphenol	ug/kg	NA	5,800	280	4.50E+06	NLV	NLV	ID	<40	<40	<40	<40 J
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

									AOI 3-2 (27-RO also represents AOI 3-6 and AOI 3-10)			
Location ID: Sample Depth(ft): Date Collected:	Units	Statewide Default Background Levels	Residential Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential Direct Contact Criteria & RBSLs	Residential Soil Vol to Indoor Air Inhalation Criteria & RBSLs	Residential Infinite Source VSIC & RBSLs	Residential Particulate Soil Inhalation Criteria & RBSLs	27-RO 6 - 7 08/15/11	27-RO 24 - 25 08/15/11	P3-SB-05 7 - 8 08/11/11	P3-SB-05 24 - 25 08/11/11
SVOCs Cont.												
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
Acenaphthene	ug/kg	NA	3.00E+05	8,700	4.10E+07	1.90E+08	8.10E+07	1.40E+10	<40	<40	<40	<40
Acenaphthylene	ug/kg	NA	5,900	ID	1.60E+06	1.60E+06	2.20E+06	2.30E+09	<40	<40	<40	<40
Acetophenone	ug/kg	NA	30,000	ID	1.10E+06(C)	1.10E+06(C)	4.40E+07	3.30E+10	<40	<40	<40	<40
Anthracene	ug/kg	NA	41,000	ID	2.30E+08	1.00E+09(D)	1.40E+09	6.70E+10	<40	<40	<40	<40
Atrazine	ug/kg	NA	60	150	71,000(DD)	NLV	NLV	ID	<40	<40	<40	<40
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
Benzo(a)anthracene	ug/kg	NA	NLL	NLL	20,000	NLV	NLV	ID	<40	<40	<40	<40
Benzo(a)pyrene	ug/kg	NA	NLL	NLL	2,000	NLV	NLV	1.50E+06	<40	<40	<40	<40
Benzo(b)fluoranthene	ug/kg	NA	NLL	NLL	20,000	ID	ID	ID	<40	<40	<40	<40
Benzo(g,h,i)perylene	ug/kg	NA	NLL	NLL	2.50E+06	NLV	NLV	8.00E+08	<40	<40	<40	<40
Benzo(k)fluoranthene	ug/kg	NA	NLL	NLL	2.00E+05	NLV	NLV	ID	<40	<40	<40	<40
Biphenyl	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40
bis(2-Chloroethyl)ether	ug/kg	NA	100	100(M)	13,000	8,300	3,800	9.40E+06	<40	<40	<40	<40
bis(2-Ethylhexyl)phthalate	ug/kg	NA	NLL	NLL	2.80E+06	NLV	NLV	7.00E+08	<40	<40	<40	<40
Butyl benzylphthalate	ug/kg	NA	3.10E+05(C)	1.20E+05(X)	3.10E+05(C)	NLV	NLV	4.70E+10	<40	<40	<40	<40
Caprolactam	ug/kg	NA	1.20E+05	NA	5.30E+07(DD)	NLV	NLV	6.70E+08	<40	<40	<40	<40
Carbazole	ug/kg	NA	9,400	1,100	5.30E+05	NLV	NLV	6.20E+07	<40	<40	<40	<40
Chrysene	ug/kg	NA	NLL	NLL	2.00E+06	ID	ID	ID	<80	<70	<70	<80
Dibenz(a,h)anthracene	ug/kg	NA	NLL	NLL	2,000	NLV	NLV	ID	<80	<70	<70	<80
Dibenzofuran	ug/kg	NA	ID	1,700	ID	2.00E+06	1.30E+05	6.70E+06	<40	<40	<40	<40
Diethyl phthalate	ug/kg	NA	1.10E+05	2,200	7.40E+05(C)	NLV	NLV	3.30E+09	<80	<70	<70	<80
Dimethyl phthalate	ug/kg	NA	7.90E+05(C)	NA	7.90E+05(C)	NLV	NLV	3.30E+09	<80	<70	<70	<80
Di-n-butylphthalate	ug/kg	NA	7.60E+05(C)	11,000	7.60E+05(C)	NLV	NLV	3.30E+09	<80	<70	<70	<80
Di-n-octyl phthalate	ug/kg	NA	1.00E+08	ID	6.90E+06	NLV	NLV	3.10E+10	<40	<40	<40	<40
Fluoranthene	ug/kg	NA	7.30E+05	5,500	4.60E+07	1.00E+09(D)	7.40E+08	9.30E+09	<40	<40	<40	<40
Fluorene	ug/kg	NA	3.90E+05	5,300	2.70E+07	5.80E+08	1.30E+08	9.30E+09	<40	<40	<40	<40
Hexachlorobenzene	ug/kg	NA	1,800	350	8,900	41,000	17,000	6.80E+06	<40	<40	<40	<40
Hexachlorobutadiene	ug/kg	NA	26,000	91	1.00E+05	1.30E+05	1.30E+05	1.40E+08	<40	<40	<40	<40
Hexachlorocyclopentadiene	ug/kg	NA	3.20E+05	ID	7.20E+05(C)	30,000	50,000	1.30E+07	<40	<40	<40	<40
Hexachloroethane	ug/kg	NA	430	1,800(X)	2.30E+05	40,000	5.50E+05	2.30E+08	<40	<40	<40	<40
Indeno(1,2,3-cd)pyrene	ug/kg	NA	NLL	NLL	20,000	NLV	NLV	ID	<40	<40	<40	<40
Isophorone	ug/kg	NA	15,000	26,000(X)	2.40E+06(C)	NLV	NLV	1.20E+10	<40	<40	<40	<40
Naphthalene	ug/kg	NA	35,000	730	1.60E+07	2.50E+05	3.00E+05	2.00E+08	<40	<40	<40	<40
Nitrobenzene	ug/kg	NA	330(M)	3,600(X)	1.00E+05	91,000	54,000	4.70E+07	<40	<40	<40 J	<40 J
N-Nitrosodi-n-propylamine	ug/kg	NA	330(M)	NA	1,200	NLV	NLV	1.60E+06	<40	<40	<40	<40
N-Nitrosodiphenylamine	ug/kg	NA	5,400	NA	1.70E+06	NLV	NLV	2.20E+09	<40	<40	<40	<40
Pentachlorophenol	ug/kg	NA	22	17,000(G,X)	90,000	NLV	NLV	1.00E+08	<40	<40	<40	<40
Phenanthrene	ug/kg	NA	56,000	2,100	1.60E+06	2.80E+06	1.60E+05	6.70E+06	<40	<40	<40	<40
Phenol	ug/kg	NA	88,000	9,000	1.20E+07(C,DD)	NLV	NLV	4.00E+10	<40	<40	<40	<40
Pyrene	ug/kg	NA	4.80E+05	ID	2.90E+07	1.00E+09(D)	6.50E+08	6.70E+09	<40	<40	<40	<40
PCBs												
Aroclor-1016 (PCB-1016)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0
Aroclor-1221 (PCB-1221)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0
Aroclor-1232 (PCB-1232)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0
Aroclor-1242 (PCB-1242)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0
Aroclor-1248 (PCB-1248)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0
Aroclor-1254 (PCB-1254)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0
Aroclor-1260 (PCB-1260)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0
Total PCBs	ug/kg	NA	NLL	NLL	(T)	3.00E+06	2.40E+05	5.20E+06	<3.0	<3.0	<3.0	<3.0
Inorganics												
Antimony	mg/kg	NA	4.3	94(X)	180	NLV	NLV	13,000	<0.120	<0.120	<0.110	<0.120
Arsenic	mg/kg	5.8	4.6	4.6	7.6	NLV	NLV	720	1.09	1.35	1.34	1.50
Barium	mg/kg	75	1,300	440(G)	37,000	NLV	NLV	3.30E+05	46.6	20.2	21.8	25.3
Beryllium	mg/kg	NA	51	85(G)	410	NLV	NLV	1,300	0.220	0.180	0.150	<0.120
Boron	mg/kg	NA	10	100(X)	48,000(DD)	NLV	NLV	ID	<4.88	<5.00	<4.28	<4.56
Cadmium	mg/kg	1.2	6	3.6(G,X)	550	NLV	NLV	1,700	<0.120	0.120	<0.110	<0.120
Chromium Total	mg/kg	18	30	3.3	2500	--	--	--	<6.02 J	2.82 J	2.76	4.45
Cobalt	mg/kg	6.8	0.8	2	2,600	NLV	NLV	13,000	2.25	3.79	2.95	2.89
Copper	mg/kg	32	5,800	580(G)	20,000	NLV	NLV	1.30E+05	6.33	12.4	3.89	4.49
Manganese	mg/kg	440	1	56(G,X)	25,000	NLV	NLV	3,300	178	260	226	217
Mercury	mg/kg	0.13	1.7	0.05(M)	160	48	52	20,000	0.0126	0.00910	0.00840	0.00690
Nickel	mg/kg	20	100	76(G)	40,000	NLV	NLV	13,000	22.2	10.4	8.85	7.76
Selenium	mg/kg	0.41	4	0.4	2,600	NLV	NLV	1.30E+05	<0.120	<0.120	<0.110	0.190
Silver	mg/kg	1	4.5	0.1(M)	2,500	NLV	NLV	6,700	<0.120	<0.120	<0.110	<0.120
Thallium	mg/kg	NA	2.3	4.2(X)	35	NLV	NLV	13,000	<0.120	<0.120	<0.110	<0.120
Vanadium	mg/kg	NA	72	190	750(DD)	NLV	NLV	ID	4.39 J	4.44 J	4.55	3.08
Lead	mg/kg	21	700	2,800(G,X)	400	NLV	NLV	1.00E+05	3.96	5.57	3.32	2.41
Zinc	mg/kg	47	2,400	170(G)	1.70E+05	NLV	NLV	ID	7.43	14.9	7.29	8.07
Miscellaneous												
Total Solids	%	--	--	--	--	--	--	--	87	89	90	82

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 3-2 Cont.				AOI 3-3				AOI 3-4		AOI 3-9		
Location ID:		P3-SB-06	P3-SB-06	P3-SB-06	P3-SB-06	P3-SB-28	P3-SB-28	P3-SB-29	P3-SB-29	P3-SB-30	P3-SB-30	SB-02-RO	SB-02-RO	SS-15-RO
Sample Depth(ft): Date Collected:	Units	1 - 2 08/12/11	2 - 3 08/12/11	11 - 12 08/12/11	24 - 25 08/12/11	2 - 3 08/16/11	12 - 13 08/16/11	11 - 12 08/16/11	19 - 20 08/16/11	4 - 5 08/12/11	14 - 15 08/12/11	3 - 4 08/12/11	15 - 16 08/12/11	5 - 6 08/12/11
VOCs														
1,1,1-Trichloroethane	ug/kg	<50	<60 [<60]	<60	90	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,1,2,2-Tetrachloroethane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,1,2-Trichloroethane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,1-Dichloroethene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,2,4-Trichlorobenzene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	<3.0 J	<3.0 J [<3.0 J]	<3.0 J	<3.0 J	NA	NA	NA	NA	NA	NA	<3.0 J	<3.0 J	<3.0 J
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<1.0	<1.0 [<1.0]	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,2-Dichloropropane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,3-Dichlorobenzene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,4-Dichlorobenzene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,4-Dioxane	ug/kg	<300	<300 [<300]	<300	<300	NA	NA	NA	NA	NA	NA	<300	<300	<300
2-Butanone (Methyl Ethyl Ketone)	ug/kg	<520	<620 [<620]	<570	<580	NA	NA	NA	NA	NA	NA	<580	<570	<600
2-Hexanone	ug/kg	<520	<620 [<620]	<570	<580	NA	NA	NA	NA	NA	NA	<580	<570	<600
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	<520	<620 [<620]	<570	<580	NA	NA	NA	NA	NA	NA	<580	<570	<600
Acetone	ug/kg	<520	<620 [<620]	<570	<580	NA	NA	NA	NA	NA	NA	<580	<570	<600
Bromodichloromethane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Bromoform	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Bromomethane (Methyl Bromide)	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Carbon disulfide	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Carbon tetrachloride	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Chloroform (Trichloromethane)	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Chloromethane (Methyl Chloride)	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
cis-1,3-Dichloropropene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Cyclohexane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Dibromochloromethane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Dichlorodifluoromethane (CFC-12)	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Isopropylbenzene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
m&p-Xylene	ug/kg	<100	<100 [<100]	<100	<100	NA	NA	NA	NA	NA	NA	<100	<100	<100
Methyl acetate	ug/kg	<520	<620 [<620]	<570	<580	NA	NA	NA	NA	NA	NA	<580	<570	<600
Methyl cyclohexane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Methyl Tert Butyl Ether	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Styrene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Tetrachloroethene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
trans-1,3-Dichloropropene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Trichloroethene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Trichlorofluoromethane (CFC-11)	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Trifluorotrchloroethane (Freon 113)	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,1-Dichloroethane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
1,2-Dichloroethane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
cis-1,2-Dichloroethene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
trans-1,2-Dichloroethene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Benzene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Chlorobenzene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Chloroethane	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Ethylbenzene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Methylene chloride	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Toluene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
Vinyl chloride	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
o-Xylene	ug/kg	<50	<60 [<60]	<60	<60	NA	NA	NA	NA	NA	NA	<60	<60	<60
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2,4,5-Trichlorophenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2,4,6-Trichlorophenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2,4-Dichlorophenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2,4-Dimethylphenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2,4-Dinitrophenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2,4-Dinitrotoluene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2,6-Dinitrotoluene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40	<100	<40	<40
2-Chloronaphthalene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2-Chlorophenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2-Methylnaphthalene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	930	<40	<100	<40	<40
2-Methylphenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2-Nitroaniline	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
2-Nitrophenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
3&4-Methylphenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
3,3'-Dichlorobenzidine	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
3-Nitroaniline	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
4,6-Dinitro-2-methylphenol	ug/kg	<30 J	<40 J [<40]	<40 J	<40 J	<40	<40	<40 [<40]	<40	<40	<40 J	<100 J	<40 J	<40 J
4-Bromophenyl phenyl ether	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
4-Chloro-3-methylphenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
4-Chloroaniline	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 3-2 Cont.				AOI 3-3				AOI 3-4		AOI 3-9		
Location ID:		P3-SB-06	P3-SB-06	P3-SB-06	P3-SB-06	P3-SB-28	P3-SB-28	P3-SB-29	P3-SB-29	P3-SB-30	P3-SB-30	SB-02-RO	SB-02-RO	SS-15-RO
Sample Depth(ft): Date Collected:	Units	1 - 2 08/12/11	2 - 3 08/12/11	11 - 12 08/12/11	24 - 25 08/12/11	2 - 3 08/16/11	12 - 13 08/16/11	11 - 12 08/16/11	19 - 20 08/16/11	4 - 5 08/12/11	14 - 15 08/12/11	3 - 4 08/12/11	15 - 16 08/12/11	5 - 6 08/12/11
SVOCs Cont.														
4-Chlorophenyl phenyl ether	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
4-Nitroaniline	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
4-Nitrophenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Acenaphthene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Acenaphthylene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Acetophenone	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Anthracene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Atrazine	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Benzaldehyde	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Benzo(a)anthracene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Benzo(a)pyrene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Benzo(b)fluoranthene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Benzo(g,h,i)perylene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Benzo(k)fluoranthene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Biphenyl	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	190	<40	<100	<40	<40
bis(2-Chloroethoxy)methane	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
bis(2-Chloroethyl)ether	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
bis(2-Ethylhexyl)phthalate	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Butyl benzylphthalate	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Caprolactam	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Carbazole	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Chrysene	ug/kg	<70	<70 [<70]	<40	<70	<70	<70	<70 [<70]	<70	<70	<70	<300	<70	<70
Dibenz(a,h)anthracene	ug/kg	<70	<70 [<70]	<40	<70	<70	<70	<70 [<70]	<70	<70	<70	<300	<70	<70
Dibenzofuran	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Diethyl phthalate	ug/kg	<70	<70 [<70]	<40	<70	<70	<70	<70 [<70]	<70	<70	<70	<300	<70	<70
Dimethyl phthalate	ug/kg	<70	<70 [<70]	<40	<70	<70	<70	<70 [<70]	<70	<70	<70	<300	<70	<70
Di-n-butylphthalate	ug/kg	<70	<70 [<70]	<40	<70	<70	<70	<70 [<70]	<70	<70	<70	<300	<70	<70
Di-n-octyl phthalate	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Fluoranthene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	200	<40	<40
Fluorene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	120	<40	<100	<40	<40
Hexachlorobenzene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Hexachlorobutadiene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Hexachlorocyclopentadiene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Hexachloroethane	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Indeno(1,2,3-cd)pyrene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Isophorone	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Naphthalene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	150	<40	<100	<40	<40
Nitrobenzene	ug/kg	<30	<40 J [<40]	<40 J	<40 J	<40	<40	<40 [<40]	<40	<40 J	<40 J	<100 J	<40 J	<40 J
N-Nitrosodi-n-propylamine	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
N-Nitrosodiphenylamine	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Pentachlorophenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Phenanthrene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Phenol	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<100	<40	<40
Pyrene	ug/kg	<30	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	200	<40	<40
PCBs														
Aroclor-1016 (PCB-1016)	ug/kg	<3.0	<3.0 [<3.0]	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
Aroclor-1221 (PCB-1221)	ug/kg	<3.0	<3.0 [<3.0]	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
Aroclor-1232 (PCB-1232)	ug/kg	<3.0	<3.0 [<3.0]	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
Aroclor-1242 (PCB-1242)	ug/kg	<3.0	<3.0 [<3.0]	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
Aroclor-1248 (PCB-1248)	ug/kg	<3.0	<3.0 [<3.0]	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
Aroclor-1254 (PCB-1254)	ug/kg	<3.0	<3.0 [<3.0]	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
Aroclor-1260 (PCB-1260)	ug/kg	<3.0	<3.0 [<3.0]	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
Total PCBs	ug/kg	<3.0	<3.0 [<3.0]	<3.0	<3.0	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
Inorganics														
Antimony	mg/kg	<0.100	<0.100 [<0.110]	<0.110	<0.110	<0.110	<0.110	<0.120 [<0.120]	<0.120	<0.110	<0.100	<0.110	<0.110	<0.100
Arsenic	mg/kg	0.630	1.07 [1.03]	0.370	0.750	1.14	1.48	1.11 [1.75]	1.79	1.02	1.86	0.750	0.770	0.900
Barium	mg/kg	5.04	32.3 [31.5]	6.81	20.5	7.56	13.9	15.1 [21.1]	22.2	28.8	17.7	16.6	31.1	16.7
Beryllium	mg/kg	<0.100	0.160 [0.140]	<0.110	<0.110	<0.110	<0.110	<0.120 [0.130]	0.130	0.130	<0.100	<0.110	<0.110	<0.100
Boron	mg/kg	<3.50	<4.22 [<4.26]	<4.36	<4.38	<4.48	<4.58	<4.72 [<4.76]	<4.88	<4.50	<3.98	<4.32	<4.24	<4.12
Cadmium	mg/kg	<0.100	<0.100 [<0.110]	<0.110	<0.110	<0.110	<0.110	<0.120 [<0.120]	<0.120	0.110	<0.100	<0.110	<0.110	<0.100
Chromium Total	mg/kg	1.58	3.63 [2.58]	0.830	1.43	1.15 J	1.92 J	2.57 J [2.40 J]	2.25 J	3.01	2.54	1.72	6.08	1.80
Cobalt	mg/kg	1.00	3.82 [4.25]	1.07	1.49	1.74	2.10	2.21 [2.87]	2.81	2.84	2.59	2.22	3.19	1.87
Copper	mg/kg	2.62	4.99 [4.45]	1.26	2.32	2.74	6.79	4.65 [10.3]	9.05	8.31	7.17	6.60	7.79	3.31
Manganese	mg/kg	98.0	282 [287]	108	251	125	200	180 [253]	239	217	213	214	201	186
Mercury	mg/kg	<0.00520	0.0112 [0.00960]	0.00750	<0.00560	0.00570	0.00850	0.00730 [0.0101]	0.00800	0.00810	0.00770	0.00990	0.0119	0.00600
Nickel	mg/kg	4.72	12.5 [9.92]	1.82	5.37	4.03	7.03	5.19 [8.40]	9.06	7.78	7.98	6.18	10.0	5.40
Selenium	mg/kg	<0.100	0.100 [0.120]	<0.110	<0.110	<0.110	0.420 (GSIP)	<0.120 [0.290]	0.350	0.220	0.270	0.210	<0.110	<0.100
Silver	mg/kg	<0.100	<0.100 [<0.110]	<0.110	<0.110	<0.110	<0.110	<0.120 [<0.120]	<0.120	<0.110	<0.100	<0.110	<0.110	<0.100
Thallium	mg/kg	<0.100	<0.100 [<0.110]	<0.110	<0.110	<0.110	<0.110	<0.120 [<0.120]	<0.120	<0.110	<0.100	<0.110	<0.110	<0.100
Vanadium	mg/kg	1.48	4.92 [4.94]	1.31	2.31	1.88 J	3.48 J	3.10 J [4.09 J]	3.64 J	4.83	3.73	3.66	4.26	3.15
Lead	mg/kg	2.15	4.47 [3.48]	1.36	1.69	2.03	3.42	2.60 [4.28]	4.27	4.00	3.40	3.20	3.14	2.39
Zinc	mg/kg	3.45	8.99 [8.72]	2.49	5.58	4.13	9.58	6.97 [13.0]	12.6	11.5	10.7	9.52	8.27	6.18
Miscellaneous														
Total Solids	%	97	89 [89]	93	90	90	92	92 [90]	90	89	91	91	93	89

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

AOI-3-10									AOI 3-11					
Location ID:		SS-15-RO	CH-13-RO	CH-13-RO	CH-14-RO	CH-14-RO	CH-15-RO	CH-15-RO	P3-SB-24	P3-SB-24	P3-SB-31	P3-SB-31	P3-SB-32	P3-SB-32
Sample Depth(ft): Date Collected:	Units	19 - 20 08/12/11	6 - 7 08/16/11	21 - 22 08/16/11	9 - 10 08/15/11	18 - 19 08/15/11	2 - 3 08/15/11	19 - 20 08/15/11	3 - 4 08/18/11	9 - 10 08/18/11	2 - 3 08/18/11	9 - 10 08/18/11	2 - 3 08/22/11	9 - 10 08/22/11
VOCs														
1,1,1-Trichloroethane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	<3.0 J	<3.0 J	<3.0	<3.0 J	<3.0 J	<4.0 J [<4.0 J]	<3.0 J	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,4-Dioxane	ug/kg	<300	<300	<300	<300	<300	<400 [<400]	<300	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	ug/kg	<580	<610	<690	<590	<680	<720 [<730]	<600	NA	NA	NA	NA	NA	NA
2-Hexanone	ug/kg	<580	<610	<690	<590	<680	<720 [<730]	<600	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	<580	<610	<690	<590	<680	<720 [<730]	<600	NA	NA	NA	NA	NA	NA
Acetone	ug/kg	<580	<610	<690	<590	<680	<720 [<730]	<600	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Bromoform	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Bromomethane (Methyl Bromide)	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Carbon disulfide	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Chloroform (Trichloromethane)	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Chloromethane (Methyl Chloride)	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	<60	<60 J	<70	<60 J	<70 J	<70 J [<70 J]	<60 J	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
m&p-Xylene	ug/kg	<100	<100	<100	<100	<100	<100 [<100]	<100	NA	NA	NA	NA	NA	NA
Methyl acetate	ug/kg	<580	<610	<690	<590	<680	<720 [<730]	<600	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Methyl Tert Butyl Ether	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Styrene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Trifluorotrchloroethane (Freon 113)	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Benzene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Chloroethane	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Methylene chloride	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Toluene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
o-Xylene	ug/kg	<60	<60	<70	<60	<70	<70 [<70]	<60	NA	NA	NA	NA	NA	NA
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J [<40 J]
2,4,5-Trichlorophenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2,4,6-Trichlorophenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2,4-Dichlorophenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2,4-Dimethylphenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2,4-Dinitrophenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2,4-Dinitrotoluene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2,6-Dinitrotoluene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2-Chloronaphthalene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2-Chlorophenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2-Methylnaphthalene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2-Methylphenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
2-Nitrophenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J [<40 J]
3&4-Methylphenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
3,3'-Dichlorobenzidine	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
3-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
4,6-Dinitro-2-methylphenol	ug/kg	<40 J	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
4-Bromophenyl phenyl ether	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
4-Chloro-3-methylphenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
4-Chloroaniline	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

AOI-3-10									AOI 3-11					
Location ID: Sample Depth(ft): Date Collected:		SS-15-RO 19 - 20 08/12/11	CH-13-RO 6 - 7 08/16/11	CH-13-RO 21 - 22 08/16/11	CH-14-RO 9 - 10 08/15/11	CH-14-RO 18 - 19 08/15/11	CH-15-RO 2 - 3 08/15/11	CH-15-RO 19 - 20 08/15/11	P3-SB-24 3 - 4 08/18/11	P3-SB-24 9 - 10 08/18/11	P3-SB-31 2 - 3 08/18/11	P3-SB-31 9 - 10 08/18/11	P3-SB-32 2 - 3 08/22/11	P3-SB-32 9 - 10 08/22/11
Units														
SVOCs Cont.														
4-Chlorophenyl phenyl ether	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
4-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
4-Nitrophenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Acenaphthene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Acenaphthylene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Acetophenone	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Anthracene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Atrazine	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Benzaldehyde	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Benzo(a)anthracene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	70	<40	40	<40 [<40]	<40	<40 [<40]
Benzo(a)pyrene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	70	<40	50	<40 [<40]	<40	<40 [<40]
Benzo(b)fluoranthene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	50	<40	40	<40 [<40]	<40	<40 [<40]
Benzo(g,h,i)perylene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Benzo(k)fluoranthene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	50	<40	40	<40 [<40]	<40	<40 [<40]
Biphenyl	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
bis(2-Chloroethoxy)methane	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J [<40 J]
bis(2-Chloroethyl)ether	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J [<40 J]
bis(2-Ethylhexyl)phthalate	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Butyl benzylphthalate	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Caprolactam	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Carbazole	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Chrysene	ug/kg	<70	<70	<80	<70	<80	<80 [<80]	<70	90	<80	<80	<80 [<80]	<70	<70 [<70]
Dibenz(a,h)anthracene	ug/kg	<70	<70	<80	<70	<80	<80 [<80]	<70	<70	<80	<80	<80 [<80]	<70	<70 [<70]
Dibenzofuran	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Diethyl phthalate	ug/kg	<70	<70	<80	<70	<80	<80 [<80]	<70	<70	<80	<80	<80 [<80]	<70	<70 [<70]
Dimethyl phthalate	ug/kg	<70	<70	<80	<70	<80	<80 [<80]	<70	<70	<80	<80	<80 [<80]	<70	<70 [<70]
Di-n-butylphthalate	ug/kg	<70	<70	<80	<70	<80	<80 [<80]	<70	<70	<80	<80	<80 [<80]	<70	<70 [<70]
Di-n-octyl phthalate	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Fluoranthene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	170	<40	100	<40 [<40]	<40	<40 [<40]
Fluorene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Hexachlorobenzene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Hexachlorobutadiene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Hexachlorocyclopentadiene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Hexachloroethane	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Indeno(1,2,3-cd)pyrene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Isophorone	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Naphthalene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Nitrobenzene	ug/kg	<40 J	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J [<40 J]
N-Nitrosodi-n-propylamine	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
N-Nitrosodiphenylamine	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Pentachlorophenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Phenanthrene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	140	<40	50	<40 [<40]	<40	<40 [<40]
Phenol	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40	<40	<40 [<40]	<40	<40 [<40]
Pyrene	ug/kg	<40	<40	<40	<40	<40	<40 [<40]	<40	140	<40	80	<40 [<40]	<40	<40 [<40]
PCBs														
Aroclor-1016 (PCB-1016)	ug/kg	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	ug/kg	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	ug/kg	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	ug/kg	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	ug/kg	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	ug/kg	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	ug/kg	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ug/kg	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics														
Antimony	mg/kg	<0.100	<0.120	<0.120	<0.120	<0.130	<0.130 [<0.140]	<0.120	<0.110	<0.130	<0.120	<0.110 [<0.100]	<0.110	<0.120 [<0.110]
Arsenic	mg/kg	0.610	0.770	1.40	0.810	1.93	1.85 [2.13]	1.56	1.34	1.03	0.600	0.660 [1.33]	1.24	1.27 [1.42]
Barium	mg/kg	12.2	14.0	48.4	29.0	32.7	27.6 [32.9]	13.1	34.0	58.3	60.2	11.3 [13.3]	32.6	29.0 [26.2]
Beryllium	mg/kg	<0.100	<0.120	0.230	<0.120	0.200	0.310 [0.240]	0.120	0.150	0.350	0.400	0.110 [0.160]	0.160	0.150 [0.130]
Boron	mg/kg	<4.22	<4.74	<4.98	<4.80	<5.12	<5.20 [<5.46]	<4.62	<4.48	<5.04	<4.84	<4.30 [<4.04]	<4.54	<4.76 [<4.28]
Cadmium	mg/kg	<0.100	<0.120	0.160	<0.120	0.170	0.160 [0.170]	<0.120	0.130	0.380	0.150	<0.110 [<0.100]	<0.110	<0.120 [<0.110]
Chromium Total	mg/kg	3.9	2.71 J	3.60 J	42.9 J (DWP)	2.95 J	2.78 J [10.1 J]	2.09 J	3.16	4.12	4.43	2.06 [1.93]	2.59	2.56 [2.41]
Cobalt	mg/kg	1.17	1.53	4.70	2.28	4.68	1.26 [1.72]	2.32	3.88	3.35	3.56	1.89 [2.21]	3.42	3.97 [2.64]
Copper	mg/kg	2.85	1.74	15.0	2.55	14.1	3.67 [4.34]	7.71	7.25	23.0	5.60	5.01 [7.97]	4.32	4.98 [3.97]
Manganese	mg/kg	128	175	312	214	314	113 [132]	226	279	204	251	105 [117]	278	236 [169]
Mercury	mg/kg	0.00550	<0.00560	0.0134	0.00820	0.0127	0.0202 [0.0246]	0.00870	0.0156	0.0183	0.0320	0.00800 [<0.00580]	0.0115	0.00980 [0.00990]
Nickel	mg/kg	4.71	4.49	13.5	4.86	11.9	1.14 [1.87]	7.25	8.75	8.93	5.06	5.32 [5.81]	7.24	9.14 [6.25]
Selenium	mg/kg	0.110	0.150	0.120	<0.120	0.150	<0.130 [<0.140]	0.180	0.250	0.200	0.140	<0.110 [0.130]	0.350	0.310 [<0.110]
Silver	mg/kg	<0.100	<0.120	<0.120	<0.120	<0.130	<0.130 [<0.140]	<0.120	<0.110	<0.130	<0.120	<0.110 [<0.100]	<0.110	<0.120 [<0.110]
Thallium	mg/kg	<0.100	<0.120	0.140	<0.120	0.130	<0.130 [<0.140]	<0.120	<0.110	<0.130	<0.120	<0.110 [<0.100]	<0.110	<0.120 [<0.110]
Vanadium	mg/kg	2.08	2.04 J	5.70 J	2.55 J	4.92 J	9.62 J [9.33 J]	3.52 J	4.81	13.1	8.96	3.57 [5.03]	4.93	4.05 [4.27]
Lead	mg/kg	1.40	1.69	7.07	2.72	7.02	5.56 [5.18]	3.98	6.65	9.27	9.04	2.73 [2.54]	3.92	40.3 J [5.65 J]
Zinc	mg/kg	4.93	3.36	18.9	5.67	20.4	2.53 [3.41]	11.0	16.1	38.1	11.9	9.00 [8.40]	7.90	9.67 [8.79]
Miscellaneous														
Total Solids	%	94	91	84	91	84	82 [81]	91	92	82	87	85 [86]	92	90 [90]

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

				AOI ID 3-13		AOI ID 3-15			AOI ID 3-17	
Location ID:		P3-SB-33	P3-SB-33	P3-SB-23	P3-SB-23	P3-SB-26	P3-SB-26	P3-SB-26	P3-SB-25	P3-SB-25
Sample Depth(ft): Date Collected:	Units	2 - 3 08/22/11	9 - 10 08/22/11	4 - 5 08/18/11	19 - 20 08/18/11	6 - 7 08/18/11	11 - 12 08/18/11	19 - 20 08/18/11	1 - 2 08/18/11	9 - 10 08/18/11
VOCs										
1,1,1-Trichloroethane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,1,2,2-Tetrachloroethane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,1,2-Trichloroethane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,1-Dichloroethene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,2,4-Trichlorobenzene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	NA	NA	<3.0	<3.0	<3.0	500 J	<3.0	<6.0	<5.0
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,2-Dichlorobenzene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,2-Dichloropropane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,3-Dichlorobenzene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,4-Dichlorobenzene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,4-Dioxane	ug/kg	NA	NA	<300	<300	<300	<300	<300	<600	<500
2-Butanone (Methyl Ethyl Ketone)	ug/kg	NA	NA	<620	<610	<640	<680	<640	<1,200	<1,100
2-Hexanone	ug/kg	NA	NA	<620	<610	<640	<680	<640	<1,200	<1,100
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	NA	NA	<620	<610	<640	<680	<640	<1,200	<1,100
Acetone	ug/kg	NA	NA	<620	<610	<640	<680	<640	<1,200	<1,100
Bromodichloromethane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Bromoform	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Bromomethane (Methyl Bromide)	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Carbon disulfide	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Carbon tetrachloride	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Chloroform (Trichloromethane)	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Chloromethane (Methyl Chloride)	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
cis-1,3-Dichloropropene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Cyclohexane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Dibromochloromethane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Dichlorodifluoromethane (CFC-12)	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Isopropylbenzene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
m&p-Xylene	ug/kg	NA	NA	<100	<100	<100	<100	<100	<200	<200
Methyl acetate	ug/kg	NA	NA	<620	<610	<640	<680	<640	<1,200	<1,100
Methyl cyclohexane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Methyl Tert Butyl Ether	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Styrene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Tetrachloroethene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
trans-1,3-Dichloropropene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Trichloroethene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Trichlorofluoromethane (CFC-11)	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Trifluorotrichloroethane (Freon 113)	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,1-Dichloroethane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
1,2-Dichloroethane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
cis-1,2-Dichloroethene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
trans-1,2-Dichloroethene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Benzene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Chlorobenzene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Chloroethane	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Ethylbenzene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Methylene chloride	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Toluene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
Vinyl chloride	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
o-Xylene	ug/kg	NA	NA	<60	<60	<60	<70	<60	<100	<100
SVOCs										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	<40 J	<40 J	<40 J	<40 J	<400 J	<40	<40	<50 J	<50
2,4,5-Trichlorophenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2,4,6-Trichlorophenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2,4-Dichlorophenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2,4-Dimethylphenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2,4-Dinitrophenol	ug/kg	<40	<40	<40	<40	<400 J	<40 J	<40 J	<50	<50
2,4-Dinitrotoluene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2,6-Dinitrotoluene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2-Chloronaphthalene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2-Chlorophenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2-Methylnaphthalene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2-Methylphenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2-Nitroaniline	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
2-Nitrophenol	ug/kg	<40 J	<40 J	<40 J	<40 J	<400 J	<40	<40	<50 J	<50
3&4-Methylphenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
3,3'-Dichlorobenzidine	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
3-Nitroaniline	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
4,6-Dinitro-2-methylphenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
4-Bromophenyl phenyl ether	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
4-Chloro-3-methylphenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
4-Chloroaniline	ug/kg	<40	<40	<40	<40	<400 J	<40 J	<40 J	<50	<50

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

				AOI ID 3-13		AOI ID 3-15			AOI ID 3-17	
Location ID:		P3-SB-33	P3-SB-33	P3-SB-23	P3-SB-23	P3-SB-26	P3-SB-26	P3-SB-26	P3-SB-25	P3-SB-25
Sample Depth(ft): Date Collected:	Units	2 - 3 08/22/11	9 - 10 08/22/11	4 - 5 08/18/11	19 - 20 08/18/11	6 - 7 08/18/11	11 - 12 08/18/11	19 - 20 08/18/11	1 - 2 08/18/11	9 - 10 08/18/11
SVOCs Cont.										
4-Chlorophenyl phenyl ether	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
4-Nitroaniline	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
4-Nitrophenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Acenaphthene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Acenaphthylene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Acetophenone	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Anthracene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Atrazine	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Benzaldehyde	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Benzo(a)anthracene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Benzo(a)pyrene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Benzo(b)fluoranthene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Benzo(g,h,i)perylene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Benzo(k)fluoranthene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Biphenyl	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
bis(2-Chloroethoxy)methane	ug/kg	<40 J	<40 J	<40 J	<40 J	<400 J	<40	<40	<50 J	<50
bis(2-Chloroethyl)ether	ug/kg	<40 J	<40 J	<40 J	<40 J	<400 J	<40	<40	<50 J	<50
bis(2-Ethylhexyl)phthalate	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Butyl benzylphthalate	ug/kg	<40	<40	<40	<40	600 J	<40	<40	<50	<50
Caprolactam	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Carbazole	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Chrysene	ug/kg	<80	<70	<70	<70	<700 J	<80	<80	<100	<100
Dibenz(a,h)anthracene	ug/kg	<80	<70	<70	<70	<700 J	<80	<80	<100	<100
Dibenzofuran	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Diethyl phthalate	ug/kg	<80	<70	<70	<70	<700 J	<80	<80	<100	<100
Dimethyl phthalate	ug/kg	<80	<70	<70	<70	<700 J	<80	<80	<100	<300 B
Di-n-butylphthalate	ug/kg	<80	<70	<70	<70	<700 J	<80	<80	<100	<100
Di-n-octyl phthalate	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Fluoranthene	ug/kg	<40	<40	<40	<40	<400 J	60	<40	<50	<50
Fluorene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Hexachlorobenzene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Hexachlorobutadiene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Hexachlorocyclopentadiene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Hexachloroethane	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Indeno(1,2,3-cd)pyrene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Isophorone	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Naphthalene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Nitrobenzene	ug/kg	<40 J	<40 J	<40 J	<40 J	<400 J	<40	<40	<50 J	<50
N-Nitrosodi-n-propylamine	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
N-Nitrosodiphenylamine	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Pentachlorophenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Phenanthrene	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Phenol	ug/kg	<40	<40	<40	<40	<400 J	<40	<40	<50	<50
Pyrene	ug/kg	<40	<40	<40	<40	<400 J	50	<40	<50	<50
PCBs										
Aroclor-1016 (PCB-1016)	ug/kg	NA	NA	<3.0	<3.0	<6.0	<3.0	<3.0	<4.0	<4.0
Aroclor-1221 (PCB-1221)	ug/kg	NA	NA	<3.0	<3.0	<6.0	<3.0	<3.0	<4.0	<4.0
Aroclor-1232 (PCB-1232)	ug/kg	NA	NA	<3.0	<3.0	<6.0	<3.0	<3.0	<4.0	<4.0
Aroclor-1242 (PCB-1242)	ug/kg	NA	NA	<3.0	<3.0	<6.0	<3.0	<3.0	<4.0	<4.0
Aroclor-1248 (PCB-1248)	ug/kg	NA	NA	<3.0	<3.0	<6.0	<3.0	<3.0	<4.0	<4.0
Aroclor-1254 (PCB-1254)	ug/kg	NA	NA	<3.0	<3.0	60	<3.0	<3.0	<4.0	<4.0
Aroclor-1260 (PCB-1260)	ug/kg	NA	NA	<3.0	<3.0	<6.0	<3.0	<3.0	<4.0	<4.0
Total PCBs	ug/kg	NA	NA	<3.0	<3.0	60	<3.0	<3.0	<4.0	<4.0
Inorganics										
Antimony	mg/kg	<0.120	<0.110	<0.110	<0.120	<0.100	<0.130	<0.130	2.11	1.52
Arsenic	mg/kg	0.630	0.950	0.580	1.33	0.700	1.91	1.25	82.8 (RDWP,GSIP,RDC)	77.2 (RDWP,GSIP,RDC)
Barium	mg/kg	77.9	19.9	50.6	19.8	7.02	53.3	20.5	354	245
Beryllium	mg/kg	0.230	0.130	0.230	0.140	<0.100	0.530	0.180	6.25	5.82
Boron	mg/kg	<4.90	<4.36	<4.56	<4.72	<4.10	<5.16	<5.06	137 (RDWP,GSIP)	141 (RDWP,GSIP)
Cadmium	mg/kg	0.350	<0.110	0.130	<0.120	<0.100	0.500	<0.130	0.540	0.480
Chromium Total	mg/kg	2.63	2.14	3.10	2.75	1.82	6.07	5.23	33.6 (DWP)	27.8
Cobalt	mg/kg	2.50	2.38	2.13	2.96	1.31	1.47	4.00	13.9 (RDWP,GSIP)	12.4 (RDWP,GSIP)
Copper	mg/kg	7.51	3.99	8.09	9.80	3.20	18.1	9.59	73.7	61.4
Manganese	mg/kg	525 (RDWP,GSIP)	191	327	266	108	40.7	392	86.0	67.9
Mercury	mg/kg	0.0376	0.00960	0.0273	0.00870	<0.00560	0.0375	0.00830	0.0627	0.0959
Nickel	mg/kg	3.52	5.74	4.40	8.76	3.94	5.42	11.1	30.1	25.9
Selenium	mg/kg	0.120	0.320	0.120	0.180	<0.100	0.530 (GSIP)	0.310	11.3 (RDWP,GSIP)	9.16 (RDWP,GSIP)
Silver	mg/kg	<0.120	<0.110	<0.110	<0.120	<0.100	<0.130	<0.130	0.180	<0.160
Thallium	mg/kg	<0.120	<0.110	<0.110	<0.120	<0.100	<0.130	<0.130	3.08 (RDWP)	1.85
Vanadium	mg/kg	5.55	3.53	6.78	4.83	2.44	9.50	7.68	124 (RDWP)	125 (RDWP)
Lead	mg/kg	5.42	3.24	5.42	4.45	1.90	15.7	6.42	24.6	20.0
Zinc	mg/kg	10.2	8.78	9.18	13.8	5.16	15.0	16.2	48.9	41.8
Miscellaneous										
Total Solids	%	86	89	89	90	89	84	87	61	63

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI ID 3-51												
Location ID:		P3-SB-11	P3-SB-11	P3-SB-12	P3-SB-12	P3-SB-13	P3-SB-13	P3-SB-16	P3-SB-16	P3-SB-17	P3-SB-17	P3-SB-18	P3-SB-18	P3-SB-19
Sample Depth(ft): Date Collected:	Units	2 - 3 08/23/11	9 - 10 08/23/11	3 - 4 08/24/11	9 - 10 08/24/11	5 - 6 08/25/11	17 - 18 08/25/11	1 - 2 08/22/11	9 - 10 08/22/11	3 - 4 08/23/11	9 - 10 08/23/11	2 - 3 08/22/11	28 - 29 08/22/11	2 - 3 08/19/11
VOCs														
1,1,1-Trichloroethane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,1,2,2-Tetrachloroethane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,1,2-Trichloroethane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,1-Dichloroethene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,2,4-Trichlorobenzene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0 J	<3.0
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<1.0	<1.0	<1.0	<2.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,2-Dichloropropane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,3-Dichlorobenzene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,4-Dichlorobenzene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,4-Dioxane	ug/kg	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300 [<300]	<300	<300	<300
2-Butanone (Methyl Ethyl Ketone)	ug/kg	<520	<670	<660	<580	<660	<660	<590	<600	<660	<580 [<580]	<600	<620	<630
2-Hexanone	ug/kg	<520	<670	<660	<580	<660	<660	<590	<600	<660	<580 [<580]	<600	<620	<630
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	<520	<670	<660	<580	<660	<660	<590	<600	<660	<580 [<580]	<600	<620	<630
Acetone	ug/kg	<520	<670	<660	<580	<660	<660	<590	<600	<660	<580 [<580]	<600	<620	<630
Bromodichloromethane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Bromoform	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Bromomethane (Methyl Bromide)	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Carbon disulfide	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Carbon tetrachloride	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Chloroform (Trichloromethane)	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Chloromethane (Methyl Chloride)	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
cis-1,3-Dichloropropene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Cyclohexane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Dibromochloromethane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Dichlorodifluoromethane (CFC-12)	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Isopropylbenzene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
m&p-Xylene	ug/kg	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100 [<100]	<100	<100	<100
Methyl acetate	ug/kg	<520	<670	<660	<580	<660	<660	<590	<600	<660	<580 [<580]	<600	<620	<630
Methyl cyclohexane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Methyl Tert Butyl Ether	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Styrene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Tetrachloroethene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
trans-1,3-Dichloropropene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Trichloroethene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Trichlorofluoromethane (CFC-11)	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Trifluorotrchloroethane (Freon 113)	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,1-Dichloroethane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
1,2-Dichloroethane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
cis-1,2-Dichloroethene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
trans-1,2-Dichloroethene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Benzene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Chlorobenzene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Chloroethane	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Ethylbenzene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Methylene chloride	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Toluene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
Vinyl chloride	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
o-Xylene	ug/kg	<50	<70	<70	<60	<70	<70	<60	<60	<70	<60 [<60]	<60	<60	<60
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	<30 J	<40 J	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40
2,4,5-Trichlorophenol	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
2,4,6-Trichlorophenol	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
2,4-Dichlorophenol	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
2,4-Dimethylphenol	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
2,4-Dinitrophenol	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40 J	<40
2,4-Dinitrotoluene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
2,6-Dinitrotoluene	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
2-Chloronaphthalene	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
2-Chlorophenol	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
2-Methylnaphthalene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
2-Methylphenol	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
2-Nitroaniline	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
2-Nitrophenol	ug/kg	<30 J	<40 J	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40
3&4-Methylphenol	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
3,3'-Dichlorobenzidine	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40
3-Nitroaniline	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
4,6-Dinitro-2-methylphenol	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
4-Bromophenyl phenyl ether	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
4-Chloro-3-methylphenol	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
4-Chloroaniline	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI ID 3-51												
Location ID:		P3-SB-11	P3-SB-11	P3-SB-12	P3-SB-12	P3-SB-13	P3-SB-13	P3-SB-16	P3-SB-16	P3-SB-17	P3-SB-17	P3-SB-18	P3-SB-18	P3-SB-19
Sample Depth(ft): Date Collected:	Units	2 - 3 08/23/11	9 - 10 08/23/11	3 - 4 08/24/11	9 - 10 08/24/11	5 - 6 08/25/11	17 - 18 08/25/11	1 - 2 08/22/11	9 - 10 08/22/11	3 - 4 08/23/11	9 - 10 08/23/11	2 - 3 08/22/11	28 - 29 08/22/11	2 - 3 08/19/11
SVOCs Cont.														
4-Chlorophenyl phenyl ether	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
4-Nitroaniline	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
4-Nitrophenol	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Acenaphthene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Acenaphthylene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Acetophenone	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
Anthracene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Atrazine	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
Benzaldehyde	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Benzo(a)anthracene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Benzo(a)pyrene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Benzo(b)fluoranthene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Benzo(g,h,i)perylene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Benzo(k)fluoranthene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Biphenyl	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
bis(2-Chloroethoxy)methane	ug/kg	<30 J	<40 J	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40
bis(2-Chloroethyl)ether	ug/kg	<30 J	<40 J	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40
bis(2-Ethylhexyl)phthalate	ug/kg	<30 J	<40 J	50	40	40	60	<40	<40 J	<40 J	<40 J [<40 J]	<40	<40	<40
Butyl benzylphthalate	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
Caprolactam	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Carbazole	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Chrysene	ug/kg	<70	<80	<80	<70	<80	<80	<70	<70	<80	<70 [<70]	<70	<70	<80
Dibenz(a,h)anthracene	ug/kg	<70	<80	<80	<70	<80	<80	<70	<70	<80	<70 [<70]	<70	<70	<80
Dibenzofuran	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
Diethyl phthalate	ug/kg	<70 J	<80	<80	<70	<80	<80	<70	<70	<80	<70 [<70 J]	<70	<70	<80
Dimethyl phthalate	ug/kg	<110 B	<80	<80	<70	<80	<80	<70	<70	<80	<70 [<140 B]	<70	<70	<80
Di-n-butylphthalate	ug/kg	<70 J	<80	<80	<70	<80	<80	<70	<70	<80	<70 [<70 J]	<70	<70	<80
Di-n-octyl phthalate	ug/kg	<30 J	<40 J	<40	<40	<40	<40	<40	<40 J	<40 J	<40 J [<40 J]	<40	<40	<40
Fluoranthene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	50
Fluorene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Hexachlorobenzene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Hexachlorobutadiene	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
Hexachlorocyclopentadiene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40
Hexachloroethane	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
Indeno(1,2,3-cd)pyrene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Isophorone	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
Naphthalene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Nitrobenzene	ug/kg	<30 J	<40 J	<40	<40	<40	<40	<40 J	<40 J	<40 J	<40 J [<40 J]	<40 J	<40 J	<40
N-Nitrosodi-n-propylamine	ug/kg	<30 J	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40 J]	<40	<40	<40
N-Nitrosodiphenylamine	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Pentachlorophenol	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40 J	<40
Phenanthrene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	50
Phenol	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	<40
Pyrene	ug/kg	<30	<40	<40	<40	<40	<40	<40	<40	<40	<40 [<40]	<40	<40	40
PCBs														
Aroclor-1016 (PCB-1016)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0	<30
Aroclor-1221 (PCB-1221)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0	<30
Aroclor-1232 (PCB-1232)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0	<30
Aroclor-1242 (PCB-1242)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0	<30
Aroclor-1248 (PCB-1248)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0	<30
Aroclor-1254 (PCB-1254)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0	<30
Aroclor-1260 (PCB-1260)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0	<30
Total PCBs	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0	<30
Inorganics														
Antimony	mg/kg	<0.100	<0.110	<0.120	<0.120	<0.120	<0.120	<0.0900	<0.100	<0.120	<0.100 [<0.100]	<0.110	<0.120	<0.120
Arsenic	mg/kg	0.940	2.35	0.410	1.52	0.980	1.84	1.20	0.670	3.62	1.00 [0.740]	1.30	1.72	1.29
Barium	mg/kg	3.60	7.90	17.0	12.8	35.4	99.5	10.8	4.10	14.9	3.90 [4.20]	29.2	17.7	54.5
Beryllium	mg/kg	<0.100	<0.110	<0.120	<0.120	0.180	0.250	<0.0900	<0.100	<0.120	<0.100 [<0.100]	0.150	<0.120	0.190
Boron	mg/kg	<3.96	<4.48	<4.72	<4.72	<4.76	<4.84	<3.78	<3.82	<4.96	<3.84 [<3.86]	<4.46	<4.68	<4.62
Cadmium	mg/kg	<0.100	0.160	<0.120	<0.120	<0.120	0.140	<0.0900	<0.100	0.310	<0.100 [<0.100]	<0.110	<0.120	<0.120
Chromium Total	mg/kg	0.950	1.63	1.64	2.13	3.96	4.28	1.97	0.590	2.00	0.850 [1.02]	2.60	1.97	5.86
Cobalt	mg/kg	1.31	1.16	2.20	2.08	2.38	5.16	1.08	0.490	3.63	0.860 [0.750]	2.82	2.21	4.38
Copper	mg/kg	1.60	3.09	2.73	5.63	10.2	2.95	12.2	1.53	11.7	2.25 [1.65]	4.14	7.38	7.38
Manganese	mg/kg	206	219	274	196	219	1,130 (RDWP,GSIP)	241	73.6	307	78.9 [66.5]	204	210	259
Mercury	mg/kg	<0.00530	<0.00580	<0.00570	<0.00540	0.0202	0.0137	<0.00540	<0.00530	0.0114	<0.00530 [<0.00540]	0.0111	0.00770	0.0100
Nickel	mg/kg	5.62	5.10	6.63	6.36	5.73	5.04	4.59	2.26	10.7	2.20 [2.08]	7.04	6.35	11.1
Selenium	mg/kg	0.160	<0.110	<0.120	<0.120	0.180	<0.120	<0.120	<0.100	0.590 (GSIP)	0.130 [<0.100]	0.300	<0.120	<0.120
Silver	mg/kg	<0.100	<0.110	<0.120	<0.120	<0.120	<0.120	<0.0900	<0.100	<0.120	<0.100 [<0.100]	<0.110	<0.120	<0.120
Thallium	mg/kg	<0.100	<0.110	<0.120	<0.120	<0.120	<0.120	<0.0900	<0.100	0.220	<0.100 [<0.100]	<0.110	<0.120	<0.120
Vanadium	mg/kg	1.38	2.87	3.08	3.56	5.47	6.69	1.94	1.14	4.15	0.860 [0.730]	4.56	3.30	8.71
Lead	mg/kg	1.74	2.79	2.17	3.31	4.71	5.36	1.93	1.38	5.63	1.63 [1.23]	3.55	3.70	4.25
Zinc	mg/kg	5.27	8.34	7.98	8.03	10.0	17.1	20.7	4.09	27.2	6.50 [5.84]	8.96	17.1	15.2
Miscellaneous														
Total Solids	%	96	86	87	91	88	87	94	94	88	94 [95]	91	90	88

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 3-51 Cont.							AOI ID 3-54		Miscellaneous Item Data Gap Fillers			
Location ID:		P3-SB-19	P3-SB-21	P3-SB-21	P3-SB-22	P3-SB-22	P3-SB-27	P3-SB-27	P3-SB-20	P3-SB-20	P3-SB-14	P3-SB-14	P3-SB-14	P3-SB-15
Sample Depth(ft): Date Collected:	Units	25 - 26 08/19/11	3 - 4 08/24/11	9 - 10 08/24/11	3 - 4 08/25/11	27 - 28 08/25/11	4 - 5 08/23/11	14 - 15 08/23/11	2 - 3 08/19/11	9 - 10 08/19/11	2 - 3 08/19/11	6 - 7 08/19/11	27 - 28 08/19/11	2 - 3 08/18/11
VOCs														
1,1,1-Trichloroethane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	240	<60	<60 [<60]	<60	<60
1,1,2,2-Tetrachloroethane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
1,1,2-Trichloroethane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
1,1-Dichloroethene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	70 (RSVIA)	<60	<60 [<60]	<60	<60
1,2,4-Trichlorobenzene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<1.0	<1.0	<2.0 J	<1.0	<2.0 J	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0	<1.0
1,2-Dichlorobenzene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
1,2-Dichloropropane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
1,3-Dichlorobenzene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
1,4-Dichlorobenzene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
1,4-Dioxane	ug/kg	<300	<300	<300	<300	<300	<500	<300	<300	1,100	<300	<300 [<300]	<300	<300
2-Butanone (Methyl Ethyl Ketone)	ug/kg	<620	<690	<610	<650	<680	<1,000	<590	<630	<610	<580	<590 [<600]	<620	<620
2-Hexanone	ug/kg	<620	<690	<610	<650	<680	<1,000	<590	<630	<610	<580	<590 [<600]	<620	<620
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	<620	<690	<610	<650	<680	<1,000	<590	<630	<610	<580	<590 [<600]	<620	<620
Acetone	ug/kg	<620	<690	<610	<650	<680	<1,000	<590	<630	<610	<580	<590 [<600]	<620	<620
Bromodichloromethane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Bromoform	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Bromomethane (Methyl Bromide)	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Carbon disulfide	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Carbon tetrachloride	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Chloroform (Trichloromethane)	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Chloromethane (Methyl Chloride)	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
cis-1,3-Dichloropropene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Cyclohexane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Dibromochloromethane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Dichlorodifluoromethane (CFC-12)	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Isopropylbenzene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
m&p-Xylene	ug/kg	<100	<100	<100	<100	<100	<200	<100	<100	<100	<100	<100 [<100]	<100	<100
Methyl acetate	ug/kg	<620	<690	<610	<650	<680	<1,000	<590	<630	<610	<580	<590 [<600]	<620	<620
Methyl cyclohexane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Methyl Tert Butyl Ether	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Styrene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Tetrachloroethene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
trans-1,3-Dichloropropene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Trichloroethene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Trichlorofluoromethane (CFC-11)	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Trifluorotrchloroethane (Freon 113)	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
1,1-Dichloroethane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	70	<60	<60 [<60]	<60	<60
1,2-Dichloroethane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
cis-1,2-Dichloroethene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
trans-1,2-Dichloroethene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Benzene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Chlorobenzene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Chloroethane	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Ethylbenzene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Methylene chloride	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Toluene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
Vinyl chloride	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
o-Xylene	ug/kg	<60	<70	<60	<60	<70	<100	<60	<60	<60	<60	<60 [<60]	<60	<60
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	<40	<40	<40	<40	<40	<50 J	<30 J	<40 J	<40 J	<40	<40 [<40]	<40	<40
2,4,5-Trichlorophenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2,4,6-Trichlorophenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2,4-Dichlorophenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2,4-Dimethylphenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2,4-Dinitrophenol	ug/kg	<40 J	<40	<40	<40	<40	<50	<30	<40	<40	<40 J	<40 J [<40 J]	<40 J	<40 J
2,4-Dinitrotoluene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2,6-Dinitrotoluene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2-Chloronaphthalene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2-Chlorophenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2-Methylnaphthalene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2-Methylphenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
2-Nitrophenol	ug/kg	<40	<40	<40	<40	<40	<50 J	<30 J	<40 J	<40 J	<40	<40 [<40]	<40	<40
3&4-Methylphenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
3,3'-Dichlorobenzidine	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
3-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
4,6-Dinitro-2-methylphenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
4-Bromophenyl phenyl ether	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
4-Chloro-3-methylphenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
4-Chloroaniline	ug/kg	<40 J	<40	<40	<40	<40	<50	<30	<40	<40	<40 J	<40 J [<40 J]	<40 J	<40 J

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		AOI 3-51 Cont.							AOI ID 3-54		Miscellaneous Item Data Gap Fillers			
Location ID:		P3-SB-19	P3-SB-21	P3-SB-21	P3-SB-22	P3-SB-22	P3-SB-27	P3-SB-27	P3-SB-20	P3-SB-20	P3-SB-14	P3-SB-14	P3-SB-14	P3-SB-15
Sample Depth(ft): Date Collected:	Units	25 - 26 08/19/11	3 - 4 08/24/11	9 - 10 08/24/11	3 - 4 08/25/11	27 - 28 08/25/11	4 - 5 08/23/11	14 - 15 08/23/11	2 - 3 08/19/11	9 - 10 08/19/11	2 - 3 08/19/11	6 - 7 08/19/11	27 - 28 08/19/11	2 - 3 08/18/11
SVOCs Cont.														
4-Chlorophenyl phenyl ether	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
4-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
4-Nitrophenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Acenaphthene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Acenaphthylene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Acetophenone	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Anthracene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Atrazine	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Benzaldehyde	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Benzo(a)anthracene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Benzo(a)pyrene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Benzo(b)fluoranthene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Benzo(g,h,i)perylene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Benzo(k)fluoranthene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Biphenyl	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
bis(2-Chloroethoxy)methane	ug/kg	<40	<40	<40	<40	<40	<50 J	<30 J	<40 J	<40 J	<40	<40 [<40]	<40	<40
bis(2-Chloroethyl)ether	ug/kg	<40	<40	<40	<40	<40	<50 J	<30 J	<40 J	<40 J	<40	<40 [<40]	<40	<40
bis(2-Ethylhexyl)phthalate	ug/kg	<40	<40	70	50	50	<50 J	<30 J	<40	<40	<40	<40 [<40]	<40	<40
Butyl benzylphthalate	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Caprolactam	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Carbazole	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Chrysene	ug/kg	<70	<80	<70	<70	<80	<100	<70	<70	<70	<70	<70 [<70]	<70	<70
Dibenz(a,h)anthracene	ug/kg	<70	<80	<70	<70	<80	<100	<70	<70	<70	<70	<70 [<70]	<70	<70
Dibenzofuran	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Diethyl phthalate	ug/kg	<70	<80	<70	<70	<80	<100	<70	<70	<70	<70	<70 [<70]	<70	<70
Dimethyl phthalate	ug/kg	<70	<80	<70	<70	<80	<100	<70	<70	<70	<70	<70 [<70]	<70	<70
Di-n-butylphthalate	ug/kg	<70	<80	<70	<70	<80	<100	<70	<70	<70	<70	<70 [<70]	<70	<70
Di-n-octyl phthalate	ug/kg	<40	<40	<40	<40	<40	<50 J	<30 J	<40	<40	<40	<40 [<40]	<40	<40
Fluoranthene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Fluorene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Hexachlorobenzene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Hexachlorobutadiene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Hexachlorocyclopentadiene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Hexachloroethane	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Indeno(1,2,3-cd)pyrene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Isophorone	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Naphthalene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Nitrobenzene	ug/kg	<40	<40	<40	<40	<40	<50 J	<30 J	<40 J	<40 J	<40	<40 [<40]	<40	<40
N-Nitrosodi-n-propylamine	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
N-Nitrosodiphenylamine	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Pentachlorophenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Phenanthrene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Phenol	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
Pyrene	ug/kg	<40	<40	<40	<40	<40	<50	<30	<40	<40	<40	<40 [<40]	<40	<40
PCBs														
Aroclor-1016 (PCB-1016)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
Aroclor-1221 (PCB-1221)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
Aroclor-1232 (PCB-1232)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
Aroclor-1242 (PCB-1242)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
Aroclor-1248 (PCB-1248)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
Aroclor-1254 (PCB-1254)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
Aroclor-1260 (PCB-1260)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
Total PCBs	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 [<3.0]	<3.0	<3.0
Inorganics														
Antimony	mg/kg	<0.120	<0.120	<0.120	<0.120	<0.130	0.320	<0.100	<0.110	<0.120	<0.100	<0.110 [<0.110]	<0.110	<0.120
Arsenic	mg/kg	3.09	1.75	2.24	1.19	2.49	37.5 (RDWP,GSIP,RDC)	0.950	1.06	0.880	0.820	0.950 [0.930]	2.17	1.18
Barium	mg/kg	20.9	9.90	12.1	32.9	13.3	226	3.40	35.2	32.8	12.2	17.3 [19.2]	15.5	28.2
Beryllium	mg/kg	0.130	<0.120	<0.120	<0.150	<0.130	5.75	<0.100	0.160	0.180	<0.100	<0.110 [<0.110]	0.140	0.170
Boron	mg/kg	<4.72	<5.00	<4.76	<4.90	<5.08	17.1 (RDWP)	<3.92	<4.44	<4.68	<4.28	<4.28 [<4.28]	<4.26	<4.84
Cadmium	mg/kg	0.120	<0.120	<0.120	<0.120	0.210	0.430	<0.100	<0.110	<0.120	<0.100	<0.110 [<0.110]	0.160	<0.120
Chromium Total	mg/kg	3.74	3.02	2.37	2.69	2.21	29.6	0.500	6.39	5.11	3.37	3.35 [3.29]	3.76	5.52
Cobalt	mg/kg	2.84	1.21	2.27	2.43	2.65	16.4 (RDWP,GSIP)	0.660	4.97	3.51	1.70	2.31[2.59]	3.55	3.69
Copper	mg/kg	8.21	4.55	7.24	3.67	8.43	51.1	1.19	5.54	5.82	2.58	3.28 [3.23]	9.23	10.3
Manganese	mg/kg	230	178	225	205	256	68.5	86.0	283	238	126	193 [252]	273	245
Mercury	mg/kg	0.00600	<0.00600	0.00660	0.0279	0.00740	0.0389	<0.00510	0.0103	0.0257	<0.00540	0.00710 [<0.00560]	0.00860	0.0113
Nickel	mg/kg	7.75	3.84	7.06	5.58	8.69	32.9	2.14	11.1	9.82	4.45	5.83 [6.69]	9.81	9.09
Selenium	mg/kg	0.130	0.590 (GSIP)	<0.120	0.130	0.410	5.41 (RDWP,GSIP)	0.100	<0.110	<0.120	<0.100	0.210 [0.140]	<0.110	<0.120
Silver	mg/kg	<0.120	<0.120	<0.120	<0.120	<0.130	<0.160	<0.100	<0.110	<0.120	<0.100	<0.110 [<0.110]	<0.110	<0.120
Thallium	mg/kg	<0.120	<0.120	<0.120	<0.120	<0.130	1.32	<0.100	<0.110	<0.120	<0.100	<0.110 [<0.110]	0.130	<0.120
Vanadium	mg/kg	5.97	3.90	3.90	4.92	4.10	83.4 (RDWP)	0.790	8.93	7.68	3.09	4.50 [4.48]	6.01	9.05
Lead	mg/kg	4.16	2.68	3.44	3.61	4.25	22.7	1.12	4.26	3.73	2.09	2.58 [2.78]	4.68	5.32
Zinc	mg/kg	22.0	5.80	11.7	8.08	19.7	47.9	4.87	12.9	13.4	5.35	9.13 [8.41]	20.6	17.0
Miscellaneous														
Total Solids	%	89	84	91	89	85	69	96	90	89	94	91 [91]	90	90

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Miscellaneous Item Data Gap Fillers														
Location ID:		P3-SB-15	P3-SB-15	P3-SB-08	P3-SB-08	P3-SB-08	P3-SB-09	P3-SB-09	P3-SB-09	P3-SB-10	P3-SB-10	P3-SB-10	P3-SB-07	P3-SB-07
Sample Depth(ft): Date Collected:	Units	11 - 12 08/18/11	26 - 27 08/18/11	2 - 3 08/16/11	11 - 12 08/16/11	29 - 30 08/16/11	2 - 3 08/16/11	17 - 18 08/16/11	25 - 26 08/16/11	2 - 3 08/17/11	22 - 23 08/17/11	28 - 29 08/17/11	4 - 5 08/15/11	29 - 30 08/15/11
VOCs														
1,1,1-Trichloroethane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,1,2,2-Tetrachloroethane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,1,2-Trichloroethane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,1-Dichloroethene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,2,4-Trichlorobenzene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	<3.0	<3.0	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,2-Dichloropropane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,3-Dichlorobenzene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,4-Dichlorobenzene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,4-Dioxane	ug/kg	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
2-Butanone (Methyl Ethyl Ketone)	ug/kg	<660	<590	<610	<590	<590	<620	<560	<590	<570	<530	<640	<640	<620
2-Hexanone	ug/kg	<660	<590	<610	<590	<590	<620	<560	<590	<570	<530	<640	<640	<620
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	<660	<590	<610	<590	<590	<620	<560	<590	<570	<530	<640	<640	<620
Acetone	ug/kg	<660	<590	<610	<590	<590	<620	<560	<590	<570	<530	<640	<640	<620
Bromodichloromethane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Bromoform	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Bromomethane (Methyl Bromide)	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Carbon disulfide	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Carbon tetrachloride	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Chloroform (Trichloromethane)	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Chloromethane (Methyl Chloride)	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
cis-1,3-Dichloropropene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Cyclohexane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Dibromochloromethane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Dichlorodifluoromethane (CFC-12)	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60 J	<60 J
Isopropylbenzene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
m&p-Xylene	ug/kg	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methyl acetate	ug/kg	<660	<590	<610	<590	<590	<620	<560	<590	<570	<530	<640	<640	<620
Methyl cyclohexane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Methyl Tert Butyl Ether	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Styrene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Tetrachloroethene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
trans-1,3-Dichloropropene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Trichloroethene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Trichlorofluoromethane (CFC-11)	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Trifluorotrichloroethane (Freon 113)	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,1-Dichloroethane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
1,2-Dichloroethane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
cis-1,2-Dichloroethene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
trans-1,2-Dichloroethene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Benzene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Chlorobenzene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Chloroethane	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Ethylbenzene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Methylene chloride	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Toluene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
Vinyl chloride	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
o-Xylene	ug/kg	<70	<60	<60	<60	<60	<60	<60	<60	<60	<50	<60	<60	<60
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2,4,5-Trichlorophenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2,4,6-Trichlorophenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2,4-Dichlorophenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2,4-Dimethylphenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2,4-Dinitrophenol	ug/kg	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<30 J	<40 J	<40	<40
2,4-Dinitrotoluene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2,6-Dinitrotoluene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2-Chloronaphthalene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2-Chlorophenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2-Methylnaphthalene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2-Methylphenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<500
2-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
2-Nitrophenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
3&4-Methylphenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<500
3,3'-Dichlorobenzidine	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
3-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
4,6-Dinitro-2-methylphenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
4-Bromophenyl phenyl ether	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
4-Chloro-3-methylphenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
4-Chloroaniline	ug/kg	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	<30 J	<40 J	<40	<40

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Miscellaneous Item Data Gap Fillers														
Location ID:		P3-SB-15	P3-SB-15	P3-SB-08	P3-SB-08	P3-SB-08	P3-SB-09	P3-SB-09	P3-SB-09	P3-SB-10	P3-SB-10	P3-SB-10	P3-SB-07	P3-SB-07
Sample Depth(ft): Date Collected:	Units	11 - 12 08/18/11	26 - 27 08/18/11	2 - 3 08/16/11	11 - 12 08/16/11	29 - 30 08/16/11	2 - 3 08/16/11	17 - 18 08/16/11	25 - 26 08/16/11	2 - 3 08/17/11	22 - 23 08/17/11	28 - 29 08/17/11	4 - 5 08/15/11	29 - 30 08/15/11
SVOCs Cont.														
4-Chlorophenyl phenyl ether	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
4-Nitroaniline	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
4-Nitrophenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Acenaphthene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Acenaphthylene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Acetophenone	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Anthracene	ug/kg	<40	<40	<40	60	<40	<40	<40	<40	<40	<30	<40	<40	<40
Atrazine	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Benzaldehyde	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Benzo(a)anthracene	ug/kg	<40	<40	100	360	<40	<40	<40	<40	<40	<30	<40	<40	<40
Benzo(a)pyrene	ug/kg	<40	<40	80	360	<40	<40	<40	<40	<40	<30	<40	<40	<40
Benzo(b)fluoranthene	ug/kg	<40	<40	70	320	<40	<40	<40	<40	<40	<30	<40	<40	<40
Benzo(g,h,i)perylene	ug/kg	<40	<40	60	190	<40	<40	<40	<40	<40	<30	<40	<40	<40
Benzo(k)fluoranthene	ug/kg	<40	<40	80	310	<40	<40	<40	<40	<40	<30	<40	<40	<40
Biphenyl	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
bis(2-Chloroethoxy)methane	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
bis(2-Chloroethyl)ether	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
bis(2-Ethylhexyl)phthalate	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Butyl benzylphthalate	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Caprolactam	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Carbazole	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Chrysene	ug/kg	<80	<70	130	480	<70	<70	<70	<70	<70	<70	<70	<80	<70
Dibenz(a,h)anthracene	ug/kg	<80	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	<80	<70
Dibenzofuran	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Diethyl phthalate	ug/kg	<80	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	<80	<70
Dimethyl phthalate	ug/kg	<80	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	<80	<70
Di-n-butylphthalate	ug/kg	<80	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	<80	<70
Di-n-octyl phthalate	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Fluoranthene	ug/kg	<40	<40	240	820	<40	<40	<40	<40	<40	<30	<40	<40	<40
Fluorene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Hexachlorobenzene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Hexachlorobutadiene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Hexachlorocyclopentadiene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Hexachloroethane	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Indeno(1,2,3-cd)pyrene	ug/kg	<40	<40	50	180	<40	<40	<40	<40	<40	<30	<40	<40	<40
Isophorone	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Naphthalene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Nitrobenzene	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
N-Nitrosodi-n-propylamine	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
N-Nitrosodiphenylamine	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Pentachlorophenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Phenanthrene	ug/kg	<40	<40	100	200	<40	<40	<40	<40	<40	<30	<40	<40	<40
Phenol	ug/kg	<40	<40	<40	<40	<40	<40	<40	<40	<40	<30	<40	<40	<40
Pyrene	ug/kg	<40	<40	190	690	<40	<40	<40	<40	<40	<30	<40	<40	<40
PCBs														
Aroclor-1016 (PCB-1016)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Aroclor-1221 (PCB-1221)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Aroclor-1232 (PCB-1232)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Aroclor-1242 (PCB-1242)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Aroclor-1248 (PCB-1248)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Aroclor-1254 (PCB-1254)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Aroclor-1260 (PCB-1260)	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total PCBs	ug/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Inorganics														
Antimony	mg/kg	<0.120	<0.120	<0.120	<0.120	<0.110	<0.120	<0.110	<0.120	<0.120	<0.110	<0.120	<0.120	<0.120
Arsenic	mg/kg	0.640	1.58	1.00	0.900	0.990	1.00	0.380	1.43	0.920	0.670	2.87	0.530	1.80
Barium	mg/kg	23.1	14.5	23.7	19.4	17.5	29.1	3.85	21.8	15.7	4.89	11.6	38.2	14.9
Beryllium	mg/kg	0.200	<0.120	0.140	0.120	<0.110	0.140	<0.110	<0.120	<0.120	<0.110	<0.120	0.290	<0.120
Boron	mg/kg	<4.62	<4.66	<4.60	<4.62	<4.34	<4.86	<4.28	<4.82	<4.66	<4.28	<4.80	<4.82	<4.76
Cadmium	mg/kg	<0.120	<0.120	<0.120	<0.120	<0.110	<0.120	<0.110	<0.120	<0.120	<0.110	<0.120	<0.120	<0.120
Chromium Total	mg/kg	4.95	3.11	2.22	2.97	1.62	1.98	0.970	2.75	2.09	2.46	2.40	1.66 J	1.61 J
Cobalt	mg/kg	3.73	2.46	2.68	2.03	1.28	3.05	0.640	3.27	1.54	0.390	1.88	3.13	1.83
Copper	mg/kg	11.8	7.53	2.54	3.53	5.43	24.1	1.26	8.29	1.99	0.950	6.43	3.72	6.10
Manganese	mg/kg	440	214	212	157	173	238	78.4	177	201	57.7	265	119	186
Mercury	mg/kg	0.0106	<0.00520	0.00980	0.00850	0.00720	0.0141	<0.00530	0.0124	0.00660	<0.00510	0.00950	0.0221	0.00790
Nickel	mg/kg	8.97	7.01	5.45	5.91	4.61	5.68	2.14	10.4	4.94	1.83	7.04	2.76	5.28
Selenium	mg/kg	<0.120	0.260	<0.120	<0.120	0.150	<0.120	<0.110	0.250	<0.120	<0.110	<0.120	<0.120	0.140
Silver	mg/kg	<0.120	<0.120	<0.120	<0.120	<0.110	<0.120	<0.110	<0.120	<0.120	<0.110	<0.120	<0.120	<0.120
Thallium	mg/kg	<0.120	<0.120	<0.120	<0.120	<0.110	<0.120	<0.110	<0.120	<0.120	<0.110	<0.120	<0.120	<0.120
Vanadium	mg/kg	9.55	5.75	4.05	3.75	2.29	3.91	0.850	3.32	2.65	0.820	3.83	3.54 J	2.54 J
Lead	mg/kg	5.34	3.63	2.83	2.79	2.88	3.54	0.840	3.36	1.87	0.760	3.91	4.33	3.51
Zinc	mg/kg	16.7	12.4	5.46	6.94	7.70	5.88	1.66	5.40	4.01	1.80	10.9	6.30	9.54
Miscellaneous														
Total Solids	%	88	91	90	91	92	89	95	91	92	98	89	88	90

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		Background Samples												
Location ID:		P3-SB-01	P3-SB-01	P3-SB-01	P3-SB-02	P3-SB-02	P3-SB-03	P3-SB-03	P3-SB-03	P3-SB-03	P3-SB-04	P3-SB-04	P3-SB-34	P3-SB-34
Sample Depth(ft): Date Collected:	Units	5 - 6 08/10/11	13 - 14 08/10/11	19 - 20 08/10/11	13 - 14 08/11/11	22 - 23 08/11/11	6 - 7 08/10/11	15 - 16 08/10/11	24 - 25 08/10/11	29 - 30 08/10/11	5 - 6 08/11/11	15 - 16 08/11/11	4 - 5 08/17/11	17 - 18 08/17/11
VOCs														
1,1,1-Trichloroethane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,1-Dichloroethene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	NA	NA	NA	NA	NA	<3.0 J	<3.0 J	<3.0 J	<3.0 J	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,2-Dichloropropane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,4-Dioxane	ug/kg	NA	NA	NA	NA	NA	<300	<300	<300	<300	NA	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	ug/kg	NA	NA	NA	NA	NA	<640	<630	<640	<580	NA	NA	NA	NA
2-Hexanone	ug/kg	NA	NA	NA	NA	NA	<640	<630	<640	<580	NA	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	NA	NA	NA	NA	NA	<640	<630	<640	<580	NA	NA	NA	NA
Acetone	ug/kg	NA	NA	NA	NA	NA	<640	<630	<640	<580	NA	NA	NA	NA
Bromodichloromethane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Bromoform	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Bromomethane (Methyl Bromide)	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Carbon disulfide	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Carbon tetrachloride	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Chloroform (Trichloromethane)	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Chloromethane (Methyl Chloride)	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Cyclohexane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Dibromochloromethane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Isopropylbenzene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
m&p-Xylene	ug/kg	NA	NA	NA	NA	NA	<100	<100	<100	<100	NA	NA	NA	NA
Methyl acetate	ug/kg	NA	NA	NA	NA	NA	<640	<630	<640	<580	NA	NA	NA	NA
Methyl cyclohexane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Methyl Tert Butyl Ether	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Styrene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Tetrachloroethene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Trichloroethene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Trifluorotrichloroethane (Freon 113)	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,1-Dichloroethane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
1,2-Dichloroethane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
trans-1,2-Dichloroethene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Benzene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Chlorobenzene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Chloroethane	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Ethylbenzene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Methylene chloride	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Toluene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
Vinyl chloride	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
o-Xylene	ug/kg	NA	NA	NA	NA	NA	<60	<60	<60	<60	NA	NA	NA	NA
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2,4-Dichlorophenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2,4-Dimethylphenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2,4-Dinitrophenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2-Chloronaphthalene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2-Chlorophenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2-Methylnaphthalene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2-Methylphenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2-Nitroaniline	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
2-Nitrophenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
3&4-Methylphenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
3-Nitroaniline	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ug/kg	NA	NA	NA	NA	NA	<40 J	<40 J	<40 J	<40 J	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
4-Chloro-3-methylphenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
4-Chloroaniline	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

		Background Samples												
Location ID:		P3-SB-01	P3-SB-01	P3-SB-01	P3-SB-02	P3-SB-02	P3-SB-03	P3-SB-03	P3-SB-03	P3-SB-03	P3-SB-04	P3-SB-04	P3-SB-34	P3-SB-34
Sample Depth(ft): Date Collected:	Units	5 - 6 08/10/11	13 - 14 08/10/11	19 - 20 08/10/11	13 - 14 08/11/11	22 - 23 08/11/11	6 - 7 08/10/11	15 - 16 08/10/11	24 - 25 08/10/11	29 - 30 08/10/11	5 - 6 08/11/11	15 - 16 08/11/11	4 - 5 08/17/11	17 - 18 08/17/11
SVOCs Cont.														
4-Chlorophenyl phenyl ether	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
4-Nitroaniline	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
4-Nitrophenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Acenaphthene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Acenaphthylene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Acetophenone	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Anthracene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Atrazine	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Benzaldehyde	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Benzo(a)anthracene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Benzo(a)pyrene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Biphenyl	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Butyl benzylphthalate	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Caprolactam	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Carbazole	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Chrysene	ug/kg	NA	NA	NA	NA	NA	<80	<70	<70	<40	NA	NA	NA	NA
Dibenz(a,h)anthracene	ug/kg	NA	NA	NA	NA	NA	<80	<70	<70	<40	NA	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Diethyl phthalate	ug/kg	NA	NA	NA	NA	NA	<80	<70	<70	<40	NA	NA	NA	NA
Dimethyl phthalate	ug/kg	NA	NA	NA	NA	NA	<80	<70	<70	<40	NA	NA	NA	NA
Di-n-butylphthalate	ug/kg	NA	NA	NA	NA	NA	<80	<70	<70	<40	NA	NA	NA	NA
Di-n-octyl phthalate	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Fluoranthene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Fluorene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Hexachlorobenzene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Hexachlorobutadiene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Hexachloroethane	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Isophorone	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Naphthalene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Nitrobenzene	ug/kg	NA	NA	NA	NA	NA	<40 J	<40 J	<40 J	<40 J	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Pentachlorophenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Phenanthrene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Phenol	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
Pyrene	ug/kg	NA	NA	NA	NA	NA	<40	<40	<40	<40	NA	NA	NA	NA
PCBs														
Aroclor-1016 (PCB-1016)	ug/kg	NA	NA	NA	NA	NA	<3.0	<6.0	<3.0	<3.0	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	ug/kg	NA	NA	NA	NA	NA	<3.0	<6.0	<3.0	<3.0	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	ug/kg	NA	NA	NA	NA	NA	<3.0	<6.0	<3.0	<3.0	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	ug/kg	NA	NA	NA	NA	NA	<3.0	<6.0	<3.0	<3.0	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	ug/kg	NA	NA	NA	NA	NA	<3.0	<6.0	<3.0	<3.0	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	ug/kg	NA	NA	NA	NA	NA	<3.0	20	<3.0	<3.0	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	ug/kg	NA	NA	NA	NA	NA	<3.0	<6.0	<3.0	<3.0	NA	NA	NA	NA
Total PCBs	ug/kg	NA	NA	NA	NA	NA	<3.0	20	<3.0	<3.0	NA	NA	NA	NA
Inorganics														
Antimony	mg/kg	<0.110	<0.120	<0.110 [<0.110]	<0.110	<0.110	<0.110	<0.120	<0.110	<0.110	<0.110	<0.100	<0.120 [<0.120]	<0.120
Arsenic	mg/kg	1.06	1.26	0.930 [0.910]	1.72	1.32	0.880	2.23	2.39	0.920	1.33	0.850	0.360 [0.400]	1.95
Barium	mg/kg	20.7	34.2	15.7 [15.2]	15.9	22.0	24.4	10.6	7.89	6.12	17.8	11.9	18.3 [16.4]	15.4
Beryllium	mg/kg	0.150	0.260	0.110 [0.120]	0.150	0.110	0.240	0.120	<0.110	<0.110	0.140	0.100	0.150 [0.130]	<0.120
Boron	mg/kg	<3.94	<4.78	<4.56 [<4.56]	<4.28	<4.32	<4.58	<4.60	<4.32	<4.26	<4.48	<4.22	<4.82 [<4.76]	<4.84
Cadmium	mg/kg	<0.110	0.160	<0.110 [<0.110]	<0.110	<0.110	0.150	<0.120	0.110	<0.110	<0.110	0.100	<0.120 [<0.120]	0.140
Chromium Total	mg/kg	2.04	5.1	2.34 [2.55]	3.7	2.12	6.03	2.14	2.25	2.25	3.20	1.86	2.85 [2.73]	2.12
Cobalt	mg/kg	2.81	4.59	2.77 [2.60]	2.51	2.87	3.47	2.62	1.68	0.630	3.19	2.32	1.09 [0.960]	1.81
Copper	mg/kg	2.81	14.6	4.11 [4.42]	8.21	5.91	9.66	8.02	4.95	5.68	3.17	4.59	7.98 [7.56]	7.42
Manganese	mg/kg	216	311	184 [188]	224	215	273	228	192	113	251	163	175 [191]	268
Mercury	mg/kg	0.00780	0.0116	0.00740 [0.00690]	0.00760	0.00710	0.0110	0.00820	<0.00530	<0.00530	0.0102	0.00700	0.00580 [<0.00580]	0.00750
Nickel	mg/kg	6.21	13.1	5.55 [6.02]	8.81	7.39	10.6	8.27	5.74	4.09	6.27	5.99	4.39 [4.16]	6.40
Selenium	mg/kg	0.190	0.270	<0.110 [<0.110]	0.220	<0.110	0.300	0.140	<0.110	<0.110	0.130	0.280	0.340 [0.170]	0.390
Silver	mg/kg	<0.110	<0.120	<0.110 [<0.110]	<0.110	<0.110	<0.110	<0.120	<0.110	<0.110	<0.110	<0.100	<0.120 [<0.120]	<0.120
Thallium	mg/kg	<0.110	0.130	<0.110 [<0.110]	<0.110	<0.110	<0.110	<0.120	<0.110	<0.110	<0.110	<0.100	<0.120 [<0.120]	<0.120
Vanadium	mg/kg	4.29	7.67	4.04 [4.10]	3.34	3.41	7.62	4.27	3.42	3.18	5.06	3.60	7.84 [7.22]	4.12
Lead	mg/kg	3.57	6.77	2.96 [2.78]	3.95	3.41	5.13	3.96	2.66	2.49	3.29	2.81	4.39 [4.00]	4.27
Zinc	mg/kg	5.60	20.7	7.79 [8.56]	10.0	9.91	16.2	18.4	24.2	7.51	6.10	9.74	7.69 [7.41]	20.5
Miscellaneous														
Total Solids	%	89	87	90 [90]	89	90	87	89	90	94	90	89	88 [88]	90

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Background Samples					
Location ID:		P3-SB-34	P3-SB-35	P3-SB-35	P3-SB-35
Sample Depth(ft): Date Collected:	Units	26 - 27 08/17/11	2 - 3 08/17/11	13 - 14 08/17/11	21 - 22 08/17/11
VOCs					
1,1,1-Trichloroethane	ug/kg	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/kg	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/kg	NA	NA	NA	NA
1,1-Dichloroethene	ug/kg	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/kg	NA	NA	NA	NA
1,2-Dichloropropane	ug/kg	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/kg	NA	NA	NA	NA
1,4-Dioxane	ug/kg	NA	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	ug/kg	NA	NA	NA	NA
2-Hexanone	ug/kg	NA	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	NA	NA	NA	NA
Acetone	ug/kg	NA	NA	NA	NA
Bromodichloromethane	ug/kg	NA	NA	NA	NA
Bromoform	ug/kg	NA	NA	NA	NA
Bromomethane (Methyl Bromide)	ug/kg	NA	NA	NA	NA
Carbon disulfide	ug/kg	NA	NA	NA	NA
Carbon tetrachloride	ug/kg	NA	NA	NA	NA
Chloroform (Trichloromethane)	ug/kg	NA	NA	NA	NA
Chloromethane (Methyl Chloride)	ug/kg	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/kg	NA	NA	NA	NA
Cyclohexane	ug/kg	NA	NA	NA	NA
Dibromochloromethane	ug/kg	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	NA	NA	NA	NA
Isopropylbenzene	ug/kg	NA	NA	NA	NA
m&p-Xylene	ug/kg	NA	NA	NA	NA
Methyl acetate	ug/kg	NA	NA	NA	NA
Methyl cyclohexane	ug/kg	NA	NA	NA	NA
Methyl Tert Butyl Ether	ug/kg	NA	NA	NA	NA
Styrene	ug/kg	NA	NA	NA	NA
Tetrachloroethene	ug/kg	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/kg	NA	NA	NA	NA
Trichloroethene	ug/kg	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	ug/kg	NA	NA	NA	NA
Trifluorotrichloroethane (Freon 113)	ug/kg	NA	NA	NA	NA
1,1-Dichloroethane	ug/kg	NA	NA	NA	NA
1,2-Dichloroethane	ug/kg	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/kg	NA	NA	NA	NA
trans-1,2-Dichloroethene	ug/kg	NA	NA	NA	NA
Benzene	ug/kg	NA	NA	NA	NA
Chlorobenzene	ug/kg	NA	NA	NA	NA
Chloroethane	ug/kg	NA	NA	NA	NA
Ethylbenzene	ug/kg	NA	NA	NA	NA
Methylene chloride	ug/kg	NA	NA	NA	NA
Toluene	ug/kg	NA	NA	NA	NA
Vinyl chloride	ug/kg	NA	NA	NA	NA
o-Xylene	ug/kg	NA	NA	NA	NA
SVOCs					
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl	ug/kg	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/kg	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/kg	NA	NA	NA	NA
2,4-Dichlorophenol	ug/kg	NA	NA	NA	NA
2,4-Dimethylphenol	ug/kg	NA	NA	NA	NA
2,4-Dinitrophenol	ug/kg	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/kg	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/kg	NA	NA	NA	NA
2-Chloronaphthalene	ug/kg	NA	NA	NA	NA
2-Chlorophenol	ug/kg	NA	NA	NA	NA
2-Methylnaphthalene	ug/kg	NA	NA	NA	NA
2-Methylphenol	ug/kg	NA	NA	NA	NA
2-Nitroaniline	ug/kg	NA	NA	NA	NA
2-Nitrophenol	ug/kg	NA	NA	NA	NA
3&4-Methylphenol	ug/kg	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ug/kg	NA	NA	NA	NA
3-Nitroaniline	ug/kg	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ug/kg	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/kg	NA	NA	NA	NA
4-Chloro-3-methylphenol	ug/kg	NA	NA	NA	NA
4-Chloroaniline	ug/kg	NA	NA	NA	NA

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Background Samples					
Location ID:		P3-SB-34	P3-SB-35	P3-SB-35	P3-SB-35
Sample Depth(ft): Date Collected:	Units	26 - 27 08/17/11	2 - 3 08/17/11	13 - 14 08/17/11	21 - 22 08/17/11
SVOCs Cont.					
4-Chlorophenyl phenyl ether	ug/kg	NA	NA	NA	NA
4-Nitroaniline	ug/kg	NA	NA	NA	NA
4-Nitrophenol	ug/kg	NA	NA	NA	NA
Acenaphthene	ug/kg	NA	NA	NA	NA
Acenaphthylene	ug/kg	NA	NA	NA	NA
Acetophenone	ug/kg	NA	NA	NA	NA
Anthracene	ug/kg	NA	NA	NA	NA
Atrazine	ug/kg	NA	NA	NA	NA
Benzaldehyde	ug/kg	NA	NA	NA	NA
Benzo(a)anthracene	ug/kg	NA	NA	NA	NA
Benzo(a)pyrene	ug/kg	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/kg	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/kg	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/kg	NA	NA	NA	NA
Biphenyl	ug/kg	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/kg	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/kg	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/kg	NA	NA	NA	NA
Butyl benzylphthalate	ug/kg	NA	NA	NA	NA
Caprolactam	ug/kg	NA	NA	NA	NA
Carbazole	ug/kg	NA	NA	NA	NA
Chrysene	ug/kg	NA	NA	NA	NA
Dibenz(a,h)anthracene	ug/kg	NA	NA	NA	NA
Dibenzofuran	ug/kg	NA	NA	NA	NA
Diethyl phthalate	ug/kg	NA	NA	NA	NA
Dimethyl phthalate	ug/kg	NA	NA	NA	NA
Di-n-butylphthalate	ug/kg	NA	NA	NA	NA
Di-n-octyl phthalate	ug/kg	NA	NA	NA	NA
Fluoranthene	ug/kg	NA	NA	NA	NA
Fluorene	ug/kg	NA	NA	NA	NA
Hexachlorobenzene	ug/kg	NA	NA	NA	NA
Hexachlorobutadiene	ug/kg	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/kg	NA	NA	NA	NA
Hexachloroethane	ug/kg	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/kg	NA	NA	NA	NA
Isophorone	ug/kg	NA	NA	NA	NA
Naphthalene	ug/kg	NA	NA	NA	NA
Nitrobenzene	ug/kg	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/kg	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/kg	NA	NA	NA	NA
Pentachlorophenol	ug/kg	NA	NA	NA	NA
Phenanthrene	ug/kg	NA	NA	NA	NA
Phenol	ug/kg	NA	NA	NA	NA
Pyrene	ug/kg	NA	NA	NA	NA
PCBs					
Aroclor-1016 (PCB-1016)	ug/kg	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	ug/kg	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	ug/kg	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	ug/kg	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	ug/kg	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	ug/kg	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	ug/kg	NA	NA	NA	NA
Total PCBs	ug/kg	NA	NA	NA	NA
Inorganics					
Antimony	mg/kg	<0.120	<0.110	<0.120	<0.120
Arsenic	mg/kg	1.89	0.870	1.72	0.900
Barium	mg/kg	13.2	47.0	36.7	21.5
Beryllium	mg/kg	<0.120	0.250	0.210	0.120
Boron	mg/kg	<4.60	<4.26	<4.68	<4.72
Cadmium	mg/kg	<0.120	<0.110	0.160	<0.120
Chromium Total	mg/kg	1.78	2.76	3.88	2.74
Cobalt	mg/kg	1.66	2.97	4.53	2.91
Copper	mg/kg	6.60	6.93	12.5	4.95
Manganese	mg/kg	213	295	270	221
Mercury	mg/kg	0.00760	0.0245	0.0119	0.00770
Nickel	mg/kg	5.21	4.51	11.5	7.09
Selenium	mg/kg	0.120	0.130	0.370	0.200
Silver	mg/kg	<0.120	<0.110	<0.120	<0.120
Thallium	mg/kg	<0.120	<0.110	0.120	<0.120
Vanadium	mg/kg	3.13	5.77	6.25	4.43
Lead	mg/kg	3.36	7.00	6.34	3.26
Zinc	mg/kg	14.8	7.76	21.1	11.9
Miscellaneous					
Total Solids	%	90	90	87	90

TABLE 3.2
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Notes:

- 1. Shading indicates result exceeding one or more MDEQ Part 201 Generic Cleanup Criteria and Screening Levels, Dated March 25, 2011.
- 2. Bold fonts represent data where detections were noted above the MDL but below MDEQ Part 201 Generic Cleanup Criteria.
- 3. Data shown in [] represent duplicate sample analytical results.

mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
RDWP - Residential Drinking water Protection Criteria
GSIP - Groundwater Surface Water Interface Protection
RBSL - Risk Based Screening Levels
NREPA - Natural Resources and Environmental Protection Act

Data Qualifiers:

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.
F = Criterion is based on adverse impacts to plant life and phytotoxicity
L = Criteria is derived using a biologically based model, as allowed for under Section 20120a(10) of NREPA, and are not calculated using the algorithms and assumption specified in pathway-specific rules.
NA =Criterion or value is not available or, as is the case for Csat, not applicable.
X = Elevated reporting limit due to matrix interference.
Y = Elevated reporting limit due to high target concentration.

Part 201 Criteria Footnotes:

NLV: Hazardous substance is not likely to volatilize under most conditions.
{T}: Refer to federal Toxic Substance Control Act (TSCA), 40 C.F.R §.761, Subpart D and 40 C.F.R §.761, Subpart G, to determine the applicability of TSCA cleanup standards.
{C}: Value presented is a screening level based on the chemical-specific soil saturation (Csat) since the calculated risk-based criterion is greater that Csat.
{X}: The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
{W}: Concentration of trihalomethanes in soil shall be added together to determine compliance with the Michigan drinking water protection criterion of 1600 ug/kg.
{D}: Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.
{DD}: Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure.
{M}: Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.
{G}: Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO₃/L, use 400 mg CaCO₃/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
ID = Inadequate data to develop criterion.

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	CH-14-RO 08/22/11	MW-01 10/19/11	MW-02-01 10/12/11	MW-02-02 10/13/11	MW-02-03 10/12/11	MW-02-04 10/11/11
VOCs											
1,1,1-Trichloroethane	ug/L	200(A)	89	1.30E+06(S)	6.60E+05	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,1,2,2-Tetrachloroethane	ug/L	8.5	78(X)	4,700	12,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,1,2-Trichloroethane	ug/L	5(A)	330(X)	21,000	17,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,1-Dichloroethene	ug/L	7(A)	130	11,000	200	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,2,4-Trichlorobenzene	ug/L	70(A)	99(X)	19,000	3.00E+05(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	--	--	--	--	<0.050 [<0.050]	<0.050	<0.050 J	<0.050 J	<0.050 J	<0.050 [<0.050]
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	0.05(A)	5.7(X)	25	2,400	<0.020 [<0.020]	<0.020	<0.020	<0.020	<0.020	<0.020 [<0.020]
1,2-Dichlorobenzene	ug/L	600(A)	13	1.60E+05(S)	1.60E+05(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,2-Dichloropropane	ug/L	5(A)	230(X)	16,000	16,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,3-Dichlorobenzene	ug/L	6.6	28	2,000	18,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,4-Dichlorobenzene	ug/L	75(A)	17	6,400	16,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,4-Dioxane	ug/L	85	2,800(X)	1.70E+06	NLV	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0 [<5.0]
2-Butanone (Methyl Ethyl Ketone)	ug/L	13,000	2,200	2.40E+08(S)	2.40E+08(S)	<10 [<10]	<10	<10	<10	<10	<10 [<10]
2-Hexanone	ug/L	1,000	ID	5.20E+06	4.20E+06	<10 [<10]	<10	<10	<10	<10	<10 [<10]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	1,800	ID	1.30E+07	2.00E+07(S)	<10 [<10]	<10	<10	<10	<10	<10 [<10]
Acetone	ug/L	730	1,700	3.10E+07	1.00E+09(D,S)	<10 [<10]	<10 J	<10	<10	<10	<10 [<10]
Bromodichloromethane	ug/L	80(A,W)	ID	14,000	4,800	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Bromoform	ug/L	80(A,W)	ID	1.40E+05	4.70E+05	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Bromomethane (Methyl Bromide)	ug/L	10	35	1,000	70,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Carbon disulfide	ug/L	800	ID	1.20E+06(S)	2.50E+05	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Carbon tetrachloride	ug/L	5(A)	45(X)	4,600	370	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Chloroform (Trichloromethane)	ug/L	80(A,W)	350	1.50E+05	28,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Chloromethane (Methyl Chloride)	ug/L	260	ID	4.90E+05	8,600	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
cis-1,3-Dichloropropene	ug/L	--	--	--	--	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Cyclohexane	ug/L	--	--	--	--	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Dibromochloromethane	ug/L	80(A,W)	ID	18,000	14,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Dichlorodifluoromethane (CFC-12)	ug/L	1,700	ID	3.00E+05(S)	2.20E+05	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Isopropylbenzene	ug/L	800	28	56,000(S)	56,000(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
m&p-Xylene	ug/L	--	--	--	--	<2.0 [<2.0]	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]
Methyl acetate	ug/L	--	--	--	--	<10 [<10]	<10	<10	<10	<10	<10 [<10]
Methyl cyclohexane	ug/L	--	--	--	--	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Methyl Tert Butyl Ether	ug/L	40(E)	7,100(X)	6.10E+05	4.70E+07(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Styrene	ug/L	100(A)	80(X)	9,700	1.70E+05	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Tetrachloroethene	ug/L	5(A)	60(X)	12,000	25,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
trans-1,3-Dichloropropene	ug/L	--	--	--	--	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Trichloroethene	ug/L	5(A)	200(X)	22,000	15,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Trichlorofluoromethane (CFC-11)	ug/L	2,600	NA	1.10E+06(S)	1.10E+06(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Trifluorotrchloroethane (Freon 113)	ug/L	1.70E+05(S)	32	1.70E+05(S)	1.70E+05(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,1-Dichloroethane	ug/L	880	740	2.40E+06	1.00E+06	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
1,2-Dichloroethane	ug/L	5(A)	360(X)	19,000	9,600	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
cis-1,2-Dichloroethene	ug/L	70(A)	620	2.00E+05	93,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
trans-1,2-Dichloroethene	ug/L	100(A)	1,500(X)	2.20E+05	85,000	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Benzene	ug/L	5(A)	200(X)	11,000	5,600	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Chlorobenzene	ug/L	100(A)	25	86,000	2.10E+05	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Chloroethane	ug/L	430	1,100(X)	4.40E+05	5.70E+06(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Ethylbenzene	ug/L	74(E)	18	1.70E+05(S)	1.10E+05	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Methylene chloride	ug/L	5(A)	1,500(X)	2.20E+05	2.20E+05	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Toluene	ug/L	790(E)	270	5.30E+05(S)	5.30E+05(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Vinyl chloride	ug/L	2(A)	13(X)	1,000	1,100	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
o-Xylene	ug/L	--	--	--	--	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2,4,5-Trichlorophenol	ug/L	730	NA	1.70E+05	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2,4,6-Trichlorophenol	ug/L	120	5	10,000	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2,4-Dichlorophenol	ug/L	73	11	48,000	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2,4-Dimethylphenol	ug/L	370	380	5.20E+05	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2,4-Dinitrophenol	ug/L	--	--	--	--	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2,4-Dinitrotoluene	ug/L	7.7	NA	8,600	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2,6-Dinitrotoluene	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2-Chloronaphthalene	ug/L	1,800	NA	6,700(S)	ID	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2-Chlorophenol	ug/L	45	18	94,000	4.90E+05	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2-Methylnaphthalene	ug/L	260	19	25,000(S)	25,000(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2-Methylphenol	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2-Nitroaniline	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
2-Nitrophenol	ug/L	20	ID	79,000	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
3&4-Methylphenol	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
3,3'-Dichlorobenzidine	ug/L	1.1	0.3(M)	180	NLV	<0.050 J [<0.050]	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
3-Nitroaniline	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
4,6-Dinitro-2-methylphenol	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
4-Chloro-3-methylphenol	ug/L	150	7.4	79,000	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:		Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	CH-14-RO 08/22/11	MW-01 10/19/11	MW-02-01 10/12/11	MW-02-02 10/13/11	MW-02-03 10/12/11	MW-02-04 10/11/11
Units											
SVOCs Cont.											
4-Chloroaniline	ug/L	--	--	--	--	<2.0 J [<2.0 J]	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
4-Nitroaniline	ug/L	--	--	--	--	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
4-Nitrophenol	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Acenaphthene	ug/L	1,300	38	4,200(S)	4,200(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Acenaphthylene	ug/L	52	ID	3,900(S)	3,900(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Acetophenone	ug/L	1,500	ID	6.10E+06(S)	6.10E+06(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Anthracene	ug/L	43(S)	ID	43(S)	43(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Atrazine	ug/L	3(A)	7.3	5,400	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Benzaldehyde	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 J [<1.0]
Benzo(a)anthracene	ug/L	2.1	ID	9.4(S,AA)	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Benzo(a)pyrene	ug/L	5(A)	ID	1(M,AA)	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Benzo(b)fluoranthene	ug/L	1.5(S,AA)	ID	1.5(S,AA)	ID	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Benzo(g,h,i)perylene	ug/L	1(M); (S)	ID	1(M,AA); (S)	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Benzo(k)fluoranthene	ug/L	1(M); (S)	NA	1(M,AA); (S)	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Biphenyl	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
bis(2-Chloroethyl)ether	ug/L	2	1(M)	5,700	38,000	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
bis(2-Ethylhexyl)phthalate	ug/L	6(A)	NLV	320(AA)	NLV	<2.0 [<2.0]	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]
Butyl benzylphthalate	ug/L	1,200	67(X)	2,700(S)	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Caprolactam	ug/L	5,800	NA	3.90E+08	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Carbazole	ug/L	85	10(M)	7,400	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Chrysene	ug/L	1.6(S)	ID	1.6(S,AA)	ID	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Dibenz(a,h)anthracene	ug/L	2(M)	ID	2(M,AA)	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Dibenzofuran	ug/L	ID	4	ID	10,000(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Diethyl phthalate	ug/L	5,500	110	1.10E+06(S)	NLV	<2.0 J [<2.0 J]	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]
Dimethyl phthalate	ug/L	73,000	NA	4.20E+06(S)	NLV	<2.0 J [<2.0 J]	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]
Di-n-butylphthalate	ug/L	880	9.7	11,000(S)	NLV	<1.0 [<1.0]	1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Di-n-octyl phthalate	ug/L	130	ID	400	NLV	<1.0 [<1.0]	<1.0	<1.0	2.0	<1.0	<1.0 [<1.0]
Fluoranthene	ug/L	210(S)	1.6	210(S)	210(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Fluorene	ug/L	880	12	2,000(S)	2,000(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Hexachlorobenzene	ug/L	1(A)	0.2(M)	4.6	440	<0.050 J [<0.050]	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
Hexachlorobutadiene	ug/L	15	0.053	400	1,600	<1.0 [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Hexachlorocyclopentadiene	ug/L	50(A)	ID	1,600	130	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Hexachloroethane	ug/L	7.3	6.7(X)	1,900	27,000	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Indeno(1,2,3-cd)pyrene	ug/L	2(M); (S)	ID	2(M,AA); (S)	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Isophorone	ug/L	770	1,300(X)	9.90E+05	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Naphthalene	ug/L	520	11	31,000(S)	31,000(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Nitrobenzene	ug/L	3.4	180(X)	11,000	2.80E+05	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
N-Nitrosodi-n-propylamine	ug/L	5(M)	NA	360	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
N-Nitrosodiphenylamine	ug/L	270	NA	35,000(S)	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Pentachlorophenol	ug/L	1(A)	2.8(G,X)	200	NLV	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Phenanthrene	ug/L	52	2(M)	1,000(S)	1,000(S)	<1.0 J [<1.0 J]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
Phenol	ug/L	4,400	450	2.90E+07	NLV	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 J [<1.0]
Pyrene	ug/L	140(S)	ID	140(S)	140(S)	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]
PCBs											
Aroclor-1016 (PCB-1016)	ug/L	--	--	--	--	NA	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
Aroclor-1221 (PCB-1221)	ug/L	--	--	--	--	NA	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
Aroclor-1232 (PCB-1232)	ug/L	--	--	--	--	NA	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
Aroclor-1242 (PCB-1242)	ug/L	--	--	--	--	NA	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
Aroclor-1248 (PCB-1248)	ug/L	--	--	--	--	NA	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
Aroclor-1254 (PCB-1254)	ug/L	--	--	--	--	NA	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
Aroclor-1260 (PCB-1260)	ug/L	--	--	--	--	NA	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]
Total PCBs	ug/L	0.5(A)	0.2(M); E-	3.3(AA)	45(S)	NA	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:		Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	CH-14-RO 08/22/11	MW-01 10/19/11	MW-02-01 10/12/11	MW-02-02 10/13/11	MW-02-03 10/12/11	MW-02-04 10/11/11
Inorganics											
Antimony	mg/L	0.006(A)	0.13(X)	68	NLV	<0.00500 [<0.00500]	<0.00200	<0.00200	<0.00200	<0.00200	<0.002 [<0.002]
Arsenic	mg/L	0.01(A)	0.01	4.3	NLV	0.00100 [<0.000500]	0.00600	0.00400	<0.00200	0.00600	0.017 (RDW, GSI) [0.018 (RDW, GSI)]
Barium	mg/L	2(A)	0.67 (G)	14,000	NLV	0.0840 [0.0790]	0.0750	0.0840	0.0410	0.463	0.148 [0.142]
Beryllium	mg/L	0.004(A)	0.0067 (G)	290	NLV	0.000600 [0.000600]	<0.00100	<0.00100	<0.00100	<0.00100	<0.001 [<0.001]
Boron	mg/L	0.5(F)	5(X)	62,000	NLV	1.29 (RDW) [1.32 (RDW)]	<0.0400 J	0.110	<0.0400	0.0800	<0.04 [<0.04]
Cadmium	mg/L	0.005(A)	0.003(G,X)	190	NLV	<0.000500 [<0.000500]	<0.00100	<0.00100	<0.00100	<0.00100	<0.001 [<0.001]
Chromium Total	mg/L	0.1(A)	0.011	460	NLV	27.1 (RDW, GSI) [27.4 (RDW, GSI)]	<0.0100	<0.0100	<0.0100	<0.0100	<0.010 [<0.01]
Chromium VI (Hexavalent)	mg/L	0.1(A)	0.011	460	NLV	28.4 (RDW, GSI) [27.9 (RDW, GSI)]	NA	NA	NA	NA	NA
Cobalt	mg/L	0.04	0.1	2,400	NLV	<0.00500 [<0.00500]	<0.0100	<0.0100	<0.0100	<0.0100	<0.010 [<0.01]
Copper	mg/L	1(E)	0.013(G)	7,400	NLV	<0.00250 [<0.00250]	<0.00200	<0.00200	<0.00200	<0.00200	<0.002 [<0.002]
Manganese	mg/L	0.05(E)	2.8(G,X)	9,100	NLV	0.0680 (RDW) [0.0640 (RDW)]	0.607 (RDW)	0.0570 (RDW)	0.144 (RDW)	0.158 (RDW)	0.095 (RDW) [0.094 (RDW)]
Mercury	mg/L	0.002(A)	0.0000013	0.056(S)	0.056(S)	<0.000100 [<0.000100]	<0.000100	<0.000100	<0.000100	<0.000100	<0.0001 [<0.0001]
Nickel	mg/L	0.1(A)	0.073(G)	74,000	NLV	0.0530 [0.0540]	<0.0100	<0.0100	<0.0100	<0.0100	0.013 [0.013]
Selenium	mg/L	0.05(A)	0.005	970	NLV	0.0330(GSI) [0.0280(GSI)]	<0.00200	<0.00200	<0.00200	<0.00200	<0.002 [<0.002]
Silver	mg/L	0.034	0.0002(M)	1,500	NLV	<0.000500 [<0.000500]	<0.000200	<0.000200	<0.000200	<0.000200	<0.0002 [<0.0002]
Thallium	mg/L	0.002(A)	0.0037(X)	13	NLV	0.00160 [0.00150]	<0.00200	<0.00200	<0.00200	<0.00200	<0.002 [<0.002]
Vanadium	mg/L	0.0045	0.012	970	NLV	<0.00250 [<0.00250]	<0.00200	<0.00200	<0.00200	<0.00200	<0.002 [<0.002]
Lead	mg/L	0.004(L)	0.016(G,X)	ID	NLV	<0.00250 [<0.00250]	<0.00200	<0.00200	<0.00200	<0.00200	<0.002 [<0.002]
Zinc	mg/L	2.4	0.17(G)	1.10E+05	NLV	<0.00500 [<0.00500]	0.0850 J	<0.0100	0.0100	<0.0100	<0.010 [<0.01]
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	0.006(A)	0.13(X)	68	NLV	NA	<0.00200	<0.00200	NA	NA	<0.002 [<0.002]
Arsenic (Dissolved)	mg/L	0.01(A)	0.01	4.3	NLV	NA	<0.00200	0.00300	NA	NA	0.012 (RDW, GSI) [0.013 (RDW, GSI)]
Barium (Dissolved)	mg/L	2(A)	0.67 (G)	14,000	NLV	NA	0.0620	0.0810	NA	NA	0.137 [0.142]
Beryllium (Dissolved)	mg/L	0.004(A)	0.0067 (G)	290	NLV	NA	<0.00100	<0.00100	NA	NA	<0.001 [<0.001]
Boron	mg/L	0.5(F)	5(X)	62,000	NLV	NA	<0.0400	0.100	NA	NA	<0.04 [<0.04]
Cadmium (Dissolved)	mg/L	0.005(A)	0.003(G,X)	190	NLV	NA	<0.00100	<0.00100	NA	NA	<0.001 [<0.001]
Chromium Total (Dissolved)	mg/L	- -	- -	- -	- -	NA	<0.0100	<0.0100	NA	NA	<0.010 [<0.01]
Cobalt (Dissolved)	mg/L	0.04	0.1	2,400	NLV	NA	<0.0100	<0.0100	NA	NA	<0.010 [<0.01]
Copper (Dissolved)	mg/L	1(E)	0.013(G)	7,400	NLV	NA	0.00300	<0.00200	NA	NA	<0.002 [0.002]
Manganese (Dissolved)	mg/L	0.05(E)	2.8(G,X)	9,100	NLV	NA	0.575 (RDW)	0.0530 (RDW)	NA	NA	0.079 (RDW) [0.079 (RDW)]
Mercury (Dissolved)	mg/L	0.002(A)	0.0000013	0.056(S)	0.056(S)	NA	<0.000100	<0.000100	NA	NA	<0.0001 [<0.0001]
Nickel (Dissolved)	mg/L	0.1(A)	0.073(G)	74,000	NLV	NA	0.0120	<0.0100	NA	NA	0.013 [0.014]
Selenium (Dissolved)	mg/L	0.05(A)	0.005	970	NLV	NA	<0.00200	<0.00200	NA	NA	<0.002 [<0.002]
Silver (Dissolved)	mg/L	0.034	0.0002(M)	1,500	NLV	NA	<0.000200	<0.000200	NA	NA	<0.0002 [<0.0002]
Thallium (Dissolved)	mg/L	0.002(A)	0.0037(X)	13	NLV	NA	<0.00200	<0.00200	NA	NA	<0.002 [<0.002]
Vanadium (Dissolved)	mg/L	0.0045	0.012	970	NLV	NA	<0.00200	<0.00200	NA	NA	<0.002 [<0.002]
Lead (Dissolved)	mg/L	0.004(L)	0.016(G,X)	ID	NLV	NA	<0.00200	<0.00200	NA	NA	<0.002 [<0.002]
Zinc (Dissolved)	mg/L	2.4	0.17(G)	1.10E+05	NLV	NA	0.0340 J	<0.0100	NA	NA	<0.010 [<0.01]
Total Petroleum Hydrocarbons											
DRO Range C10-C28	ug/L	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA
DRO Range C28-C34	ug/L	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA
GRO Range C5-C10	ug/L	- -	- -	- -	- -	NA	NA	NA	NA	NA	NA

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		MW-03	MW-04-02	MW-04-03	MW-05	MW-06	MW-19	MW-22	MW-23	MW-91-1	MW-91-2	MW-91-3	MW-91-5
Date Collected:	Units	10/19/11	10/11/11	10/11/11	11/28/11	11/28/11	10/19/11	11/29/11	11/29/11	11/29/11	10/13/11	10/19/11	10/12/11
VOCs													
1,1,1-Trichloroethane	ug/L	2.0	<1.0	<1.0	<1.0	44	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,1,2-Trichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,1-Dichloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	<0.050	<0.050 J	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 J	<0.050 [<0.050]	<0.050 J
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020 [<0.020]	<0.020
1,2-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,2-Dichloropropane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,3-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,4-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,4-Dioxane	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 [<5.0]	<5.0
2-Butanone (Methyl Ethyl Ketone)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [<10]	<10
2-Hexanone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [<10]	<10
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [<10]	<10
Acetone	ug/L	<10 J	<10	<10	<10	<10	<10 J	<10	<10	<10	<10	<10 J [<10 J]	<10
Bromodichloromethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Bromoform	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Bromomethane (Methyl Bromide)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Carbon tetrachloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Chloroform (Trichloromethane)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Chloromethane (Methyl Chloride)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Cyclohexane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Dibromochloromethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Dichlorodifluoromethane (CFC-12)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Isopropylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
m&p-Xylene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]	<2.0
Methyl acetate	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [<10]	<10
Methyl cyclohexane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Methyl Tert Butyl Ether	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Styrene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Tetrachloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Trichloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Trichlorofluoromethane (CFC-11)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Trifluorotrichloroethane (Freon 113)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,1-Dichloroethane	ug/L	1.0	2.0	<1.0	<1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
1,2-Dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
cis-1,2-Dichloroethene	ug/L	<1.0	12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Chloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Methylene chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Vinyl chloride	ug/L	<1.0	13 (RDW)	13 (RDW)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
o-Xylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
SVOCs													
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2,4,5-Trichlorophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2,4,6-Trichlorophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2,4-Dichlorophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2,4-Dimethylphenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2,4-Dinitrophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2,4-Dinitrotoluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2,6-Dinitrotoluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2-Chloronaphthalene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2-Chlorophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2-Methylnaphthalene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2-Methylphenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2-Nitroaniline	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
2-Nitrophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
3&4-Methylphenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
3,3'-Dichlorobenzidine	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
3-Nitroaniline	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
4,6-Dinitro-2-methylphenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
4-Bromophenyl phenyl ether	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
4-Chloro-3-methylphenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		MW-03	MW-04-02	MW-04-03	MW-05	MW-06	MW-19	MW-22	MW-23	MW-91-1	MW-91-2	MW-91-3	MW-91-5
Date Collected:	Units	10/19/11	10/11/11	10/11/11	11/28/11	11/28/11	10/19/11	11/29/11	11/29/11	11/29/11	10/13/11	10/19/11	10/12/11
SVOCs Cont.													
4-Chloroaniline	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]	<2.0
4-Chlorophenyl phenyl ether	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
4-Nitroaniline	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
4-Nitrophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Acenaphthene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Acenaphthylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Acetophenone	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Anthracene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Atrazine	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Benzaldehyde	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Benzo(a)anthracene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Benzo(a)pyrene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Benzo(b)fluoranthene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Benzo(g,h,i)perylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Benzo(k)fluoranthene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Biphenyl	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
bis(2-Chloroethoxy)methane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
bis(2-Chloroethyl)ether	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
bis(2-Ethylhexyl)phthalate	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]	<2.0
Butyl benzylphthalate	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Caprolactam	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Carbazole	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Chrysene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Dibenz(a,h)anthracene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Dibenzofuran	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Diethyl phthalate	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]	<2.0
Dimethyl phthalate	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 [<2.0]	<2.0
Di-n-butylphthalate	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [1.0]	<1.0
Di-n-octyl phthalate	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Fluoranthene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Fluorene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Hexachlorobenzene	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
Hexachlorobutadiene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Hexachlorocyclopentadiene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Hexachloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Isophorone	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Naphthalene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Nitrobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
N-Nitrosodi-n-propylamine	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
N-Nitrosodiphenylamine	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Pentachlorophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Phenanthrene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Phenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
Pyrene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0
PCBs													
Aroclor-1016 (PCB-1016)	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
Aroclor-1221 (PCB-1221)	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
Aroclor-1232 (PCB-1232)	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
Aroclor-1242 (PCB-1242)	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
Aroclor-1248 (PCB-1248)	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
Aroclor-1254 (PCB-1254)	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
Aroclor-1260 (PCB-1260)	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050
Total PCBs	ug/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 [<0.050]	<0.050

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		MW-03	MW-04-02	MW-04-03	MW-05	MW-06	MW-19	MW-22	MW-23	MW-91-1	MW-91-2	MW-91-3	MW-91-5
Date Collected:	Units	10/19/11	10/11/11	10/11/11	11/28/11	11/28/11	10/19/11	11/29/11	11/29/11	11/29/11	10/13/11	10/19/11	10/12/11
Inorganics													
Antimony	mg/L	<0.00200	<0.00200	<0.002	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200 [<0.00200]	<0.00200
Arsenic	mg/L	0.00800	0.00400	0.005	<0.00200	<0.00200	<0.00200	0.00400	0.00600	<0.00200	0.0230 (RDW, GSI)	<0.00200 [<0.00200]	0.0100
Barium	mg/L	0.208	0.0990	0.241	0.116	0.0830	0.0570	0.133	0.0840	0.0530	0.171	0.0180 [0.0190]	0.301
Beryllium	mg/L	<0.00100	<0.00100	<0.001	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 [<0.00100]	<0.00100
Boron	mg/L	0.0500 J	0.360	0.35	0.0700	0.120	<0.0400 J	<0.0400	<0.0400	0.150	0.0400	0.210 J [0.220 J]	0.100
Cadmium	mg/L	<0.00100	<0.00100	<0.001	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 [<0.00100]	<0.00100
Chromium Total	mg/L	<0.0100	<0.0100	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.149 (RDW, GSI)	<0.0100 [<0.0100]	<0.0100
Chromium VI (Hexavalent)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	<0.0100	<0.0100	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100 [<0.0100]	<0.0100
Copper	mg/L	<0.00200	<0.00200	<0.002	0.00300	0.00200	0.0100	<0.00200	<0.00200	0.00300	<0.00200	<0.00200 [<0.00200]	<0.00200
Manganese	mg/L	0.799 (RDW)	0.291 (RDW)	0.197 (RDW)	0.0320	0.208 (RDW)	0.311 (RDW)	0.356 (RDW)	0.0640 (RDW)	0.0520 (RDW)	0.0530 (RDW)	0.0170 [0.0170]	0.0800 (RDW)
Mercury	mg/L	<0.000100	<0.000100	<0.0001	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100 [<0.000100]	<0.000100
Nickel	mg/L	<0.0100	<0.0100	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0120	<0.0100	<0.0100 [<0.0100]	<0.0100
Selenium	mg/L	<0.00200	<0.00200	<0.002	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200 [<0.00200]	<0.00200
Silver	mg/L	0.000200	<0.000200	<0.0002	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200 [<0.000200]	<0.000200
Thallium	mg/L	<0.00200	<0.00200	<0.002	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200 [<0.00200]	<0.00200
Vanadium	mg/L	<0.00200	<0.00200	<0.002	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200 [<0.00200]	<0.00200
Lead	mg/L	<0.00200	<0.00200	<0.002	<0.00200	<0.00200	0.00500 (RDW)	0.00200	<0.00200	<0.00200	<0.00200	<0.00200 [<0.00200]	<0.00200
Zinc	mg/L	<0.0100 J	0.0400	<0.010	0.0140	<0.0100	0.0580 J	<0.0100	<0.0100	0.0150	<0.0100	0.0770 J [0.0700 J]	<0.0100
Inorganics-Filtered													
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	<0.00200	<0.00200	NA	NA	NA	<0.00200	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	<0.00200	<0.00200	NA	NA	NA	0.0160 (RDW, GSI)	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	0.0710	0.0480	NA	NA	NA	0.145	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	<0.00100	<0.00100	NA	NA	NA	<0.00100	NA	NA
Boron	mg/L	NA	NA	NA	NA	0.130	<0.0400	NA	NA	NA	<0.0400	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	<0.00100	<0.00100	NA	NA	NA	<0.00100	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	<0.0100	<0.0100	NA	NA	NA	0.0840	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	<0.0100	<0.0100	NA	NA	NA	<0.0100	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	0.00300	0.0100	NA	NA	NA	0.00300	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	0.0180	0.237 (RDW)	NA	NA	NA	0.0530 (RDW)	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	<0.000100	<0.000100	NA	NA	NA	<0.000100	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	<0.0100	<0.0100	NA	NA	NA	<0.0100	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	<0.00200	<0.00200	NA	NA	NA	<0.00200	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	<0.000200	<0.000200	NA	NA	NA	<0.000200	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	<0.00200	<0.00200	NA	NA	NA	<0.00200	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	<0.00200	<0.00200	NA	NA	NA	<0.00200	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	<0.00200	0.00300	NA	NA	NA	<0.00200	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	<0.0100	0.0860 J	NA	NA	NA	<0.0100	NA	NA
Total Petroleum Hydrocarbons													
DRO Range C10-C28	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRO Range C28-C34	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO Range C5-C10	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P3-SB-07	P3-SB-28	Unknown-10	Unknown-11	MW-2 (Unknown-12)	Unknown-14 (LNAPL Sample)
Date Collected:	Units	08/18/11	08/23/11	10/19/11	11/29/11	10/19/11	10/06/11
VOCs							
1,1,1-Trichloroethane	ug/L	<1.0	NA	<1.0	<1.0	4.0	NA
1,1,2,2-Tetrachloroethane	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,1,2-Trichloroethane	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,1-Dichloroethene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,2,4-Trichlorobenzene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	<0.050	NA	<0.050	<0.050	<0.050	NA
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	<0.020	NA	<0.020	<0.020	<0.020	NA
1,2-Dichlorobenzene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,2-Dichloropropane	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,3-Dichlorobenzene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,4-Dichlorobenzene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,4-Dioxane	ug/L	<5.0	NA	<5.0	<5.0	<5.0	NA
2-Butanone (Methyl Ethyl Ketone)	ug/L	<10	NA	<10	<10	<10	NA
2-Hexanone	ug/L	<10	NA	<10	<10	<10	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	<10	NA	<10	<10	<10	NA
Acetone	ug/L	<10	NA	<10 J	<10	<10 J	NA
Bromodichloromethane	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Bromoform	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Bromomethane (Methyl Bromide)	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Carbon disulfide	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Carbon tetrachloride	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Chloroform (Trichloromethane)	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Chloromethane (Methyl Chloride)	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
cis-1,3-Dichloropropene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Cyclohexane	ug/L	<1.0	NA	<1.0	<3.0	<1.0	NA
Dibromochloromethane	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Dichlorodifluoromethane (CFC-12)	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Isopropylbenzene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
m&p-Xylene	ug/L	<2.0	NA	<2.0	<2.0	<2.0	NA
Methyl acetate	ug/L	<10	NA	<10	<10	<10	NA
Methyl cyclohexane	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Methyl Tert Butyl Ether	ug/L	<1.0	NA	<1.0	<2.0	<1.0	NA
Styrene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Tetrachloroethene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
trans-1,3-Dichloropropene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Trichloroethene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Trichlorofluoromethane (CFC-11)	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Trifluorotrichloroethane (Freon 113)	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
1,1-Dichloroethane	ug/L	<1.0	NA	<1.0	1.0	2.0	NA
1,2-Dichloroethane	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
cis-1,2-Dichloroethene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
trans-1,2-Dichloroethene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Benzene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Chlorobenzene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Chloroethane	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Ethylbenzene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Methylene chloride	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Toluene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
Vinyl chloride	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
o-Xylene	ug/L	<1.0	NA	<1.0	<1.0	<1.0	NA
SVOCs							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
2,4,5-Trichlorophenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2,4,6-Trichlorophenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2,4-Dichlorophenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2,4-Dimethylphenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2,4-Dinitrophenol	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
2,4-Dinitrotoluene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2,6-Dinitrotoluene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2-Chloronaphthalene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2-Chlorophenol	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
2-Methylnaphthalene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2-Methylphenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2-Nitroaniline	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
2-Nitrophenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
3&4-Methylphenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
3,3'-Dichlorobenzidine	ug/L	<0.050	<0.050 J	<0.050	<0.050	<0.050	NA
3-Nitroaniline	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
4,6-Dinitro-2-methylphenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
4-Bromophenyl phenyl ether	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
4-Chloro-3-methylphenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P3-SB-07	P3-SB-28	Unknown-10	Unknown-11	MW-2 (Unknown-12)	Unknown-14 (LNAPL Sample)
Date Collected:	Units	08/18/11	08/23/11	10/19/11	11/29/11	10/19/11	10/06/11
SVOCs Cont.							
4-Chloroaniline	ug/L	<2.0 J	<2.0 J	<2.0	<2.0	<2.0	NA
4-Chlorophenyl phenyl ether	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
4-Nitroaniline	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
4-Nitrophenol	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Acenaphthene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Acenaphthylene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Acetophenone	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
Anthracene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Atrazine	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Benzaldehyde	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
Benzo(a)anthracene	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Benzo(a)pyrene	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Benzo(b)fluoranthene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Benzo(g,h,i)perylene	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Benzo(k)fluoranthene	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Biphenyl	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
bis(2-Chloroethoxy)methane	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
bis(2-Chloroethyl)ether	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
bis(2-Ethylhexyl)phthalate	ug/L	<2.0	<2.0 J	<2.0	<2.0	<2.0	NA
Butyl benzylphthalate	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Caprolactam	ug/L	<1.0 J	<1.0 J	<1.0	2.0	<1.0	NA
Carbazole	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Chrysene	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Dibenz(a,h)anthracene	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Dibenzofuran	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Diethyl phthalate	ug/L	<2.0 J	<2.0 J	<2.0	<2.0	<2.0	NA
Dimethyl phthalate	ug/L	<2.0 J	<2.0 J	<2.0	<2.0	<2.0	NA
Di-n-butylphthalate	ug/L	<1.0	<1.0 J	2.0	<1.0	<1.0	NA
Di-n-octyl phthalate	ug/L	<1.0	<1.0 J	<1.0	1.0	<1.0	NA
Fluoranthene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Fluorene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Hexachlorobenzene	ug/L	<0.050	<0.050 J	<0.050	<0.050	<0.050	NA
Hexachlorobutadiene	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
Hexachlorocyclopentadiene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Hexachloroethane	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Isophorone	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Naphthalene	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
Nitrobenzene	ug/L	<1.0 J	<1.0	<1.0	<1.0	<1.0	NA
N-Nitrosodi-n-propylamine	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
N-Nitrosodiphenylamine	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Pentachlorophenol	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Phenanthrene	ug/L	<1.0 J	<1.0 J	<1.0	<1.0	<1.0	NA
Phenol	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
Pyrene	ug/L	<1.0	<1.0 J	<1.0	<1.0	<1.0	NA
PCBs							
Aroclor-1016 (PCB-1016)	ug/L	<0.050	NA	<0.050	<0.050	<0.050	NA
Aroclor-1221 (PCB-1221)	ug/L	<0.050	NA	<0.050	<0.050	<0.050	NA
Aroclor-1232 (PCB-1232)	ug/L	<0.050	NA	<0.050	<0.050	<0.050	NA
Aroclor-1242 (PCB-1242)	ug/L	<0.050	NA	<0.050	<0.050	<0.050	NA
Aroclor-1248 (PCB-1248)	ug/L	<0.050	NA	<0.050	<0.050	<0.050	NA
Aroclor-1254 (PCB-1254)	ug/L	<0.050	NA	<0.050	<0.050	<0.050	700 ⁽²⁾
Aroclor-1260 (PCB-1260)	ug/L	<0.050	NA	<0.050	<0.050	<0.050	NA
Total PCBs	ug/L	<0.050	NA	<0.050	<0.050	<0.050	700 ⁽²⁾

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID:		P3-SB-07	P3-SB-28	Unknown-10	Unknown-11	MW-2 (Unknown-12)	Unknown-14 (LNAPL Sample)
Date Collected:	Units	08/18/11	08/23/11	10/19/11	11/29/11	10/19/11	10/06/11
Inorganics							
Antimony	mg/L	<0.00500	<0.00500	<0.00200	<0.00200	<0.00200	NA
Arsenic	mg/L	<0.000500	0.00200	<0.00200	0.00700	0.00400	NA
Barium	mg/L	0.0890	0.0670	0.0450	0.146	0.102	NA
Beryllium	mg/L	0.000500	<0.000500	<0.00100	<0.00100	<0.00100	NA
Boron	mg/L	1.22 (RDW)	0.404	0.180 J	0.100	0.120 J	NA
Cadmium	mg/L	<0.000500	<0.000500	0.00300(GSI)	0.00100	0.00300(GSI)	NA
Chromium Total	mg/L	<0.00500	<0.00500	<0.0100	<0.0100	<0.0100	NA
Chromium VI (Hexavalent)	mg/L	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	<0.00500	<0.00500	<0.0100	<0.0100	<0.0100	NA
Copper	mg/L	<0.00250	0.00400	0.00500	0.00200	0.00300	NA
Manganese	mg/L	0.178 (RDW)	0.137 (RDW)	0.0980 (RDW)	0.0940 (RDW)	0.708 (RDW)	NA
Mercury	mg/L	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	NA
Nickel	mg/L	0.00500	<0.00500	<0.0100	<0.0100	<0.0100	NA
Selenium	mg/L	<0.00500	<0.00500	<0.00200	<0.00200	<0.00200	NA
Silver	mg/L	<0.000500	<0.000500	<0.000200	<0.000200	<0.000200	NA
Thallium	mg/L	0.00190	0.000800	<0.00200	<0.00200	<0.00200	NA
Vanadium	mg/L	<0.00250	<0.00250	<0.00200	<0.00200	<0.00200	NA
Lead	mg/L	0.00800 (RDW)	<0.00250	0.00200	0.00300	<0.00200	NA
Zinc	mg/L	<0.00500	<0.00500	0.166 J	0.0320	0.0530 J	NA
Inorganics-Filtered							
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Boron	mg/L	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons							
DRO Range C10-C28	ug/L	NA	NA	NA	NA	NA	1,530,000,000 X
DRO Range C28-C34	ug/L	NA	NA	NA	NA	NA	ND X
GRO Range C5-C10	ug/L	NA	NA	NA	NA	NA	3,200,000 Y

TABLE 3.3
RACER TRUST LANSING PLANT 3
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Notes:

- 1. Shading indicates result exceeding one or more MDEQ Part 201 Generic Cleanup Criteria and Screening Levels, Dated March 25, 2011.
- 2. Bold fonts indicates detection above MDL but below MDEQ Generic Criteria.
- 3. Due to matrix interference, the groundwater sample from P2-MW-03 was filtered in the lab and analyzed for dissolved SVOCs and dissolved PCBs.

* Results reported in units of µg/kg.
mg/L - milligrams per liter
µg/L - micrograms per liter
RDW - Residential Drinking Water Criteria
GSI - Groundwater Surface Water Interface Criteria
GCCP - Groundwater Contact Protection Criteria
VIIC - Residential Groundwater Volatilization to Indoor Air Inhalation Criteria
RBSL - Risk Based Screening Level
VOC - Volatile Organic Compounds
SVOC - Semi-Volatile Organic Compounds
NREPA - Natural Resources and Environmental Protection Act

Data Qualifiers:

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.
F = Criterion is based on adverse impacts to plant life and phytotoxicity
L = Criteria is derived using a biologically based model, as allowed for under Section 20120a(10) of NREPA, and are not calculated using the algorithms and
NA =Criterion or value is not available or, as is the case for Csat, not applicable.
X = Elevated reporting limit due to matrix interference.
Y = Elevated reporting limit due to high target concentration.

Part 201 Criteria Footnotes:

NLV: Hazardous substance is not likely to volatilize under most conditions.
{A}: Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.
{X}:The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
{S}: Criterion defaults to the chemical-specific water solubility limit.
{D}: Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.
{E}: Criterion is the aesthetic drinking water value, as required by Sec. 20120a(5) of the NREPA 1994 PA 451, as amended.
{M}: Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.

{G}: Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO₃/L, use 400 mg CaCO₃/L for the FCV calculation. The FCV formula provides values in units of ug/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

{A,A}: Comparison of these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.
ID = Inadequate data to develop criterion.

TABLE 4.1
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
AOI LIST AND SAMPLING MATRIX

AOI Identification	AOI Title	AOI Description/Components	AOI Location Building # Column/Bay	AOI Approximate Depth Below Grade (ft)	Materials Handled	Historical Constituents Detected above Part 201 Cleanup Criteria	Associated Soil Boring	Maximum Concentration Observed in AOI (mg/kg)	Proposed Phase II RFI Activities	Explanation/Rationale	Soil Boring ID
6-1	SWMU 1 - Original Hazardous Waste Storage Area	40'x100' concrete area surrounded by trench; stored ELPO and paint-related wastes; Removed and replaced by Air Pollution Control System (ACSP) Incinerator	North of Building 22	5	ELPO and Paint Related Wastes	NA	NA	NA	No Further Action	No VOCs detected. No SVOCs detected. No metals detected above criteria.	P6-SB-14 P6-SB-15
6-10	SWMU 10 - Non-Hazardous Waste Consolidation Area	40'x80' roofed area on a concrete base; managed epoxy purge, grinding waste, oven condensate, trim purge, and used hydraulic oil	South of Building 22	0	Epoxy Purge, Grinding Waste, Oven Condensate, Trim Purge and Used Hydraulic Oil	NA	NA	NA	No Further Action	VOCs not analyzed. No SVOCs detected. No metals detected above criteria.	P6-SB-28 P6-SB-29
6-11	SWMU 11 -- Wastewater Cistern (Industrial waste treatment pit)	100,000 gallons; managed wash water from rinsing automobile bodies and the overflow of phosphoric acid from phosphoric acid pickling tanks	Building 18 PP-QQ/11-12	<20	Automobile Body Wash Water and Phosphoric Acid	NA	NA	NA	Further Action	VOCs not analyzed. Positive shake test at P6-SB-8 @ 5'-6'. SVOCs not analyzed. Metals detected above DWP in water sample collected at P6-SB-7.	P6-SB-7 P6-SB-8
6-14	SWMU 14 - Oil Accumulation Area	55-gallon steel drums; stored waste hydraulic oil	Building 8	0	Used Hydraulic Oil				No Further Action	No VOCs detected. No SVOCs detected. No metals detected above criteria.	P6-SB-1
6-16 6-33	AOC 1 - Tanks 5 and 6; Tank Farm	Tank 5: 4,000-gallon steel diesel fuel storage tank; Tank 6: 15,000-gallon steel gasoline storage tank 16' bgs; stores purge thinner/diesel fuel; Double walled tank with leak detection system; Installed in the same location as AOI 6-16	South of Building 23	15	Diesel and Gasoline, Metals Purge Thinner and Diesel Fuel	Ethylbenzene	MWBP-12 9-11(ft BGS)	3.4 {EG}	Further Action	No VOCs detected. No SVOCs detected. No metals detected above criteria (only analyzed for Pb). 1,4-Dioxane detect in MWBP-12-UST5-6 located near this AOI.	P6-SB-43
						Xylene (total)	SW-4 0-0(unknown)	99 {EFG}			
6-17 (formerly 6-4, 6-8)	AOC 2 - Tanks 1 (SWMU 4) and 3 (SWMU 8)	Tank 1 (SWMU 4): 7,500-gallon carbon steel virgin thinner storage tank; Tank 3 (SWMU 8): 12,000-gallon carbon steel virgin thinner storage tank	Southwest of Building 16	15	Virgin Thinner	Benzene	SA 4-3 12-14(ft BGS)	0.2 J {E}	Further Action	VOCs above DWP, GSI and VIA criteria at VEW-5 @ 10'-11' (BTEX). VOCs detected at P6-SB-42 @ 6'-7', but below criteria. SVOCs not analyzed. Metals not analyzed.	P6-SB-42 (SA 4-3), VEW-5 P6-SB-33
						Ethylbenzene	SA 4-3 12-14(ft BGS)	23.5 {EG}			
						1,1-Dichloroethene	VEW-5 8-10(ft BGS)	0.5 {AEH}			
						Naphthalene	SB-2 9-11(ft BGS)	9.2 {G}			
						Trichloroethene	VEW-5 8-10(ft BGS)	1.2 {E}			
						Xylene (total)	B-96-B 9-11(ft BGS)	299 {ADEFHGKL}			
6-18	Lead in Soil Area	Lead smelter	West of Buildings 10, 11, 12, 13 and 15	0	Metals	Chromium Total	SA 12-2 10-12(ft BGS)	25.7 {G}	Further Action	VOCs detected at P6-SB-13 @ 9'10'. SVOCs detected in soil and groundwater at P6-SB-12 @ 1' and P6-SB-13 @ 9'10'. Metals detected above DWP and/or GSI at P6-SB-12 @ 1' and 9'-10' and at P6-SB-13 @ 1'-1.5'. Metals and VOCs detected above DWP and/or GSI in water samples collected at P6-SB-12.	P6-SB-13 P6-SB-12
						Cobalt	SA 12-2 10-12(ft BGS)	22.8 {EG}			
						Lead	E-25 0-2(ft BGS)	4030 {DEK}			
						Manganese	SA 12-1 9-11(ft BGS)	548 {EG}			
6-19	Process Waste Tunnel	Runs underneath Building 28 and 21; exits Site to the west and continues to GM Lansing Plant 2	West of the Power Plant	15	Process Waste	Chromium Total	SA 10-3 14-16(ft BGS)	14.7 {G}	Further Action	Nearest groundwater monitoring well is MW-03-08 which showed detects of VOCs and Metals above DWP and GSI. Also near P6-SB-40 which showed to VOC or SVOC detects and metals all below criteria.	
6-30	New Weld Pit	18'x50'x4'	Building 18 QQ8-10	4	Metals	Chromium Total	SA 29-2 8-10(ft BGS)	5.6 {G}	Further Action	No existing monitoring well near AOI. Water sample collected from P6-SB-07 above DWP for Mn	
6-43	Stormceptor	Includes stormceptor oil and sediment separator	West of Building 15	15	Storm Water, Oil and Sediments	Chromium Total	SA 13-1 7-9(ft BGS)	5.5 {G}	Further Action	Nearest groundwater monitoring well is MW-03-05 which showed detects of VOCs and metals above DWP and GSI.	
6-47	Leaking Industrial Waste Line	N/A	Building 16 ZZ115	15	Process Waste	Chromium Total	SA 4-4 14-16(ft BGS)	8.9 {G}	Further Action	No VOCs detected (only sampled 1'-2' interval). SVOCs detected, but below criteria. No metals detected above criteria.	P6-SB-4
						Selenium	SA 4-4 14-16(ft BGS)	1.26 {G}			
6-48	Former Coal Pile	Was replaced by Bldg. 28	Building 28 Whole Building	0	Coal	Chromium Total	SA 6-12 8-10(ft BGS)	16.1 {G}	No Further Action	VOCs not analyzed. SVOCs not analyzed. No metals detected above criteria (only Mn, Co & Cr analyzed)	P6-SB-38 P6-SB-39
						Cobalt	SA 6-12 8-10(ft BGS)	8.35 {E}			
						Manganese	SA 6-7 4-6(ft BGS)	601 {EG}			
6-49	2nd Lacquer Booth	Associated with former paint shop	Building 10 Q-R/34-36	5	Paint and Thinner	Chromium Total	SA 22-3 2-4(ft BGS)	10.6 {G}	Further Action	No VOCs detected. SVOCs not analyzed. Metals (Mn) detected above DWP and GSI criteria.	P6-SB-20
						Selenium	SA 22-2 2-4(ft BGS)	1.01 {G}			
6-59	Stormceptor	Includes stormceptor oil and sediment separator	South of Building 23	15	Storm Water	Chromium Total	SA 3-1 14-16(ft BGS)	3.8 {G}			

TABLE 4.1
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
AOI LIST AND SAMPLING MATRIX

AOI Identification	AOI Title	AOI Description/Components	AOI Location Building # Column/Bay	AOI Approximate Depth Below Grade (ft)	Materials Handled	Historical Constituents Detected above Part 201 Cleanup Criteria	Associated Soil Boring	Maximum Concentration Observed in AOI (mg/kg)	Proposed Phase II RFI Activities	Explanation/Rationale	Soil Boring ID
6-60	Paint Mix Room	N/A	Building 21 EEE-KKK/8-103	0	Paint and Thinner	Acetone	SA 5-5 8-10(ft BGS)	35 {E}	Further Action	VOCs detected above DWP and GSI at P6-SB-32 @ 4'-5' and 11'-12' (BTEX). VOCs detected above DWP & GSI in water sample collected at P6-SB-32. VOCs detected above DWP, GSI, DC and/or VIA criteria at P6-SB-41 @ 4'-5' and 8'-9' (ethenes?). SVOCs not analyzed. Metals not analyzed.	P6-SB-30 P6-SB-31 P6-SB-32 P6-SB-41 (SA 5-5)
						Chromium Total	SA 5-1 8-10(ft BGS)	5.9 {G}			
						Ethylbenzene	SA 5-5 8-10(ft BGS)	6.1 {EG}			
						Xylene (total)	SA 5-5 8-10(ft BGS)	34.5 {EG}			
6-63	Sump	N/A	Building 20 NN21	5	Unknown	Chromium Total	SA 32-1 8-10(ft BGS)	9 {G}	Further Action	No existing monitoring well near AOI. P6-SB-07, nearby, showed exceedances for Mn in groundwater.	
6-78	Former PCB Transformers	N/A	East of the Power Plant	0	PCBs Oil	Chromium Total	SA 7-9 7-9(ft BGS)	17.1 {G}	No Further Action	No existing monitoring well near AOI. Adjacent to AOI 6-83 which showed no VOC or SVOC detection and no metals above criteria.	
6-81	Former Paint Shop Area	N/A	Buildings 11, 12, 13, 14 and 14X A-M/37-66	10	Paint and Thinner	Chromium Total	SA 11-5 0.7-2.7(ft BGS)	25 {G}	Further Action	VOCs detected in groundwater sample at P6-SB-18 and P6-SB-37. SVOCs not analyzed. SVOCs detected above GSI in water sample collected at P6-SB-23. Metals detected above DWP and GSI in water sample collected at P6-SB-18 and P6-SB-37.	P6-SB-18 P6-SB-19 P6-SB-35 P6-SB-36 P6-SB-37
						Cobalt	SA 11-5 0.7-2.7(ft BGS)	12.6 {EG}			
						Manganese	SA 11-5 0.7-2.7(ft BGS)	1180 {EG}			
6-82	Former Coal Chute Building	Basement filled with water at the time of the site walkthrough	South of Building 28	15	Coal	Chromium Total	SA 20-3 7-9(ft BGS)	16.1 {G}	No Further Action	VOCs not analyzed. SVOCs not analyzed. No metals detected above criteria (only Cr, Co & Mn analyzed)	P6-SB-40 (SA20-1)
						Cobalt	SA 20-1 4-6(ft BGS)	7.9 {E}			
						Selenium	SA 20-2 14-16(ft BGS)	1.01 {G}			
6-83	Whole Bldg. (Sumps, Pits, Trenches, Former WWTP)	N/A	Power Plant Whole Building	15	Waste Water Treatment Sludge	Chromium Total	SA 7-6 14-16(ft BGS)	20.8 {G}	No Further Action	No VOCs detected. No SVOVs detected. No metals detected above criteria.	P6-SB-16 P6-SB-17
						Selenium	SA 7-4 8-10(ft BGS)	1.31 {G}			
6-87	Oil/Water Separator	Associated with truck dock operations	West of Building 9	5	Used Oil	Chromium Total	SA 9-2 8-10(ft BGS)	7.7 {G}	No Further Action	No VOCs detected. No SVOCs detected. No metals detected above criteria.	P6-SB-21
6-88	Parking Lot Exceedance	NA	NA	0	Unknown	Antimony	SA 34-6 6-8(ft BGS)	30 {E}	Further Action	VOCs detected above DWP and/or GSI criteria at P6-SB-23 @ 7'-8' and at P6-SB-34 @ 7' and 9'-10'. VOCs detected above DWP and GSI in water sample collected from P6-SB-23 and P6-SB-34. VOCs detected at P6-SB-11 @ 1'-2' and 6'-7'; P6-SB-23 @ 0.5'-2.5' and 7'-8'; P6-SB-34 @ 1'-5' and 7'. SVOCs detect above GSI in groundwater sample collected P6-SB-23 and P6-SB-34. SVOCs detected at P6-SB-11 @ 0.5'-2', 6'-7' and 9'-10'; at P6-SB-22 @ 9'-10'; at P6-SB-23 @ 0.5'-2.5', 7'-8' and 10'; at P6-SB-34 @ 7' and 9'-10'. Metals detected above DWP and/or GSI (Sib, Cd, Mn, Hg, Se, Zn) at P6-SB-11 @ 0.5'-2' and 6'-7' and at P6-SB-34 @ 7' and 9'-10'. Metals detected above DWP and GSI in water sample collected at P6-SB-23 and P6-SB-34.	P6-SB-11 P6-SB-22 P6-SB-23 P6-SB-34 (SA-34-6)
						Benzene	SA 34-6 6-8(ft BGS)	0.16 {E}			
						Chromium Total	SA 34-6 6-8(ft BGS)	9.9 {G}			
						Ethylbenzene	SA 34-6 6-8(ft BGS)	1.23 {G}			
						Selenium	SA 34-6 6-8(ft BGS)	1.09 {G}			
						Xylene (total)	SA 34-6 6-8(ft BGS)	8.11 {EG}			
ID 6-36	Building 23 Sumps and Trenches	Sump Pit	Building 23 F17	<5	Unknown	NA	NA	NA	Further Action	VOCs not detected. Positive shake test at P6-SB-25 @ 4.5'. SVOCs not detected. No metals detected above criteria.	P6-SB-24 P6-SB-25 P6-SB-26
ID 6-38		Trench	Building 23 B-F/17-18	<5	Unknown	NA	NA	NA			
ID 6-39		Trench	Building 23 G-H/15-19	<5	Unknown	NA	NA	NA			
ID 6-75		Associated with the repairing and loading of trucks that were formerly used to haul automobile bodies from the Facility to an assembly location	Building 23 F17	<5	Used Automotive Fluids	NA	NA	NA			
Misc Item Data Gap Filler Borings	IDs: 6-22, 6-23, 6-24, 6-25, 6-26, 6-27, 6-28, 6-29, 6-35, 6-45, 6-50, 6-51,6-52, 6-53, 6-54, 6-55, 6-56, 6-57, 6-67, 6-69, 6-70, 6-71, 6-72, 6-73, 6-74, 6-76, 6-77	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	SEE TABLE 2 IN THE RFI WORK PLAN (AUGUST 2011) FOR DESCRIPTIONS	NA	NA	NA	Further Action	VOCs not detected. Positive shake test at P6-SB-6 @ 5'-6'. SVOCs detected at P6-SB-5 @ 1'-2'. No metals detected above criteria.	P6-SB-2 P6-SB-5 P6-SB-6 P6-SB-27
Background Sampling	NA	NA	NA	NA	NA	NA	NA	NA	Further Action	VOCs not analyzed. SVOCs not analyzed. Metals detected above DWP and GSI in water sample collected at P6-SB-10.	P6-SB-3 P6-SB-9 P6-SB-10

Footnotes

NA - not applicable
AOI - Area of Interest
Csat - Part 201 Soil Saturation Concentration Screening Levels
DC - Direct Contact Criteria
DWP - Drinking Water Protection Criteria
ft. - Feet
GSIP - Groundwater Surface Water Interface Protection
LNAPL - Light Non-Aqueous Phase Liquid
NA - Not Applicable
MDEQ - Michigan Department of Environmental Quality
PCBs - Polychlorinated biphenyls

PSIC - Particulate Soil Inhalation Criteria
SWMU - Solid Waste Management Unit
SVIIC - Soil Volatilization to Indoor Air Inhalation Criteria
SVOCs - Semi-Volatile Organic Compounds
VOCs - Volatile Organic Compounds
VSIC - Infinite Source Volatile Soil Inhalation Criteria
RC - restrictive covenant
RWC - Risk-based Redevelopment Worker Contact
TAL - target analyte list (for metals) - note: will include speciation of chromium (trivalent and hexavalent) where noted above
TCL - target compound list (for VOCs and SVOCs)

Sample Concentration Exceedance Codes:

{A} - MDEQ Part 201 Industrial SVIIC
{B} - MDEQ Part 201 Industrial VSIC
{C} - MDEQ Part 201 Industrial PSIC
{D} - MDEQ Part 201 Industrial DC
{E} - MDEQ Part 201 Residential DWP
{F} - Risk-based Redevelopment Worker Contact
{G} - MDEQ Part 201 GSIP
{H} - MDEQ Part 201 Residential SVIIC
{I} - MDEQ Part 201 Residential VSIC
{J} - MDEQ Part 201 Residential PSIC
{K} - MDEQ Part 201 Residential DC
{L} - MDEQ Part 201 Soil Saturation Concentration Screening Levels

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Location ID: Sample Depth(ft): Date Collected:									AOI 6-1				AOI 6-10		AOI 6-11					
									P6-SB-14	P6-SB-14	P6-SB-15	P6-SB-15	P6-SB-29	P6-SB-29	P6-SB-07	P6-SB-07	P6-SB-07	P6-SB-08	P6-SB-08	P6-SB-08
									3 - 4 08/01/11	9 - 10 08/01/11	6 - 7 08/01/11	12 - 13 08/01/11	2 - 3 08/02/11	9 - 10 08/02/11	3 08/09/11	15 - 16 08/09/11	24 - 25 08/09/11	2 - 3 08/09/11	14 - 15 08/09/11	24 - 25 08/09/11
VOCs																				
1,1,1-Trichloroethane	ug/kg	NA	4,000	1,800	4.60E+05(C)	2.50E+05	3.80E+06	6.70E+10	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	ug/kg	NA	170	1,600(X)	53,000	4,300	10,000	5.40E+07	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	ug/kg	NA	100	6,600(X)	1.80E+05	4,600	17,000	1.90E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	ug/kg	NA	140	2,600	2.00E+05	62	1,100	6.20E+07	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	ug/kg	NA	4,200	5,900(X)	9.90E+05(DD)	1.10E+06(C)	2.80E+07	2.50E+10	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	NA	20(M)	110(X)	92	670	1,700	1.40E+07	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	ug/kg	NA	14,000	280	2.10E+05(C)	2.10E+05(C)	3.90E+07	1.00E+11	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	ug/kg	NA	100	4,600(X)	1.40E+05	4,000	25,000	2.70E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	ug/kg	NA	170	680	1.70E+05(C)	26,000	79,000	2.00E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	ug/kg	NA	1,700	360	4.00E+05	19,000	77,000	4.50E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,4-Dioxane	ug/kg	NA	1,700	56,000(X)	5.30E+05	NLV	NLV	5.70E+08	<300	<300	<300	<300	NA	NA	NA	NA	NA	NA	NA	
2-Butanone (Methyl Ethyl Ketone)	ug/kg	NA	2.60E+05	44,000	2.70E+07(C,DD)	2.70E+07(C)	2.90E+07	6.70E+10	<580	<590	<580	<610	NA	NA	NA	NA	NA	NA	NA	
2-Hexanone	ug/kg	NA	20,000	ID	2.50E+06(C)	9.90E+05	1.10E+06	2.70E+09	<580	<590	<580	<610	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	NA	36,000	ID	2.70E+06(C)	2.70E+06(C)	4.50E+07	1.40E+11	<580	<590	<580	<610	NA	NA	NA	NA	NA	NA	NA	
Acetone	ug/kg	NA	15,000	34,000	2.30E+07	1.10E+08(C)	1.30E+08	3.90E+11	<580	<590	<580	<610	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	ug/kg	NA	1,600(W)	ID	1.10E+05	9,200	8.40E+07	9,100	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Bromoform	ug/kg	NA	1,600(W)	ID	8.20E+05	1.50E+05	9.00E+05	2.80E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Bromomethane (Methyl Bromide)	ug/kg	NA	200	700	3.20E+05	860	11,000	3.30E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Carbon disulfide	ug/kg	NA	16,000	ID	2.80E+05(C,DD)	76,000	1.30E+06	4.70E+10	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Carbon tetrachloride	ug/kg	NA	100	900(X)	96,000	190	3,500	1.30E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Chloroform (Trichloromethane)	ug/kg	NA	1,600(W)	7,000	1.20E+06	7,200	45,000	1.30E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
	ug/kg	NA	5,200	ID	1.10E+06(C)	2,300	40,000	4.90E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Cyclohexane	ug/kg	--	--	--	--	--	--	--	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Dibromochloromethane	ug/kg	NA	1,600(W)	ID	1.10E+05	3,900	24,000	1.30E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane (CFC-12)	ug/kg	NA	95,000	ID	1.00E+06(C)	9.00E+05	5.30E+07	3.30E+12	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	ug/kg	NA	91,000	3,200	3.90E+05(C)	3.90E+05(C)	1.70E+06	5.80E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	<100	<100	<100	<100	NA	NA	NA	NA	NA	NA	NA	
Methyl acetate	ug/kg	--	--	--	--	--	--	--	<580	<590	<580	<610	NA	NA	NA	NA	NA	NA	NA	
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Methyl Tert Butyl Ether	ug/kg	NA	800	1.40E+05(X)	1.50E+06	5.90E+06(C)	2.50E+07	2.00E+11	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Styrene	ug/kg	NA	2,700	2,100(X)	4.00E+05	2.50E+05	9.70E+05	5.50E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	ug/kg	NA	100	1,200(X)	88,000(C)	11,000	1.80E+05	5.40E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	ug/kg	NA	100	4,000(X)	5.00E+05(C,DD)	7,100	78,000	1.80E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (CFC-11)	ug/kg	NA	52,000	NA	5.60E+05(C)	5.60E+05(C)	9.20E+07	3.80E+12	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Trifluorotrichloroethane (Freon 113)	ug/kg	NA	5.50E+05(C)	1,700	5.50E+05(C)	5.50E+05(C)	1.80E+08	5.10E+12	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	ug/kg	NA	18,000	15,000	8.90E+05(C)	2.30E+05	2.10E+06	3.30E+10	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	ug/kg	NA	100	7,200(X)	91,000	2,100	6,200	1.20E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	ug/kg	NA	1,400	12,000	6.40E+05(C)	22,000	1.80E+05	2.30E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	ug/kg	NA	2,000	30,000(X)	1.40E+06(C)	23,000	2.80E+05	4.70E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Benzene	ug/kg	NA	100	4,000(X)	1.80E+05	1,600	13,000	3.80E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Chlorobenzene	ug/kg	NA	2,000	500	2.60E+05(C)	1.20E+05	7.70E+05	4.70E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Chloroethane	ug/kg	NA	8,600	22,000(X)	9.50E+05(C)	9.50E+05(C)	3.00E+07	6.70E+11	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	ug/kg	NA	1,500	360	1.40E+05(C)	87,000	7.20E+05	1.00E+10	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Methylene chloride	ug/kg	NA	100	30,000(X)	1.30E+06	45,000	2.10E+05	6.60E+09	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Toluene	ug/kg	NA	16,000	5,400	2.50E+05(C)	2.50E+05(C)	2.80E+06	2.70E+10	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
Vinyl chloride	ug/kg	NA	40	260(X)	3,800	270	4,200	3.50E+08	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
o-Xylene	ug/kg	--	--	--	--	--	--	--	<60	<60	<60	<60	NA	NA	NA	NA	NA	NA	NA	
SVOCs																				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2,4,5-Trichlorophenol	ug/kg	NA	39,000	NA	2.30E+07	NLV	NLV	2.30E+10	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2,4,6-Trichlorophenol	ug/kg	NA	2,400	330(M)	7.10E+05	NLV	NLV	1.00E+09	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2,4-Dichlorophenol	ug/kg	NA	1,500	330(M)	6.60E+05(DD)	NLV	NLV	5.10E+09	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2,4-Dimethylphenol	ug/kg	NA	7,400	7,600	1.10E+07	NLV	NLV	4.70E+09	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	NA	NA	NA	NA	NA	
2,4-Dinitrotoluene	ug/kg	NA	430	NA	48,000	NLV	NLV	1.60E+07	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2-Chloronaphthalene	ug/kg	NA	6.20E+05	NA	5.60E+07	ID	ID	ID	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2-Chlorophenol	ug/kg	NA	900	360	1.40E+06	4.30E+05	9.60E+05	1.20E+09	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2-Methylnaphthalene	ug/kg	NA	57,000	4,200	8.10E+06	2.70E+06	1.50E+06	6.70E+08	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
2-Nitrophenol	ug/kg	NA	400	ID	6.30E+05	NLV	NLV	ID	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
3&4-Methylphenol	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
3,3'-Dichlorobenzidine	ug/kg	NA	2,000(M)	2,000(M)	6,600	NLV	NLV	6.50E+06	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	<40 J	<40 J	<40 J	<40 J	<40 J	<40 J	NA	NA	NA	NA	NA	
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
4-Chloro-3-methylphenol	ug/kg	NA	5,800	280	4.50E+06	NLV	NLV	ID	<40	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40								

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Location ID: Sample Depth(ft): Date Collected:									AOI 6-1				AOI 6-10		AOI 6-11					
									P6-SB-14	P6-SB-14	P6-SB-15	P6-SB-15	P6-SB-29	P6-SB-29	P6-SB-07	P6-SB-07	P6-SB-07	P6-SB-08	P6-SB-08	P6-SB-08
Units	Statewide Default Background	Residential Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential Direct Contact Criteria & RBSLs	Residential Soil Vol to Indoor Air Inhalation Criteria & RBSLs	Residential Infinite Source VSIC & RBSLs	Residential Particulate Soil Inhalation Criteria & RBSLs	3 - 4 08/01/11	9 - 10 08/01/11	6 - 7 08/01/11	12 - 13 08/01/11	2 - 3 08/02/11	9 - 10 08/02/11	3 08/09/11	15 - 16 08/09/11	24 - 25 08/09/11	2 - 3 08/09/11	14 - 15 08/09/11	24 - 25 08/09/11	
SVOCs Cont.																				
Acenaphthylene	ug/kg	NA	5,900	ID	1.60E+06	1.60E+06	2.20E+06	2.30E+09	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Acetophenone	ug/kg	NA	30,000	ID	1.10E+06(C)	1.10E+06(C)	4.40E+07	3.30E+10	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Anthracene	ug/kg	NA	41,000	ID	2.30E+08	1.00E+09(D)	1.40E+09	6.70E+10	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Atrazine	ug/kg	NA	60	150	71,000(DD)	NLV	NLV	ID	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Benzo(a)anthracene	ug/kg	NA	NLL	NLL	20,000	NLV	NLV	ID	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Benzo(a)pyrene	ug/kg	NA	NLL	NLL	2,000	NLV	NLV	1.50E+06	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Benzo(b)fluoranthene	ug/kg	NA	NLL	NLL	20,000	ID	ID	ID	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Benzo(g,h,i)perylene	ug/kg	NA	NLL	NLL	2.50E+06	NLV	NLV	8.00E+08	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Benzo(k)fluoranthene	ug/kg	NA	NLL	NLL	2.00E+05	NLV	NLV	ID	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Biphenyl	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
bis(2-Chloroethyl)ether	ug/kg	NA	100	100(M)	13,000	8,300	3,800	9.40E+06	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	ug/kg	NA	NLL	NLL	2.80E+06	NLV	NLV	7.00E+08	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Butyl benzylphthalate	ug/kg	NA	3.10E+05(C)	1.20E+05(X)	3.10E+05(C)	NLV	NLV	4.70E+10	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Caprolactam	ug/kg	NA	1.20E+05	NA	5.30E+07(DD)	NLV	NLV	6.70E+08	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Carbazole	ug/kg	NA	9,400	1,100	5.30E+05	NLV	NLV	6.20E+07	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Chrysene	ug/kg	NA	NLL	NLL	2.00E+06	ID	ID	ID	<70	<80	<70	<80	<70	NA	NA	NA	NA	NA	NA	
Dibenz(a,h)anthracene	ug/kg	NA	NLL	NLL	2,000	NLV	NLV	ID	<70	<80	<70	<80	<70	NA	NA	NA	NA	NA	NA	
Dibenzofuran	ug/kg	NA	ID	1,700	ID	2.00E+06	1.30E+05	6.70E+06	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Diethyl phthalate	ug/kg	NA	1.10E+05	2,200	7.40E+05(C)	NLV	NLV	3.30E+09	<70	<80	<70	<80	<70	NA	NA	NA	NA	NA	NA	
Dimethyl phthalate	ug/kg	NA	7.90E+05(C)	NA	7.90E+05(C)	NLV	NLV	3.30E+09	<70	<80	<70	<80	<70	NA	NA	NA	NA	NA	NA	
Di-n-butylphthalate	ug/kg	NA	7.60E+05(C)	11,000	7.60E+05(C)	NLV	NLV	3.30E+09	<70	<80	<70	<80	<70	NA	NA	NA	NA	NA	NA	
Di-n-octyl phthalate	ug/kg	NA	1.00E+08	ID	6.90E+06	NLV	NLV	3.10E+10	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Fluoranthene	ug/kg	NA	7.30E+05	5,500	4.60E+07	1.00E+09(D)	7.40E+08	9.30E+09	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Fluorene	ug/kg	NA	3.90E+05	5,300	2.70E+07	5.80E+08	1.30E+08	9.30E+09	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Hexachlorobenzene	ug/kg	NA	1,800	350	8,900	41,000	17,000	6.80E+06	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Hexachlorobutadiene	ug/kg	NA	26,000	91	1.00E+05	1.30E+05	1.30E+05	1.40E+08	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Hexachlorocyclopentadiene	ug/kg	NA	3.20E+05	ID	7.20E+05(C)	30,000	50,000	1.30E+07	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Hexachloroethane	ug/kg	NA	430	1,800(X)	2.30E+05	40,000	5.50E+05	2.30E+08	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Indeno(1,2,3-cd)pyrene	ug/kg	NA	NLL	NLL	20,000	NLV	NLV	ID	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Isophorone	ug/kg	NA	15,000	26,000(X)	2.40E+06(C)	NLV	NLV	1.20E+10	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Naphthalene	ug/kg	NA	35,000	730	1.60E+07	2.50E+05	3.00E+05	2.00E+08	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Nitrobenzene	ug/kg	NA	330(M)	3,600(X)	1.00E+05	91,000	54,000	4.70E+07	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
N-Nitrosodi-n-propylamine	ug/kg	NA	330(M)	NA	1,200	NLV	NLV	1.60E+06	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
N-Nitrosodiphenylamine	ug/kg	NA	5,400	NA	1.70E+06	NLV	NLV	2.20E+09	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Pentachlorophenol	ug/kg	NA	22	17,000(G,X)	90,000	NLV	NLV	1.00E+08	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Phenanthrene	ug/kg	NA	56,000	2,100	1.60E+06	2.80E+06	1.60E+05	6.70E+06	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Phenol	ug/kg	NA	88,000	9,000	1.20E+07(C,DD)	NLV	NLV	4.00E+10	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
Pyrene	ug/kg	NA	4.80E+05	ID	2.90E+07	1.00E+09(D)	6.50E+08	6.70E+09	<40	<40	<40	<40	<40	NA	NA	NA	NA	NA	NA	
PCBs																				
Aroclor-1016 (PCB-1016)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1221 (PCB-1221)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1232 (PCB-1232)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1242 (PCB-1242)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1248 (PCB-1248)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1254 (PCB-1254)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
Aroclor-1260 (PCB-1260)	ug/kg	--	--	--	--	--	--	--	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
Total PCBs	ug/kg	NA	NLL	NLL	(T)	3.00E+06	2.40E+05	5.20E+06	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	
Inorganics																				
Antimony	mg/kg	NA	4.3	94(X)	180	NLV	NLV	13,000	<0.220	<0.220	<0.220	<0.110	<0.100	<0.110	<0.110	<0.110	<0.120	<0.110	<0.110 [<0.110]	<0.110
Arsenic	mg/kg	5.8	4.6	4.6	7.6	NLV	NLV	720	1.12	0.890	1.08	1.22	1.13	0.440	1.31	1.65	1.70			

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

	AOI 6-14		AOI 6-16 & 6-33		AOI 6-17							AOI 6-18				AOI 6-47
Location ID:	P6-SB-01	P6-SB-01	P6-SB-43	P6-SB-43	P6-SB-33	P6-SB-33	P6-SB-42	P6-SB-42	VEW-5	VEW-5	VEW-5	P6-SB-12	P6-SB-12	P6-SB-13	P6-SB-13	P6-SB-04
Sample Depth(ft): Date Collected:	2 - 3 08/02/11	9 - 10 08/02/11	1 - 3 07/25/11	15 - 20 07/25/11	7 - 8 08/08/11	19 - 20 08/08/11	1 - 2 08/04/11	6 - 7 08/04/11	3 - 4 08/08/11	10 - 11 08/08/11	19 - 20 08/08/11	1 07/27/11	9 - 10 07/27/11	1 - 1.5 07/27/11	9 - 10 07/27/11	1 - 2 08/05/11
VOCS																
1,1,1-Trichloroethane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,1,2,2-Tetrachloroethane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,1,2-Trichloroethane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,1-Dichloroethene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,2,4-Trichlorobenzene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,2-Dibromo-3-chloropropane (DBCP)	<3.0	<3.0	<3.0	<3.0 [<3.0]	<2.0 J	<3.0 J	<2.0 J	<3.0 J	<2.0 J	<2.0 J [<2.0 J]	<2.0 J	<3.0 J	<3.0 J [<3.0 J]	<3.0 J	<3.0 J	<3.0 [<3.0]
1,2-Dibromoethane (Ethylene Dibromide)	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0 J	<1.0 J	<0.90 J	<1.0 J	<1.0 J	<1.0 J [<1.0 J]	<1.0 J	<1.0	<1.0 [<1.0]	<1.0	<1.0	<1.0 [<1.0]
1,2-Dichlorobenzene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,2-Dichloropropane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,3-Dichlorobenzene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,4-Dichlorobenzene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,4-Dioxane	<300	<300	<300	<300 [<300]	<300 J	<300 J	<300 J	<300 J	<300 J	<300 J [<300 J]	<300 J	<300	<300 [<300]	<300	<300	<300 [<300]
2-Butanone (Methyl Ethyl Ketone)	<630	<620	<640	<610 [<590]	<500 J	<500 J	<460 J	<510 J	<490 J	<4,900 J [<490 J]	<500 J	<580	<650 [<630]	<570	<650	<600 [<600]
2-Hexanone	<630	<620	<640	<610 [<590]	<500 J	<500 J	<460 J	<510 J	<490 J	<4,900 J [<490 J]	<500 J	<580	<650 [<630]	<570	<650	<600 [<600]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	<630	<620	<640	<610 [<590]	<500 J	<500 J	<460 J	<510 J	<490 J	<4,900 J [<490 J]	<500 J	<580	<650 [<630]	<570	<650	<600 [<600]
Acetone	<630	<620	<640	<610 [<590]	<500 J	<500 J	<460 J	<510 J	<490 J	<4,900 J [1,500 J]	<500 J	<580	<650 [<630]	<570	<650	<600 [<600]
Bromodichloromethane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Bromoform	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Bromomethane (Methyl Bromide)	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Carbon disulfide	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Carbon tetrachloride	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Chloroform (Trichloromethane)	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
cis-1,3-Dichloropropene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Cyclohexane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	12,000 J [26,000 DJ]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Dibromochloromethane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Dichlorodifluoromethane (CFC-12)	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Isopropylbenzene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	570 J	<50 J	900 J [1,300 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
m&p-Xylene	<100	<100	<100	<100 [<100]	<100 J	<100 J	90 J	1,000 J	<100 J	3,000 J [6,100 J]	<100 J	<100	<100 [<100]	200	<100	<100 [<100]
Methyl acetate	<630	<620	<640	<610 [<590]	<500 J	<500 J	<460 J	<510 J	<490 J	<4,900 J [<490 J]	<500 J	<2,400	<650 [<630]	<570	<650	<600 [<600]
Methyl cyclohexane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	240 J	70 J	15,000 J [31,000 DJ]	<50 J	<60	<70 [<60]	<60	90	<60 [<60]
Methyl Tert Butyl Ether	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Styrene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Tetrachloroethene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
trans-1,3-Dichloropropene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Trichloroethene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Trichlorofluoromethane (CFC-11)	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Trifluorotrichloroethane (Freon 113)	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 T	<50 T	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,1-Dichloroethane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
1,2-Dichloroethane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
cis-1,2-Dichloroethene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
trans-1,2-Dichloroethene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Benzene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	3,300 J (RDWP,RSVIA) [3,100 J (RDWP,RSVIA)]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Chlorobenzene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Chloroethane	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Ethylbenzene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	250 J	<50 J	700 J (GSIP) [2,300 J (RDWP,GSIP)]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Methylene chloride	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	<50 J	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
Toluene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	370 J	<50 J	<500 J [190 J]	<50 J	<60	<70 [<60]	<60	460	<60 [<60]
Vinyl chloride	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 T	<50 T	<50 J	<500 J [<50 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
o-Xylene	<60	<60	<60	<60 [<60]	<50 J	<50 J	<50 J	740 J	<50 J	<500 J [310 J]	<50 J	<60	<70 [<60]	<60	<70	<60 [<60]
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
2,4,5-Trichlorophenol	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 [<40]	<40	<40	<40 [<40]
2,4,6-Trichlorophenol	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 [<40]	<40	<40	<40 [<40]
2,4-Dichlorophenol	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 [<40]	<40	<40	<40 [<40]
2,4-Dimethylphenol	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 [<40]	<40	<40	<40 [<40]
2,4-Dinitrophenol	<40 J	<40 J	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 J [<40 J]	<40 J	<40 J	<40 J [<40 J]
2,4-Dinitrotoluene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
2,6-Dinitrotoluene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
2-Chloronaphthalene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
2-Chlorophenol	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 [<40]	<40	<40	<40 [<40]
2-Methylnaphthalene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
2-Methylphenol	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 [<40]	<40	<40	<40 [<40]
2-N																

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Location ID: Sample Depth(ft): Date Collected:	AOI 6-14		AOI 6-16 & 6-33		AOI 6-17							AOI 6-18				AOI 6-47
	P6-SB-01	P6-SB-01	P6-SB-43	P6-SB-43	P6-SB-33	P6-SB-33	P6-SB-42	P6-SB-42	VEW-5	VEW-5	VEW-5	P6-SB-12	P6-SB-12	P6-SB-13	P6-SB-13	P6-SB-04
	2 - 3 08/02/11	9 - 10 08/02/11	1 - 3 07/25/11	15 - 20 07/25/11	7 - 8 08/08/11	19 - 20 08/08/11	1 - 2 08/04/11	6 - 7 08/04/11	3 - 4 08/08/11	10 - 11 08/08/11	19 - 20 08/08/11	1 07/27/11	9 - 10 07/27/11	1 - 1.5 07/27/11	9 - 10 07/27/11	1 - 2 08/05/11
SVOCs Cont.																
Acenaphthylene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Acetophenone	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Anthracene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Atrazine	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Benzaldehyde	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Benzo(a)anthracene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	80	<40 [<40]	<40	<40	50 [<40]
Benzo(a)pyrene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	90 J	<40 [<40]	<40	<40	60 [<40]
Benzo(b)fluoranthene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	120 J	<40 [<40]	<40	<40	60 [<40]
Benzo(g,h,i)perylene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40 J	<40 [<40]	<40	<40	<40 [<40]
Benzo(k)fluoranthene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	120 J	<40 [<40]	<40	<40	50 [<40]
Biphenyl	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
bis(2-Chloroethoxy)methane	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
bis(2-Chloroethyl)ether	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
bis(2-Ethylhexyl)phthalate	<40	<40	<40	<40 [<50]	NA	NA	NA	NA	NA	NA	NA	60	<40 [<40]	<40	<40	40 [40]
Butyl benzylphthalate	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Caprolactam	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Carbazole	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Chrysene	<80	<40	<80	<70 [<70]	NA	NA	NA	NA	NA	NA	NA	110	<80 [<80]	<70	<80	<70 [<70]
Dibenz(a,h)anthracene	<80	<40	<80	<70 [<70]	NA	NA	NA	NA	NA	NA	NA	<70 J	<80 [<80]	<70	<80	<70 [<70]
Dibenzofuran	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Diethyl phthalate	<80	<40	<80	<70 [<70]	NA	NA	NA	NA	NA	NA	NA	<70	<80 [<80]	<70	<80	<70 [<70]
Dimethyl phthalate	<80	<40	<80	<70 [<70]	NA	NA	NA	NA	NA	NA	NA	<70	<80 [<80]	<70	<80	<70 [<70]
Di-n-butylphthalate	<80	<40	<80	<70 [<70]	NA	NA	NA	NA	NA	NA	NA	<70	<80 [<80]	<70	1,800	<70 [<70]
Di-n-octyl phthalate	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40 J	<40 [<40]	<40	<40	<40 [<40]
Fluoranthene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	120	<40 [<40]	<40	<40	100 [40]
Fluorene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Hexachlorobenzene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Hexachlorobutadiene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Hexachlorocyclopentadiene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Hexachloroethane	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Indeno(1,2,3-cd)pyrene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	40 J	<40 [<40]	<40	<40	<40 [<40]
Isophorone	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Naphthalene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Nitrobenzene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
N-Nitrosodi-n-propylamine	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
N-Nitrosodiphenylamine	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	<40	<40 [<40]	<40	<40	<40 [<40]
Pentachlorophenol	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 [<40]	<40	<40	<40 [<40]
Phenanthrene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	50	<40 [<40]	<40	<40	50 [<40]
Phenol	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	< 40 R	<40 [<40]	<40	<40	<40 [<40]
Pyrene	<40	<40	<40	<40 [<40]	NA	NA	NA	NA	NA	NA	NA	150	<40 [<40]	<40	<40	90 [70]
PCBs																
Aroclor-1016 (PCB-1016)	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	<0.110	<0.110	<0.240	NA	NA	NA	NA	NA	NA	NA	NA	1.31	0.680 [<0.220]	<0.230	<0.240	<0.110 [<0.110]
Arsenic	1.07	1.32	1.00	NA	NA	NA	NA	NA	NA	NA	NA	1.85	1.00 [0.850]	0.750	1.21	1.28 [1.18]
Barium	50.4	36.9	50.0	NA	NA	NA	NA	NA	NA	NA	NA	186	240 [137]	29.4	104	27.6 [22.2]
Beryllium	0.290	0.210	0.240	NA	NA	NA	NA	NA	NA	NA	NA	0.260	0.260 [0.270]	<0.170	0.350	0.170 [0.180]
Boron	<4.50	<4.36	<0.350	NA	NA	NA	NA	NA	NA	NA	NA	14.9 (RDWP)	<1.46 [<1.04]	<0.530	<1.36	<4.32 [<4.58]
Cadmium	0.150	<0.110	<0.0800	NA	NA	NA	NA	NA	NA	NA	NA	0.260	0.270 [<0.170]	<0.0900	0.350	<0.110 [0.120]
Chromium Total	3.38	6.11	4.09	NA	NA	NA	NA	NA	NA	NA	NA	11.6	4.92 [4.34]	2.83	5.33	2.70 [2.69]
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.00	<1.00	<1.00	NA	<1.00
Cobalt	3.22	3.41	1.85	NA	NA	NA	NA	NA	NA	NA	NA	2.47	3.99 [4.09]	1.83	4.82	2.37 [2.25]
Copper	4.54	4.39	6.37	NA	NA	NA	NA	NA	NA	NA	NA	38.5	7.32 [7.53]	2.18	10.2	7.44 [7.65]
Manganese	323	236	162	NA	NA	NA	NA	NA	NA	NA	NA	126	457 (RDWP,GSIP) [575 (RDWP,GSIP)]	598 (RDWP,GSIP)	341	221 [206]
Mercury	0.0247	0.00850	<0.0486	<0.0102 [<0.00990]	NA	NA	NA	NA	NA	NA	NA	<0.0195	<0.0159 [<0.0135]	<0.0139	<0.0273	0.0212 [0.0243]
Nickel	5.08	6.73	3.27	NA	NA	NA	NA	NA	NA	NA	NA	9.06	6.59 [6.94]	4.96	5.66	5.40 [4.76]
Selenium	0.190	<0.110	<0.240	NA	NA	NA	NA	NA	NA	NA	NA	<0.230	<0.230 [<0.220]	<0.230	<0.240	0.230 [0.150]
Silver	<0.110	<0.110	<0.120	NA	NA	NA	NA	NA	NA	NA	NA	<0.110	<0.120 [<0.110]	<0.110	<0.120	<0.110 [<0.110]
Thallium	<0.110	<0.110	<0.0200	NA	NA	NA	NA	NA	NA	NA	NA	<0.0500	<0.0500 [<0.0400]	<0.0300	<0.0400	<0.110 [<0.110]
Vanadium	6.06	5.59	7.05	NA	NA	NA	NA	NA	NA	NA	NA	10.8	6.74 [7.28]	3.09	7.39	5.30 [5.92]
Lead	4.69	4.80	6.29	3.85 [4.03]	NA	NA	NA	NA	NA	NA	NA	49.3	18.6 [10.2]	5.45	27.2	8.41 [10.8]
Zinc	7.23	8.49	10.6	NA	NA	NA	NA	NA	NA	NA	NA	39.0	23.1 [14.3]	7.39	32.4	11.2 [12.2]
Miscellaneous																
Total Solids	86	87	87	89 [91]	NA	NA	NA	NA	NA	NA	NA	92	87 [88]	94	87	89 [89]

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Location ID: Sample Depth(ft): Date Collected:	AOI 6-48				AOI 6-49		AOI 6-60												AOI 6-81	
	P6-SB-38	P6-SB-38	P6-SB-39	P6-SB-39	P6-SB-20	P6-SB-20	P6-SB-30	P6-SB-30	P6-SB-31	P6-SB-31	P6-SB-32	P6-SB-32	P6-SB-32	P6-SB-32	P6-SB-41	P6-SB-41	P6-SB-41	P6-SB-18	P6-SB-18	
	2 - 3 07/28/11	9 - 10 07/28/11	2 - 3 07/28/11	9 - 10 07/28/11	4 - 5 08/02/11	13 - 14 08/02/11	4 08/09/11	9 - 10 08/09/11	3.5 - 4.5 08/09/11	9 - 10 08/09/11	4 - 5 08/08/11	11 - 12 08/08/11	19 - 20 08/08/11	4 - 5 08/08/11	8 - 9 08/08/11	25 08/08/11	1 - 2 08/03/11	9 - 10 08/03/11		
VOCs																				
1,1,1-Trichloroethane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,1,2-Trichloroethane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,1-Dichloroethene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,2,4-Trichlorobenzene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	NA	<3.0	<3.0	<2.0 J	<2.0 J	<2.0 J [<2.0 J]	<3.0 J	<3.0 J	<2.0 J	<2.0 J	<2.0 J	<3.0 J	<2.0 J	<3.0 J	<3.0 [<3.0]	<3.0	
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	NA	<1.0	<1.0	<1.0 J	<1.0 J	<1.0 J [<1.0 J]	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 [<1.0]	<1.0	
1,2-Dichlorobenzene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,2-Dichloropropane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,3-Dichlorobenzene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,4-Dichlorobenzene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60	
1,4-Dioxane	NA	NA	NA	NA	<300	<300	<300 J	<300 J	<300 J [<300 J]	<300 J	<300 J	<300 J	<300 J	<300 J	<300 J	<300 J	<300 J	<300 [<300]	<300	
2-Butanone (Methyl Ethyl Ketone)	NA	NA	NA	NA	<670	<580	<490 J	<490 J	<490 J [<500 J]	<500 J	<510 J	<490 J	<490 J	<500 J	2,600 J	<500 J	<630 [<640]	<610		
2-Hexanone	NA	NA	NA	NA	<670	<580	<490 J	<490 J	<490 J [<500 J]	<500 J	<510 J	<490 J	<490 J	<500 J	<700 J	<500 J	<630 [<640]	<610		
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	NA	<670	<580	<490 J	<490 J	<490 J [<500 J]	<500 J	<510 J	<490 J	<490 J	<500 J	50,000 DJ (RDWP)	<500 J	<630 [<640]	<610		
Acetone	NA	NA	NA	NA	<670	<580	<490 J	<490 J	<490 J [<500 J]	<500 J	<510 J	<490 J	<490 J	<500 J	20,000 DJ (RDWP)	<500 J	<630 [<640]	<610		
Bromodichloromethane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Bromoform	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Bromomethane (Methyl Bromide)	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Carbon disulfide	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Carbon tetrachloride	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Chloroform (Trichloromethane)	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
cis-1,3-Dichloropropene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Cyclohexane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<3,700 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Dibromochloromethane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<60 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Isopropylbenzene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	260 J	6,900 J (GSIP)	<50 J	<50 J	5,800 J (GSIP)	<50 J	<60 [<60]	<60		
m&p-Xylene	NA	NA	NA	NA	<100	<100	<100 J	<100 J	<100 J [<100 J]	<100 J	1,300 J	42,000 DJ	<100 J	2,700 J	340,000 EJ	<100 J	<100 [<100]	<100		
Methyl acetate	NA	NA	NA	NA	<670	<580	<490 J	<490 J	<490 J [<500 J]	<500 J	<510 J	<490 J	<490 J	<500 J	<500 J	<500 J	<630 [<640]	<610		
Methyl cyclohexane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	4,400 J	100 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Methyl Tert Butyl Ether	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Styrene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Tetrachloroethene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	510 J (RDWP)	<50 J	<60 [<60]	<60	
trans-1,3-Dichloropropene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Trichloroethene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	50 J	<50 J	<60 [<60]	<60	
Trichlorofluoromethane (CFC-11)	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Trifluorotrchloroethane (Freon 113)	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
1,1-Dichloroethane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
1,2-Dichloroethane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
cis-1,2-Dichloroethene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
trans-1,2-Dichloroethene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Benzene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	450 J (RDWP)	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Chlorobenzene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Chloroethane	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Ethylbenzene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	490 J (GSIP)	8,000 J (RDWP,GSIP)	<50 J	1,500 J (RDWP,GSIP)	170,000 DJ (RDWP,GSIP,RDC,RSVIA)	<50 J	<60 [<60]	<60		
Methylene chloride	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
Toluene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	50 J	1,200 J	<50 J	<50 J	37,000 DJ (RDWP,GSIP)	<50 J	<60 [<60]	<60		
Vinyl chloride	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<50 J	<60 [<60]	<60		
o-Xylene	NA	NA	NA	NA	<70	<60	<50 J	<50 J	<50 J [<50 J]	<50 J	190 J	20,000 DJ	<50 J	280 J	140,000 DJ	<50 J	<60 [<60]	<60		
SVOCs																				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
3,3'-Dichlorobenz																				

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Location ID: Sample Depth(ft): Date Collected:	AOI 6-48				AOI 6-49		AOI 6-60										AOI 6-81	
	P6-SB-38	P6-SB-38	P6-SB-39	P6-SB-39	P6-SB-20	P6-SB-20	P6-SB-30	P6-SB-30	P6-SB-31	P6-SB-31	P6-SB-32	P6-SB-32	P6-SB-32	P6-SB-32	P6-SB-41	P6-SB-41	P6-SB-41	P6-SB-18
	2 - 3 07/28/11	9 - 10 07/28/11	2 - 3 07/28/11	9 - 10 07/28/11	4 - 5 08/02/11	13 - 14 08/02/11	4 08/09/11	9 - 10 08/09/11	3.5 - 4.5 08/09/11	9 - 10 08/09/11	4 - 5 08/08/11	11 - 12 08/08/11	19 - 20 08/08/11	4 - 5 08/08/11	8 - 9 08/08/11	25 08/08/11	1 - 2 08/03/11	9 - 10 08/03/11
SVOCs Cont.																		
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																		
Aroclor-1016 (PCB-1016)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																		
Antimony	NA	NA	NA	NA	<0.120	<0.110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	1.52	1.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	52.2	31.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	0.430	0.130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	NA	NA	NA	NA	<4.72	<4.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	0.410	<0.110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	8.00	3.57	3.99	4.44	2.73	2.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.70 [2.27]	3.67
Chromium VI (Hexavalent)	<2.00	NA	NA	<1.00	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	4.84	3.65	1.91	6.28	4.46	4.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.03 [3.19]	2.59
Copper	NA	NA	NA	NA	5.49	3.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	170	253	18.1	322	621 (RDWP,GSIP)	267	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	244 [387]	208
Mercury	NA	NA	NA	NA	0.0397	0.00820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	3.18	7.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	0.250	0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	<0.120	<0.110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	<0.120	<0.110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	16.5	3.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	8.05	3.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	14.2	7.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																		
Total Solids	80	88	86	92	83	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87 [86]	88

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Location ID: Sample Depth(ft): Date Collected:	AOI 6-81									AOI 6-82			AOI 6-83						AOI 6-87	
	P6-SB-19	P6-SB-19	P6-SB-35	P6-SB-35	P6-SB-36	P6-SB-36	P6-SB-37	P6-SB-37	P6-SB-37	P6-SB-40	P6-SB-40	P6-SB-40	P6-SB-16	P6-SB-16	P6-SB-16	P6-SB-17	P6-SB-17	P6-SB-17	P6-SB-21	P6-SB-21
	2 - 3 08/10/11	14 - 15 08/10/11	1 - 2 08/02/11	9 - 10 08/02/11	1.5 - 2.5 08/03/11	9 - 10 08/03/11	1 - 2 08/03/11	5 - 5.5 08/03/11	9 - 10 08/03/11	10 07/28/11	20 07/28/11	35 07/28/11	2 - 3 08/01/11	13 - 14 08/01/11	19 - 20 08/01/11	1 - 2 08/01/11	10 - 11 08/01/11	19 - 20 08/01/11	4 - 5 08/02/11	9 - 10 08/02/11
SVOCs Cont.																				
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Acetophenone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Atrazine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40 J
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40 J
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40 J
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40 J
Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Butyl benzylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Caprolactam	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	<70	<70	<70	<80	<70	<80	<80
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	<70	<70	<70	<80	<70	<80	<80 J
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	<70	<70	<70	<80	<70	<80	<80
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	<70	<70	<70	<80	<70	<80	<80
Di-n-butylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	<70	<70	<70	<80	<70	<80	<80
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40 J
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40 J
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40	<40	<40	<40	<40	<40
PCBs																				
Aroclor-1016 (PCB-1016)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																				
Antimony	<0.120	<0.120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.220	<0.220	<0.240	<0.230	<0.210	<0.230	<0.110	<0.110
Arsenic	1.80	1.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.34	1.22	1.72	1.28	1.58	2.02	1.29	1.23
Barium	31.2	16.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.2	17.3	21.8	47.6	28.6	19.2	28.1	23.5
Beryllium	0.190	0.160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.360	0.150	0.150	0.230	0.250	0.160	0.180	0.150
Boron	<4.72	<4.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.86	2.16	2.30	2.68	2.62	4.40	<4.38	<4.30
Cadmium	<0.120	<0.120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.140	0.150	0.0700	0.110	0.140	0.0800	<0.110	<0.110
Chromium Total	4.35	4.94	3.29	3.15	2.63 [2.83]	2.70	3.43	<0.260	1.91 [2.22]	3.28	3.63	1.88	4.43	2.82	3.03	6.19	4.63	4.22	3.43	6.94
Chromium VI (Hexavalent)	NA	NA	<1.00	NA	<1.00	NA	NA	<1.00	NA	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	4.53	4.13	1.72	1.35	1.01 [1.07]	1.99	2.49	1.62	3.07 [1.79]	2.97	2.76	1.50	5.64	2.61	2.99	4.22	3.44	2.95	3.26	3.13
Copper	7.10	11.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.89	6.34	6.69	6.70	10.0	8.30	4.90	10.3
Manganese	362	277	175	141	203 [196]	220	137	22.4	201[158]	NA	NA	NA	304	190	265	283	271	228	253	183
Mercury	0.0858	0.00980	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00940	0.00710	0.00750	0.0103	0.0125	0.0174	0.0140	<0.00570
Nickel	8.59	13.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.80	6.00	6.25	8.37	7.80	7.29	8.22	7.37
Selenium	0.150	0.260	NA	NA	NA	NA	NA	NA	NA	<0.230	<0.230	<0.250	<0.220	<0.220	<0.240	<0.230	<0.210	<0.230	0.120	0.230
Silver	<0.120	<0.120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.110	<0.110	<0.120	<0.120	<0.110	<0.120	<0.110	<0.110
Thallium	<0.120	<0.120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0500	0.0700	0.110	0.0300	0.0800	0.0800	<0.110	<0.110
Vanadium	6.64	6.87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.44	4.52	5.24	7.03	7.01	6.40	4.75	5.12
Lead	4.98	4.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.31	3.15	3.90	4.88	4.80	3.79	3.67	4.13
Zinc	11.5	16.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.7	10.4	11.6	13.7	19.2	12.9	10.4	11.4
Miscellaneous																				
Total Solids	89	89	89	79	86 [86]	88	87	64	90 [89]	83	90	84	87	90	89	90	88	90	88	85

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

	AOI 6-88												AOI ID 6-36, ID 6-38, ID 6-39, ID 6-75								Miscellaneous Item Data Gap Fillers	
Location ID:	P6-SB-11	P6-SB-11	P6-SB-11	P6-SB-11	P6-SB-22	P6-SB-22	P6-SB-23	P6-SB-23	P6-SB-23	P6-SB-34	P6-SB-34	P6-SB-34	P6-SB-24	P6-SB-24	P6-SB-25	P6-SB-25	P6-SB-26	P6-SB-26	P6-SB-02	P6-SB-02		
Sample Depth(ft): Date Collected:	0.5 - 2 07/26/11	1 - 2 07/27/11	6 - 7 07/27/11	9 - 10 07/27/11	3 - 5 07/26/11	9 - 10 07/26/11	0.5 - 2.5 07/26/11	7 - 8 07/26/11	10 07/26/11	1 - 5 07/26/11	7 07/26/11	9 - 10 07/26/11	3 - 5 07/25/11	5 - 10 07/25/11	1 - 3 07/25/11	5 - 10 07/25/11	1 - 3 07/25/11	5 - 10 07/25/11	2 - 3 08/10/11	29 - 30 08/10/11		
VOCs																						
1,1,1-Trichloroethane	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,1,2,2-Tetrachloroethane	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,1,2-Trichloroethane	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,1-Dichloroethene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,2,4-Trichlorobenzene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,2-Dibromo-3-chloropropane (DBCP)	<3.0	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<3.0 J	<5.0	<5.0	<5.0	<4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 J [<3.0 J]	<3.0		
1,2-Dibromoethane (Ethylene Dibromide)	<1.0 J	<1.0	<1.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0 J	<2.0 J	<2.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0		
1,2-Dichlorobenzene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,2-Dichloropropane	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,3-Dichlorobenzene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,4-Dichlorobenzene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
1,4-Dioxane	<300	<300	<300	<300	<300	<300	<300	<300	<300	<500	<500	<500	<400	<300	<300	<300	<300	<300	<300 [<300]	<300		
2-Butanone (Methyl Ethyl Ketone)	<680	<630	<660	<700	<680	<700	<520	<690	<690	<960	<980	<980	<700	<690	<610	<650	<640	<610	<600 [<590]	<620		
2-Hexanone	<680	<630	<660	<700	<680	<700	<520	<690	<690	<960	<980	<980	<700	<690	<610	<650	<640	<610	<600 [<590]	<620		
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	<680	<630	<660	<700	<680	<700	<520	<690	<690	<960	<980	<980	<700	<690	<610	<650	<640	<610	<600 [<590]	<620		
Acetone	<680	<630	<660	<700	<680	<700	<520	<690	<690	<960	<980	<980	<700	<690	<610	<650	<640	<610	<600 [<590]	<620		
Bromodichloromethane	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Bromoform	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Bromomethane (Methyl Bromide)	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Carbon disulfide	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Carbon tetrachloride	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Chloroform (Trichloromethane)	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
cis-1,3-Dichloropropene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Cyclohexane	<120	<60	<70	<70	<70	<70	<50	<70	<70	<200	<800	<70	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Dibromochloromethane	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Dichlorodifluoromethane (CFC-12)	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Isopropylbenzene	<70	<60	<70	130	<70	<70	<50	140	<70	<100	700	100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
m&p-Xylene	<100	<100	200	<90	<100	200	<100	2,300	600	400	11,000	1,300	<100	<100	<100	<100	<100	<100	<100 [<100]	<100		
Methyl acetate	<680	<630	<660	<700	<680	<700	<520	<690	<690	<960	<980	<980	<700	<690	<610	<650	<640	<610	<600 [<590]	<620		
Methyl cyclohexane	200	<60	1,000	290	<70	<70	70	460	120	1,000	4,800	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Methyl Tert Butyl Ether	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Styrene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
Tetrachloroethene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	<70	<60	<70	<60	<60	<60 [<60]	<60		
trans-1,3-Dichloropropene	<70	<60	<70	<70	<70	<70	<50	<70	<70	<100	<100	<100	<70	&								

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

	AOI 6-88												AOI ID 6-36, ID 6-38, ID 6-39, ID 6-75								Miscellaneous Item Data Gap Fillers	
Location ID:	P6-SB-11	P6-SB-11	P6-SB-11	P6-SB-11	P6-SB-22	P6-SB-22	P6-SB-23	P6-SB-23	P6-SB-23	P6-SB-34	P6-SB-34	P6-SB-34	P6-SB-24	P6-SB-24	P6-SB-25	P6-SB-25	P6-SB-26	P6-SB-26	P6-SB-02	P6-SB-02		
Sample Depth(ft): Date Collected:	0.5 - 2 07/26/11	1 - 2 07/27/11	6 - 7 07/27/11	9 - 10 07/27/11	3 - 5 07/26/11	9 - 10 07/26/11	0.5 - 2.5 07/26/11	7 - 8 07/26/11	10 07/26/11	1 - 5 07/26/11	7 07/26/11	9 - 10 07/26/11	3 - 5 07/25/11	5 - 10 07/25/11	1 - 3 07/25/11	5 - 10 07/25/11	1 - 3 07/25/11	5 - 10 07/25/11	2 - 3 08/10/11	29 - 30 08/10/11		
SVOCs Cont.																						
Acenaphthylene	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Acetophenone	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Anthracene	<50	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Atrazine	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Benzaldehyde	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Benzo(a)anthracene	<120	60 J	<40	<40	<40	<40	<110 J	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Benzo(a)pyrene	<120	80 J	<40	<40	<40 J	<40	170 J	<40	<40	<50 J	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Benzo(b)fluoranthene	<130	180 J	<40	<40	<40 J	<40	230 J	<40	<40	<50 J	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Benzo(g,h,i)perylene	<50	70 J	<40	<40	<40 J	<40	120 J	<40	<40	<50 J	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Benzo(k)fluoranthene	<110	170 J	<40	<40	<40 J	<40	200 J	<40	<40	<50 J	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Biphenyl	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
bis(2-Chloroethoxy)methane	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
bis(2-Chloroethyl)ether	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
bis(2-Ethylhexyl)phthalate	<40	40 J	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Butyl benzylphthalate	<40	<40 J	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Caprolactam	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Carbazole	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Chrysene	<160	90 J	<80	<80	<80	<80	<200 J	<80	<80	<100	<200	<100	<500	<80	<70	<80	<80	<70	<70	<70		
Dibenz(a,h)anthracene	<80	<200 J	<80	<80	<80 J	<80	<80	<80	<80	<100 J	<200	<100	<500	<80	<70	<80	<80	<70	<70	<70		
Dibenzofuran	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Diethyl phthalate	<80	<70	<80	<80	<80	<80	<100	<80	<80	<100	<200	<100	<500	<80	<70	<80	<80	<70	<70	<70		
Dimethyl phthalate	<80	<70	<80	<80	<80	<80	<100	<80	<80	<100	<200	<100	<500	<80	<70	<80	<80	<70	<70	<70		
Di-n-butylphthalate	<80	<70	<80	<80	<80	<80	<100	<80	<80	<100	<200	<100	<500	<80	<70	<80	<80	<70	<70	<70		
Di-n-octyl phthalate	<40	<100 J	<40	<40	<40 J	<40	<40	<40	<40	<50 J	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Fluoranthene	<240	<80	<40	<40	<40	<40	<210	<40	<40	50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Fluorene	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Hexachlorobenzene	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Hexachlorobutadiene	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Hexachlorocyclopentadiene	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Hexachloroethane	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Indeno(1,2,3-cd)pyrene	<40	60 J	<40	<40	<40 J	<40	90 J	<40	<40	<50 J	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Isophorone	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Naphthalene	<40	<40	140	<40	<40	<40	<70	70	<140	<50	100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Nitrobenzene	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
N-Nitrosodi-n-propylamine	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
N-Nitrosodiphenylamine	<40	<40	<40	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Pentachlorophenol	<40	<40	< 40 R	<40	<40	<40	<70	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Phenanthrene	<180	<60	<40	<40	<40	<40	<90	<40	<40	<50	<100	<50	<200	<40	<40	<40	<40	<40	<40	<40		
Phenol	<40																					

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Location ID:	Miscellaneous Item Data Gap Fillers							Background Samples							Monitoring Well		
	P6-SB-05	P6-SB-05	P6-SB-06	P6-SB-06	P6-SB-27	P6-SB-27	P6-SB-27	P6-SB-03	P6-SB-03	P6-SB-09	P6-SB-09	P6-SB-10	P6-SB-10	P6-SB-10	P6-MW-01	P6-MW-01	P6-MW-01
Sample Depth(ft): Date Collected:	1 - 2 08/04/11	27 - 28 08/04/11	6 - 7 08/03/11	28 - 29 08/03/11	4 - 5 08/03/11	22 - 23 08/03/11	26 - 27 08/03/11	5 07/25/11	24 - 26 07/25/11	10 07/27/11	20 07/27/11	1.5 07/27/11	6 07/27/11	18 - 19 07/27/11	2 - 3 08/05/11	16 - 17 08/05/11	23 08/05/11
VOCs																	
1,1,1-Trichloroethane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,1,1,2,2-Tetrachloroethane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,1,2-Trichloroethane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,1-Dichloroethene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,2,4-Trichlorobenzene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,2-Dibromo-3-chloropropane (DBCP)	<3.0 [<3.0]	<3.0 J	<4.0	<3.0	<3.0	<3.0	<3.0	NA	NA	NA	NA	NA	NA	NA	<3.0	<3.0	<3.0
1,2-Dibromoethane (Ethylene Dibromide)	<1.0 [<1.0]	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,2-Dichloropropane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,3-Dichlorobenzene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,4-Dichlorobenzene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,4-Dioxane	<300 [<300]	<300	<400	<300	<300	<300	<300	NA	NA	NA	NA	NA	NA	NA	<300	<300	<300
2-Butanone (Methyl Ethyl Ketone)	<620 [<640]	<640	<810	<530	<660	<610	<590	NA	NA	NA	NA	NA	NA	NA	<590	<550	<560
2-Hexanone	<620 [<640]	<640	<810	<530	<660	<610	<590	NA	NA	NA	NA	NA	NA	NA	<590	<550	<560
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	<620 [<640]	<640	<810	<530	<660	<610	<590	NA	NA	NA	NA	NA	NA	NA	<590	<550	<560
Acetone	<620 [<640]	<640	<810	<530	<660	<610	<590	NA	NA	NA	NA	NA	NA	NA	<590	<550	<560
Bromodichloromethane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Bromoform	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Bromomethane (Methyl Bromide)	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Carbon disulfide	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Carbon tetrachloride	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Chloroform (Trichloromethane)	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
cis-1,3-Dichloropropene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Cyclohexane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Dibromochloromethane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Dichlorodifluoromethane (CFC-12)	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Isopropylbenzene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
m&p-Xylene	<100 [<100]	<100	<200	<100	<100	<100	<100	NA	NA	NA	NA	NA	NA	NA	<100	<100	<100
Methyl acetate	<620 [<640]	<640	<810	<530	<660	<610	<590	NA	NA	NA	NA	NA	NA	NA	<590	<550	<560
Methyl cyclohexane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Methyl Tert Butyl Ether	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Styrene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Tetrachloroethene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
trans-1,3-Dichloropropene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Trichloroethene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Trichlorofluoromethane (CFC-11)	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Trifluorotrichloroethane (Freon 113)	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,1-Dichloroethane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
1,2-Dichloroethane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
cis-1,2-Dichloroethene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
trans-1,2-Dichloroethene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Benzene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Chlorobenzene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Chloroethane	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Ethylbenzene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Methylene chloride	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Toluene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
Vinyl chloride	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
o-Xylene	<60 [<60]	<60	<80	<50	<70	<60	<60	NA	NA	NA	NA	NA	NA	NA	<60	<50	<60
SVOCs																	
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2,4,5-Trichlorophenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2,4,6-Trichlorophenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2,4-Dichlorophenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2,4-Dimethylphenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2,4-Dinitrophenol	<40 J [<40 J]	<40 J	<40 J	<30 J	<40 J	<40 J	<40 J	NA	NA	NA	NA	NA	NA	NA	<40 J	<40 J	<40 J
2,4-Dinitrotoluene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2,6-Dinitrotoluene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2-Chloronaphthalene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2-Chlorophenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2-Methylnaphthalene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2-Methylphenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2-Nitroaniline	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
2-Nitrophenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
3&4-Methylphenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
3,3'-Dichlorobenzidine	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
3-Nitroaniline	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
4,6-Dinitro-2-methylphenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
4-Bromophenyl phenyl ether	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
4-Chloro-3-methylphenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
4-Chloroaniline	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
4-Chlorophenyl phenyl ether	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
4-Nitroaniline	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
4-Nitrophenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Acenaphthene	<40 [<40]	&															

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Location ID:	Miscellaneous Item Data Gap Fillers							Background Samples							Monitoring Well		
	P6-SB-05	P6-SB-05	P6-SB-06	P6-SB-06	P6-SB-27	P6-SB-27	P6-SB-27	P6-SB-03	P6-SB-03	P6-SB-09	P6-SB-09	P6-SB-10	P6-SB-10	P6-SB-10	P6-MW-01	P6-MW-01	P6-MW-01
Sample Depth(ft): Date Collected:	1 - 2 08/04/11	27 - 28 08/04/11	6 - 7 08/03/11	28 - 29 08/03/11	4 - 5 08/03/11	22 - 23 08/03/11	26 - 27 08/03/11	5 07/25/11	24 - 26 07/25/11	10 07/27/11	20 07/27/11	1.5 07/27/11	6 07/27/11	18 - 19 07/27/11	2 - 3 08/05/11	16 - 17 08/05/11	23 08/05/11
SVOCs Cont.																	
Acenaphthylene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Acetophenone	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Anthracene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Atrazine	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Benzaldehyde	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Benzo(a)anthracene	40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Benzo(a)pyrene	50 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Benzo(b)fluoranthene	40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Benzo(g,h,i)perylene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Benzo(k)fluoranthene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Biphenyl	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
bis(2-Chloroethoxy)methane	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
bis(2-Chloroethyl)ether	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
bis(2-Ethylhexyl)phthalate	<40 [<40]	<40	<40	<30	<60	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	40	<40
Butyl benzylphthalate	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	50	<40	<40
Caprolactam	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Carbazole	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Chrysene	<80 [<80]	<80	<90	<70	<80	<70	<70	NA	NA	NA	NA	NA	NA	NA	<70	<70	<70
Dibenz(a,h)anthracene	<80 [<80]	<80	<90	<70	<80	<70	<70	NA	NA	NA	NA	NA	NA	NA	<70	<70	<70
Dibenzofuran	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Diethyl phthalate	<80 [<80]	<80	<90	<70	<80	<70	<70	NA	NA	NA	NA	NA	NA	NA	<70	<70	<70
Dimethyl phthalate	<80 [<80]	<80	<90	<70	<80	<70	<70	NA	NA	NA	NA	NA	NA	NA	<70	<70	<70
Di-n-butylphthalate	<80 [<80]	<80	<90	<70	<160	<120	<70	NA	NA	NA	NA	NA	NA	NA	<70	<70	<70
Di-n-octyl phthalate	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Fluoranthene	100 [70]	<40	<40	<30	<60	<70	<40	NA	NA	NA	NA	NA	NA	NA	40	<40	<40
Fluorene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Hexachlorobenzene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Hexachlorobutadiene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Hexachlorocyclopentadiene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Hexachloroethane	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Indeno(1,2,3-cd)pyrene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Isophorone	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Naphthalene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Nitrobenzene	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
N-Nitrosodi-n-propylamine	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
N-Nitrosodiphenylamine	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Pentachlorophenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Phenanthrene	40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Phenol	<40 [<40]	<40	<40	<30	<40	<40	<40	NA	NA	NA	NA	NA	NA	NA	<40	<40	<40
Pyrene	90 [70]	<40	<40	<30	<50	<70	<40	NA	NA	NA	NA	NA	NA	NA	40	<40	<40
PCBs																	
Aroclor-1016 (PCB-1016)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																	
Antimony	<0.110 [<0.110]	<0.110	<0.130	<0.110	<0.130	<0.120	<0.110	<0.240	<0.220	<0.220	<0.230	<0.220	<0.230	<0.220	<0.110	<0.100	<0.110
Arsenic	0.870 [0.690]	2.18	1.33	4.33	1.08	1.21	0.320	0.860	1.79	0.870	3.08	0.320	0.200	2.15	1.46	1.19	2.34
Barium	7.19 [8.82]	48.7	68.6	3.01	54.7	23.4	2.52	28.7	27.9	11.4	19.0	18.3	12.0	8.45	20.5	6.73	14.3
Beryllium	<0.110 [<0.110]	0.240	0.420	<0.110	0.290	<0.160	<0.110	<0.180	<0.140	<0.100	<0.100	0.200	<0.110	<0.0900	0.120	<0.100	<0.110
Boron	<4.58 [<4.42]	<4.56	<5.34	<4.24	<4.54	<4.62	<4.28	<0.480	<1.41	<0.220	<0.230	<0.750	<0.230	<0.540	<4.36	<3.98	<4.38
Cadmium	<0.110 [<0.110]	0.210	0.200	<0.110	<0.140	<0.120	<0.110	<0.0500	<0.0700	<0.140	<0.110	<0.0900	<0.0900	<0.0500	<0.110	<0.100	<0.110
Chromium Total	1.63 [2.00]	7.23	3.28	1.16	19.8	5.54	0.790	1.86	2.72	1.97	1.76	4.46	2.13	3.62	2.46	1.95	2.29
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	<1.00	NA	<1.00	NA	NA	<1.00	NA	NA	NA	NA
Cobalt	1.57 [1.56]	6.13	2.05	1.10	2.56	2.75	<0.420	1.84	2.68	1.91	2.01	3.05	1.05	1.55	1.40	1.10	2.34
Copper	1.86 [2.55]	17.0	15.3	5.00	9.45	5.11	1.18	4.42	11.2	7.53	6.23	7.72	3.71	3.96	6.69	2.65	7.16
Manganese	187 [119]	343	55.9	93.3	320	237	67.6	112	208	121	214	295	65.9	124	127	165	213
Mercury	0.00940 [0.0108]	0.0161	0.0426	<0.00500	<0.0278	<0.0126	<0.00550	<0.0161	<0.0146	<0.00800	<0.00940	<0.00950	<0.00690	<0.00640	0.0201	<0.00540	0.00880
Nickel	5.42 [4.10]	18.5	4.05	5.31	5.43	7.42	2.22	3.79	5.79	5.18	4.61	7.35	2.25	3.54	4.81	4.99	8.60
Selenium	<0.110 [0.140]	0.220	0.160	<0.110	<0.180	<0.280	<0.110	<0.240	<0.220	<0.220	<0.230	<0.220	<0.230	<0.220	0.290	0.150	0.270
Silver	<0.110 [<0.110]	<0.110	<0.130	<0.110	<0.110	<0.120	<0.110	<0.120	<0.110	<0.110	<0.110	<0.110	<0.110	<0.100	<0.110	<0.100	<0.110
Thallium	<0.110 [<0.110]	0.170	<0.130	<0.110	<0.110	<0.120	<0.110	<0.0200	<0.0600	<0.0300	<0.100	<0.0400	<0.0200	<0.0400	<0.110	<0.100	<0.110
Vanadium	2.19 [3.15]	7.86	11.0	1.15	6.52	4.20	1.05	4.22	4.59	4.10	3.30	6.50	2.75	2.92	4.18	1.88	3.76
Lead	2.19 [3.14]	7.40	10.5	1.87	78.9	4.78	0.860	3.86	3.76	2.84	3.44	3.53	2.64	2.25	16.7	1.75	3.65
Zinc	4.83 [6.55]	26.5	19.9	2.50	14.1	9.44	2.42	7.39	14.4	7.81	12.0	12.7	6.34	12.9	11.5	5.51	15.7
Miscellaneous																	
Total Solids	86 [86]	85	77	97	86	90	91	92	92	88	89	91	90	88	93	92	91

TABLE 4.2
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF SOIL ANALYTICAL RESULTS

Notes:

- 1. Shading indicates result exceeding one or more MDEQ Part 201 Generic Cleanup Criteria and Screening Levels, Dated March 25, 2011.
- 2. Bold font represents detections above MDL but below MDEQ Generic Cleanup Criteria.
- 3. Data shown in [] represent duplicate sample analytical results.

mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
RDWP - Residential Drinking water Protection Criteria
GSIP - Groundwater Surface Water Interface Protection
RBSL - Risk Based Screening Levels
NREPA - Natural Resources Environmental Protection Act
MDEQ - Michigan Department of Environmental Quality
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds

Data Qualifiers:

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.
F = Criterion is based on adverse impacts to plant life and phytotoxicity
L = Criteria is derived using a biologically based model, as allowed for under Section 20120a(10) of NREPA, and are not calculated using the algorithms and assumption specified in pathway-specific rules.
NA =Criterion or value is not available or, as is the case for Csat, not applicable.
X = Elevated reporting limit due to matrix interference.
Y = Elevated reporting limit due to high target concentration.

Part 201 Criteria Footnotes:

NLV: Hazardous substance is not likely to volatilize under most conditions.
{T}: Refer to federal Toxic Substance Control Act (TSCA), 40 C.F.R §.761, Subpart D and 40 C.F.R §.761, Subpart G, to determine the applicability of TSCA cleanup standards.
{C}: Value presented is a screening level based on the chemical-specific soil saturation (Csat) since the calculated risk-based criterion is greater than Csat.
{X}: The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
{W}: Concentration of trihalomethanes in soil shall be added together to determine compliance with the Michigan drinking water protection criterion of 1600 ug/kg.
{D}: Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.
{DD}: Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure.
{M}: Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.

{G}: Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO₃/L, use 400 mg CaCO₃/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

ID = Inadequate data to develop criterion.

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	B-BP-16 10/13/11	MW-02-01 10/17/11	MW-02-02 10/18/11	MW-02-03 10/18/11	MW-03-01 10/17/11	MW-03-02 10/17/11	MW-03-04 10/17/11
VOCs												
1,1,1-Trichloroethane	µg/L	200(A)	89	1.30E+06(S)	6.60E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/L	8.5	78(X)	4,700	12,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5(A)	330(X)	21,000	17,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	7(A)	130	11,000	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	µg/L	70(A)	99(X)	19,000	3.00E+05(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 J
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	0.05(A)	5.7(X)	25	2,400	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
1,2-Dichlorobenzene	µg/L	600(A)	13	1.60E+05(S)	1.60E+05(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	µg/L	5(A)	230(X)	16,000	16,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	µg/L	6.6	28	2,000	18,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	µg/L	75(A)	17	6,400	16,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	µg/L	85	2,800(X)	1.70E+06	NLV	<5.0	26	21	13	<5.0	<5.0	54
2-Butanone (Methyl Ethyl Ketone)	µg/L	13,000	2,200	2.40E+08(S)	2.40E+08(S)	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	µg/L	1,000	ID	5.20E+06	4.20E+06	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	1,800	ID	1.30E+07	2.00E+07(S)	<10	<10	<10	<10	<10	<10	<10
Acetone	µg/L	730	1,700	3.10E+07	1.00E+09(D,S)	17	<10 J	<10 J	<10 J	<10	<10	<10
Bromodichloromethane	µg/L	80(A,W)	ID	14,000	4,800	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	µg/L	80(A,W)	ID	1.40E+05	4.70E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane (Methyl Bromide)	µg/L	10	35	70,000	4,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	µg/L	800	ID	1.20E+06(S)	2.50E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	µg/L	5(A)	45(X)	4,600	370	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform (Trichloromethane)	µg/L	80(A,W)	350	1.50E+05	28,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane (Methyl Chloride)	µg/L	260	ID	4.90E+05	8,600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cyclohexane	µg/L	--	--	--	--	19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	µg/L	80(A,W)	ID	18,000	14,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane (CFC-12)	µg/L	1,700	ID	3.00E+05(S)	2.20E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	µg/L	800	28	56,000(S)	56,000(S)	32(GSI)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	µg/L	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl acetate	µg/L	--	--	--	--	<10	<10	<10	<10	<10	<10	<10
Methyl cyclohexane	µg/L	--	--	--	--	11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	µg/L	40(E)	7,100(X)	6.10E+05	4.70E+07(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	µg/L	100(A)	80(X)	9,700	1.70E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	µg/L	5(A)	60(X)	12,000	25,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/L	5(A)	200(X)	22,000	15,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane (CFC-11)	µg/L	2,600	NA	1.10E+06(S)	1.10E+06(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trifluorotrichloroethane (Freon 113)	µg/L	1.70E+05(S)	32	1.70E+05(S)	1.70E+05(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/L	880	740	2.40E+06	1.00E+06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	µg/L	5(A)	360(X)	19,000	9,600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/L	70(A)	620	2.00E+05	93,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	µg/L	100(A)	1,500(X)	2.20E+05	85,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	µg/L	5(A)	200(X)	11,000	5,600	67 (RDW)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	µg/L	100(A)	25	86,000	2.10E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	µg/L	430	1,100(X)	4.40E+05	5.70E+06(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	µg/L	74(E)	18	1.70E+05(S)	1.10E+05	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	µg/L	5(A)	1,500(X)	2.20E+05	2.20E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	790(E)	270	5.30E+05(S)	5.30E+05(S)	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	µg/L	2(A)	13(X)	1,000	1,100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SVOCs												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
2,4,5-Trichlorophenol	µg/L	730	NA	1.70E+05	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,6-Trichlorophenol	µg/L	120	5	10,000	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dichlorophenol	µg/L	73	11	48,000	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dimethylphenol	µg/L	370	380	5.20E+05	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dinitrophenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dinitrotoluene	µg/L	7.7	NA	8,600	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,6-Dinitrotoluene	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chloronaphthalene	µg/L	1,800	NA	6,700(S)	ID	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorophenol	µg/L	45	18	94,000	4.90E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
2-Methylnaphthalene	µg/L	260	19	25,000(S)	25,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methylphenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitroaniline	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitrophenol	µg/L	20	ID	79,000	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3&4-Methylphenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3,3'-Dichlorobenzidine	µg/L	1.1	0.3(M)	180	NLV	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
3-Nitroaniline	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4,6-Dinitro-2-methylphenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Bromophenyl phenyl ether	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloro-3-methylphenol	µg/L	150	7.4	79,000	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloroaniline	µg/L	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4-Chlorophenyl phenyl ether	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Nitroaniline	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Nitrophenol	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthene	µg/L	1,300	38	4,200(S)	4,200(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthylene	µg/L	52	ID	3,900(S)	3,900(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetophenone	µg/L	1,500	ID	6.10E+06(S)	6.10E+06(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	B-BP-16 10/13/11	MW-02-01 10/17/11	MW-02-02 10/18/11	MW-02-03 10/18/11	MW-03-01 10/17/11	MW-03-02 10/17/11	MW-03-04 10/17/11
SVOCs Cont.												
Anthracene	µg/L	43(S)	ID	43(S)	43(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Atrazine	µg/L	3(A)	7.3	5,400	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzaldehyde	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
Benzo(a)anthracene	µg/L	2.1	ID	9.4(S,AA)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)pyrene	µg/L	5(A)	ID	1(M,AA)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(b)fluoranthene	µg/L	1.5(S,AA)	ID	1.5(S,AA)	ID	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(g,h,i)perylene	µg/L	1(M); (S)	ID	1(M,AA); (S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(k)fluoranthene	µg/L	1(M); (S)	NA	1(M,AA); (S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Biphenyl	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Chloroethoxy)methane	µg/L	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Chloroethyl)ether	µg/L	2	1(M)	5,700	38,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
bis(2-Ethylhexyl)phthalate	µg/L	6(A)	25	320(AA)	NLV	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Butyl benzylphthalate	µg/L	1,200	67(X)	2,700(S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Caprolactam	µg/L	5,800	NA	3.90E+08	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbazole	µg/L	85	10(M)	7,400	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chrysene	µg/L	1.6(S)	ID	1.6(S,AA)	ID	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenz(a,h)anthracene	µg/L	2(M)	ID	2(M,AA)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenzofuran	µg/L	ID	4	ID	10,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl phthalate	µg/L	5,500	110	1.10E+06(S)	NLV	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dimethyl phthalate	µg/L	73,000	NA	4.20E+06(S)	NLV	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Di-n-butylphthalate	µg/L	880	9.7	11,000(S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Di-n-octyl phthalate	µg/L	130	ID	400	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoranthene	µg/L	210(S)	1.6	210(S)	210(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/L	880	12	2,000(S)	2,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobenzene	µg/L	1(A)	0.2(M)	4.6	440	<0.050	<0.050	<0.050	<0.050	0.10	<0.050	0.10
Hexachlorobutadiene	µg/L	15	0.053	400	1,600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
Hexachlorocyclopentadiene	µg/L	50(A)	ID	1,600	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
Hexachloroethane	µg/L	7.3	6.7(X)	1,900	27,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
Indeno(1,2,3-cd)pyrene	µg/L	2(M); (S)	ID	2(M,AA); (S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isophorone	µg/L	770	1,300(X)	9.90E+05	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/L	520	11	31,000(S)	31,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
Nitrobenzene	µg/L	3.4	180(X)	11,000	2.80E+05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J
N-Nitrosodi-n-propylamine	µg/L	5(M)	NA	360	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
N-Nitrosodiphenylamine	µg/L	270	NA	35,000(S)	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pentachlorophenol	µg/L	1(A)	2.8(G,X)	200	NLV	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Phenanthrene	µg/L	52	2(M)	1,000(S)	1,000(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Phenol	µg/L	4,400	450	2.90E+07	NLV	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0
Pyrene	µg/L	140(S)	ID	140(S)	140(S)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
PCBs												
Aroclor-1016 (PCB-1016)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1221 (PCB-1221)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1232 (PCB-1232)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1242 (PCB-1242)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1248 (PCB-1248)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1254 (PCB-1254)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1260 (PCB-1260)	µg/L	--	--	--	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total PCBs	µg/L	0.5(A)	0.2(M); E-	3.3(AA)	45(S)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Inorganics												
Antimony	mg/L	0.006(A)	0.13(X)	68	NLV	0.00600	0.00500	<0.00200	<0.00200	0.00800 (RDW)	<0.00200	<0.00200
Arsenic	mg/L	0.01(A)	0.01	4.3	NLV	0.0370 (RDW, GSI)	0.0140 (RDW, GSI)	0.0250 (RDW, GSI)	0.00700	0.00500	0.00500	0.0230 (RDW, GSI)
Barium	mg/L	2(A)	0.67 (G)	14,000	NLV	0.156	0.941 (GSI)	0.854 (GSI)	0.944 (GSI)	0.463	0.473	0.293
Beryllium	mg/L	0.004(A)	0.0067 (G)	290	NLV	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Boron	mg/L	0.5(F)	5(X)	62,000	NLV	0.100	0.120	0.0600	0.0500	<0.0400	0.0500	0.130
Cadmium	mg/L	0.005(A)	0.003(G,X)	190	NLV	0.00400(GSI)	<0.00100	<0.00100	<0.00100	0.00400(GSI)	<0.00100	<0.00100
Chromium Total	mg/L	0.1(A)	0.011	460	NLV	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium VI (Hexavalent)	mg/L	0.1(A)	0.011	460	NLV	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	0.04	0.1	2,400	NLV	<0.0100	<0.0100	<0.0100	<0.0100	0.0110	<0.0100	<0.0100
Copper	mg/L	1(E)	0.013(G)	7,400	NLV	0.00400	0.0650 J(GSI)	0.00300 J	<0.00200 J	<0.00200	0.104(GSI)	<0.00200
Manganese	mg/L	0.05(E)	2.8(G,X)	9,100	NLV	0.301 (RDW)	0.103 J (RDW)	0.119 J (RDW)	0.201 J (RDW)	0.235 (RDW)	0.192 (RDW)	0.130 (RDW)
Mercury	mg/L	0.002(A)	0.0000013	0.056(S)	0.056(S)	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100
Nickel	mg/L	0.1(A)	0.073(G)	74,000	NLV	<0.0100	<0.0100 J	<0.0100 J	<0.0100 J	0.0100	<0.0100	<0.0100
Selenium	mg/L	0.05(A)	0.005	970	NLV	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Silver	mg/L	0.034	0.0002(M)	1,500	NLV	<0.000200 J	0.000300(GSI)	<0.000200	0.000300(GSI)	0.00230 J(GSI)	0.00100 J(GSI)	<0.000200 J
Thallium	mg/L	0.002(A)	0.0037(X)	13	NLV	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Vanadium	mg/L	0.0045	0.012	970	NLV	0.00800 (RDW)	0.00200	<0.00200	<0.00200	<0.00200	0.00400	0.00200
Lead	mg/L	0.004(L)	0.016(G,X)	ID	NLV	<0.00200	0.0160 J (RDW, GSI)	<0.00200 J	<0.00200 J	0.0140 (RDW, GSI)	0.00200(GSI)	0.00200(GSI)
Zinc	mg/L	2.4	0.17(G)	1.10E+05	NLV	0.0500	0.0950	0.0150	0.0150	0.0600	0.0910	<0.0100

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	Residential Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	Residential GW Vol to Indoor Air Inhalation Criteria & RBSLs	B-BP-16 10/13/11	MW-02-01 10/17/11	MW-02-02 10/18/11	MW-02-03 10/18/11	MW-03-01 10/17/11	MW-03-02 10/17/11	MW-03-04 10/17/11
Inorganics-Filtered												
Antimony (Dissolved)	mg/L	0.006(A)	0.13(X)	68	NLV	0.00600	0.00500	<0.00200	<0.00200	NA	<0.00200	<0.00200
Arsenic (Dissolved)	mg/L	0.01(A)	0.01	4.3	NLV	0.0370 (RDW, GSI)	0.00200	0.00300	<0.00200	NA	0.00300	0.0150 (RDW, GSI)
Barium (Dissolved)	mg/L	2(A)	0.67 (G)	14,000	NLV	0.155	0.915	0.826	0.901	NA	0.471	0.288
Beryllium (Dissolved)	mg/L	0.004(A)	0.0067 (G)	290	NLV	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100
Boron	mg/L	0.5(F)	5(X)	62,000	NLV	0.110	0.120	0.0600	0.0500	NA	0.0600	0.100
Cadmium (Dissolved)	mg/L	0.005(A)	0.003(G,X)	190	NLV	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100
Chromium Total (Dissolved)	mg/L	0.1(A)	0.011	460	NLV	<0.0100	<0.0100	<0.0100	<0.0100	NA	<0.0100	<0.0100
Cobalt (Dissolved)	mg/L	0.04	0.1	2,400	NLV	<0.0100	<0.0100	<0.0100	<0.0100	NA	<0.0100	<0.0100
Copper (Dissolved)	mg/L	1(E)	0.013(G)	7,400	NLV	<0.00200	0.00800	<0.00200	<0.00200	NA	0.00900	<0.00200
Manganese (Dissolved)	mg/L	0.05(E)	2.8(G,X)	9,100	NLV	0.276 (RDW)	0.0940 J (RDW)	0.151 J (RDW)	0.193 J (RDW)	NA	0.135 (RDW)	0.113 (RDW)
Mercury (Dissolved)	mg/L	0.002(A)	0.0000013	0.056(S)	0.056(S)	<0.000100	<0.000100	<0.000100	<0.000100	NA	<0.000100	<0.000100
Nickel (Dissolved)	mg/L	0.1(A)	0.073(G)	74,000	NLV	0.0110	<0.0100	<0.0100	<0.0100	NA	<0.0100	<0.0100
Selenium (Dissolved)	mg/L	0.05(A)	0.005	970	NLV	<0.00200	<0.00200	<0.00200	<0.00200	NA	<0.00200	<0.00200
Silver (Dissolved)	mg/L	0.034	0.0002(M)	1,500	NLV	<0.000200	<0.000200	0.000200	0.000200	NA	0.00130 J(GSI)	<0.000200 J
Thallium (Dissolved)	mg/L	0.002(A)	0.0037(X)	13	NLV	<0.00200	<0.00200	<0.00200	<0.00200	NA	<0.00200	<0.00200
Vanadium (Dissolved)	mg/L	0.0045	0.012	970	NLV	0.00800 (RDW)	<0.00200	<0.00200	<0.00200	NA	<0.00200	<0.00200
Lead (Dissolved)	mg/L	0.004(L)	0.016(G,X)	ID	NLV	<0.00200	<0.00200	<0.00200	<0.00200	NA	<0.00200	<0.00200
Zinc (Dissolved)	mg/L	2.4	0.17(G)	1.10E+05	NLV	<0.0100	0.0520	0.0270	0.0180	NA	0.0440	<0.0100

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	MW-03-05 12/02/11	MW-03-06 10/07/11	MW-03-07 10/18/11	MW-03-08 12/02/11	MW-04-01 10/18/11	MW-04-05 10/13/11	MW-04-06 10/17/11	MWBP-10A-UST1-4 12/02/11	MWBP-10-UST1-4 12/02/11	MWBP-10-UST5-6 10/07/11	MWBP-11-UST1-4 11/29/11
VOCs												
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050 J	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NA	NA	<0.020	<0.020
1,2-Dichlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	µg/L	<5.0	10	28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (Methyl Ethyl Ketone)	µg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	µg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	µg/L	<10	<10	<10 J	10	<10 J	<10	11	<10	<10	<10	<10
Bromodichloromethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane (Methyl Bromide)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform (Trichloromethane)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane (Methyl Chloride)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cyclohexane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane (CFC-12)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.0	<1.0	<1.0	<1.0
m&p-Xylene	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	21	<2.0	<2.0	<2.0
Methyl acetate	µg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl cyclohexane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	44	<3.0	<1.0	<1.0
Methyl Tert Butyl Ether	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0
Styrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane (CFC-11)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trifluorotrichloroethane (Freon 113)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	3.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	13	<1.0	<1.0	<1.0
Methylene chloride	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	µg/L	1.0	4.0 (RDW)	<1.0	<1.0	<1.0	1.0	2.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	<1.0	<1.0
SVOCs												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,5-Trichlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,6-Trichlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dichlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dimethylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dinitrophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dinitrotoluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,6-Dinitrotoluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chloronaphthalene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methylnaphthalene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitroaniline	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitrophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3&4-Methylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3,3'-Dichlorobenzidine	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
3-Nitroaniline	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4,6-Dinitro-2-methylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Bromophenyl phenyl ether	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloro-3-methylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloroaniline	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4-Chlorophenyl phenyl ether	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Nitroaniline	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Nitrophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetophenone	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	MW-03-05 12/02/11	MW-03-06 10/07/11	MW-03-07 10/18/11	MW-03-08 12/02/11	MW-04-01 10/18/11	MW-04-05 10/13/11	MW-04-06 10/17/11	MWBP-10A-UST1-4 12/02/11	MWBP-10-UST1-4 12/02/11	MWBP-10-UST5-6 10/07/11	MWBP-11-UST1-4 11/29/11
SVOCs Cont.												
Anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Atrazine	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzaldehyde	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)pyrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(b)fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(g,h,i)perylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(k)fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Biphenyl	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Chloroethoxy)methane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Chloroethyl)ether	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
bis(2-Ethylhexyl)phthalate	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Butyl benzylphthalate	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Caprolactam	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbazole	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chrysene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenz(a,h)anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenzofuran	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl phthalate	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	<2.0
Dimethyl phthalate	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Di-n-butylphthalate	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	2.0	<1.0	1.0
Di-n-octyl phthalate	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobenzene	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Hexachlorobutadiene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorocyclopentadiene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Indeno(1,2,3-cd)pyrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isophorone	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
N-Nitrosodi-n-propylamine	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
N-Nitrosodiphenylamine	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pentachlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Phenanthrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Phenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	88	<1.0	<1.0	<1.0	<1.0
Pyrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
PCBs												
Aroclor-1016 (PCB-1016)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1221 (PCB-1221)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1232 (PCB-1232)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1242 (PCB-1242)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1248 (PCB-1248)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1254 (PCB-1254)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Aroclor-1260 (PCB-1260)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total PCBs	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Inorganics												
Antimony	mg/L	<0.00200	<0.00200	<0.00200	0.00200	<0.00200	<0.00200	0.00700 (RDW)	<0.00200	<0.00200	<0.00200	<0.00200
Arsenic	mg/L	0.0110 (RDW,GSI)	0.00500	0.0180 (RDW,GSI)	0.0340 (RDW,GSI)	0.00300	<0.00200	0.00200	0.0380 (RDW,GSI)	0.0490 (RDW,GSI)	<0.00200	0.032 (RDW,GSI)
Barium	mg/L	0.326	0.279	0.253	0.126	0.230	1.00 (GSI)	1.25 (GSI)	0.0100	0.0740	0.229	0.067
Beryllium	mg/L	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00250	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Boron	mg/L	0.100	<0.200	0.100	<0.0400	0.0500	0.100	0.0500	0.100	0.100	<0.0400	0.13
Cadmium	mg/L	<0.00100	<0.00100	<0.00100	0.00100	<0.00100	<0.00100	0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Chromium Total	mg/L	<0.0100	0.0150 (GSI)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium VI (Hexavalent)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper	mg/L	0.00800	0.00400	<0.00200 J	0.0240(GSI)	<0.00200 J	<0.00200	0.217(GSI)	0.00200	0.00600	0.00400	0.032 (GSI)
Manganese	mg/L	0.319 (RDW)	0.331 (RDW)	0.0500 J	0.0180	0.211 J (RDW)	0.546 (RDW)	0.0790 (RDW)	0.0550 (RDW)	0.0730 (RDW)	0.253 (RDW)	0.263 (RDW)
Mercury	mg/L	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100
Nickel	mg/L	0.0140	0.0280	<0.0100 J	<0.0100	<0.0100 J	<0.0100	0.0130	0.0150	<0.0100	0.0160	0.013
Selenium	mg/L	<0.00200	<0.00200	<0.00200	0.00500	<0.00200	<0.00200	<0.00200	0.0240(GSI)	<0.00200	<0.00200	<0.00200
Silver	mg/L	0.000300(GSI)	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200 J	0.000600 J(GSI)	<0.000200	<0.000200	<0.000200	<0.000200
Thallium	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Vanadium	mg/L	0.00400	0.00500 (RDW)	0.00200	0.0180 (RDW,GSI)	<0.00200	0.00200	0.00400	0.0300 (RDW,GSI)	0.0420 (RDW,GSI)	<0.00200	0.013 (RDW,GSI)
Lead	mg/L	0.00800 (RDW,GSI)	<0.00200	<0.00200 J	0.0100 (RDW,GSI)	<0.00200 J	<0.00500	0.0320 (RDW,GSI)	0.00400(GSI)	0.00200(GSI)	<0.00200	0.018 (RDW,GSI)
Zinc	mg/L	0.0650	<0.0100	<0.0100	0.0510	<0.0100	<0.0100	0.128	0.0230	<0.0100	0.0100	0.021

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	MW-03-05 12/02/11	MW-03-06 10/07/11	MW-03-07 10/18/11	MW-03-08 12/02/11	MW-04-01 10/18/11	MW-04-05 10/13/11	MW-04-06 10/17/11	MWBP-10A-UST1-4 12/02/11	MWBP-10-UST1-4 12/02/11	MWBP-10-UST5-6 10/07/11	MWBP-11-UST1-4 11/29/11
Inorganics-Filtered												
Antimony (Dissolved)	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	NA	0.00600	NA	<0.00200	NA	<0.00200
Arsenic (Dissolved)	mg/L	0.00900	0.00400	0.00500	0.0150 (RDW,GSI)	0.00200	NA	<0.00200	NA	0.0420 (RDW,GSI)	NA	0.034 (RDW,GSI)
Barium (Dissolved)	mg/L	0.318	0.272	0.243	0.138	0.222	NA	1.22	NA	0.0680	NA	0.043
Beryllium (Dissolved)	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	NA	<0.00100	NA	<0.00100
Boron	mg/L	0.100	0.0700	0.100	<0.0400	0.0500	NA	<0.0400	NA	0.100	NA	0.14
Cadmium (Dissolved)	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	NA	<0.00100	NA	<0.00100
Chromium Total (Dissolved)	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NA	<0.0100	NA	<0.0100	NA	<0.0100
Cobalt (Dissolved)	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NA	<0.0100	NA	<0.0100	NA	<0.0100
Copper (Dissolved)	mg/L	0.00700	<0.00200	0.00300	0.00800	<0.00200	NA	0.0400(GSI)	NA	0.00500	NA	0.017 (GSI)
Manganese (Dissolved)	mg/L	0.220 (RDW)	0.269 (RDW)	0.0450 J	<0.0100	0.203 J (RDW)	NA	<0.0100	NA	0.0690 (RDW)	NA	0.143 (RDW)
Mercury (Dissolved)	mg/L	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	NA	<0.000100	NA	<0.000100	NA	<0.000100
Nickel (Dissolved)	mg/L	0.0170	0.0190	<0.0100	<0.0100	<0.0100	NA	<0.0100	NA	<0.0100	NA	0.012 (RDW)
Selenium (Dissolved)	mg/L	<0.00200	<0.00200	<0.00200	0.00200	<0.00200	NA	<0.00200	NA	<0.00200	NA	<0.00200
Silver (Dissolved)	mg/L	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	NA	0.000500 J(GSI)	NA	<0.000200	NA	<0.000200
Thallium (Dissolved)	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	NA	<0.00200	NA	<0.00200	NA	<0.00200
Vanadium (Dissolved)	mg/L	<0.00200	0.00300	<0.00200	0.0160 (RDW,GSI)	<0.00200	NA	<0.00200	NA	0.0360 (RDW,GSI)	NA	0.010 (RDW)
Lead (Dissolved)	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	NA	0.0240 (RDW,GSI)	NA	<0.00200	NA	0.010 (RDW)
Zinc (Dissolved)	mg/L	0.0330	<0.0100	<0.0100	<0.0100	<0.0100	NA	0.0590	NA	<0.0100	NA	0.013

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	MWBP-12A-UST1-4 10/18/11	MWBP-12-UST1-4 12/02/11	MWBP-12-UST5-6 10/10/11	MWBP-13-UST1-4 10/18/11	P6-MW-01 08/10/11	P6-MW-01 10/18/11	P6-SB-07 08/10/11	P6-SB-10 08/01/11	P6-SB-12 08/04/11	P6-SB-18 08/08/11	P6-SB-23 08/04/11
VOCs												
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NA	NA	<0.050	<0.050	<0.050
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NA	NA	<0.020	<0.020	<0.020
1,2-Dichlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,2-Dichloropropane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,4-Dioxane	µg/L	<5.0	<5.0	9.0	<5.0	<5.0	<5.0	NA	NA	<5.0	<5.0	<5.0
2-Butanone (Methyl Ethyl Ketone)	µg/L	<10	<10	<10	<10	<10	<10	NA	NA	<10	<10	<14
2-Hexanone	µg/L	<10	<10	<10	<10	<10	<10	NA	NA	<10	<10	<10
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	<10	<10	<10	<10	<10	<10	NA	NA	<10	<10	<10
Acetone	µg/L	<10	<48	<10	<10	<10	<10 J	NA	NA	<10	13	86
Bromodichloromethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Bromoform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Bromomethane (Methyl Bromide)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Carbon disulfide	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<2.0
Carbon tetrachloride	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Chloroform (Trichloromethane)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Chloromethane (Methyl Chloride)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Cyclohexane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<2.0
Dibromochloromethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Dichlorodifluoromethane (CFC-12)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Isopropylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	2.0	<1.0	4.0
m&p-Xylene	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	<2.0	<2.0	<100 B
Methyl acetate	µg/L	<10	<10	<10	<10	<10	<10	NA	NA	<10	<10	<10
Methyl cyclohexane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<2.0
Methyl Tert Butyl Ether	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Styrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Tetrachloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Trichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Trichlorofluoromethane (CFC-11)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Trifluorotrichloroethane (Freon 113)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
1,2-Dichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Benzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	11 (RDW)	<1.0	22 (RDW)
Chlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Chloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Ethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	19(GSI)
Methylene chloride	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<57 B
Vinyl chloride	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0
o-Xylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	37
SVOCs												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2,4,5-Trichlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2,4,6-Trichlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2,4-Dichlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2,4-Dimethylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	NA	18
2,4-Dinitrophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2,4-Dinitrotoluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2,6-Dinitrotoluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2-Chloronaphthalene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2-Chlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2-Methylnaphthalene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2-Methylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	13
2-Nitroaniline	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
2-Nitrophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
3&4-Methylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	33
3,3'-Dichlorobenzidine	µg/L	<0.050	<0.050	<0.050	<0.050	<0.10	<0.050	NA	NA	<0.10	NA	<0.10
3-Nitroaniline	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
4,6-Dinitro-2-methylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
4-Bromophenyl phenyl ether	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
4-Chloro-3-methylphenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
4-Chloroaniline	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0 J	<2.0	NA	NA	<4.0 J	NA	<8.0 J
4-Chlorophenyl phenyl ether	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
4-Nitroaniline	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
4-Nitrophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Acenaphthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Acenaphthylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Acetophenone	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	MWBP-12A-UST1-4 10/18/11	MWBP-12-UST1-4 12/02/11	MWBP-12-UST5-6 10/10/11	MWBP-13-UST1-4 10/18/11	P6-MW-01 08/10/11	P6-MW-01 10/18/11	P6-SB-07 08/10/11	P6-SB-10 08/01/11	P6-SB-12 08/04/11	P6-SB-18 08/08/11	P6-SB-23 08/04/11
SVOCs Cont.												
Anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Atrazine	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Benzaldehyde	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Benzo(a)anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Benzo(a)pyrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Benzo(b)fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Benzo(g,h,i)perylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Benzo(k)fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Biphenyl	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
bis(2-Chloroethoxy)methane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
bis(2-Chloroethyl)ether	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
bis(2-Ethylhexyl)phthalate	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	<4.0	NA	<8.0
Butyl benzylphthalate	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Caprolactam	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Carbazole	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Chrysene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Dibenz(a,h)anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Dibenzofuran	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Diethyl phthalate	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	6.0	NA	<8.0
Dimethyl phthalate	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	<4.0	NA	<8.0
Di-n-butylphthalate	µg/L	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Di-n-octyl phthalate	µg/L	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Fluorene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Hexachlorobenzene	µg/L	<0.050	<0.050	<0.050	<0.050	<0.10	<0.050	NA	NA	<0.10	NA	<0.10
Hexachlorobutadiene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Hexachlorocyclopentadiene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Hexachloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Indeno(1,2,3-cd)pyrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Isophorone	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Naphthalene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	NA	21(GSI)
Nitrobenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
N-Nitrosodi-n-propylamine	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
N-Nitrosodiphenylamine	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Pentachlorophenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Phenanthrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
Phenol	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	96
Pyrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	NA	<4.0
PCBs												
Aroclor-1016 (PCB-1016)	µg/L	<0.050	<0.050	<0.050	<0.050	NA	<0.050	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	µg/L	<0.050	<0.050	<0.050	<0.050	NA	<0.050	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	µg/L	<0.050	<0.050	<0.050	<0.050	NA	<0.050	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	µg/L	<0.050	<0.050	<0.050	<0.050	NA	<0.050	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	µg/L	<0.050	<0.050	<0.050	<0.050	NA	<0.050	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	µg/L	<0.050	<0.050	<0.050	<0.050	NA	<0.050	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	µg/L	<0.050	<0.050	<0.050	<0.050	NA	<0.050	NA	NA	NA	NA	NA
Total PCBs	µg/L	<0.050	<0.050	<0.050	<0.050	NA	<0.050	NA	NA	NA	NA	NA
Inorganics												
Antimony	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200	<0.00500	<0.00500	0.0180 (RDW)	0.00800 (RDW)	0.0770 (RDW)
Arsenic	mg/L	0.0160 (RDW,GSI)	0.0120 (RDW,GSI)	0.00700	<0.00200	0.00620	0.00700	0.00280	0.00200	0.0293 (RDW,GSI)	0.0145 (RDW,GSI)	<0.00340
Barium	mg/L	0.620	0.120	0.0770	0.159	0.0560	0.0420	0.0620	1.68	1.78 (GSI)	0.0350	1.22 (GSI)
Beryllium	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	0.000500	<0.00100	0.000600	0.000700	<0.000700	0.000600	<0.000900
Boron	mg/L	0.0400 J	0.110	<0.0400	<0.0400 J	0.106	0.140	0.0860	0.0630	0.587 (RDW)	0.192	<0.0440
Cadmium	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	<0.000500	<0.00100	<0.000500	0.000600	<0.000500	<0.000500	<0.000800
Chromium Total	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.00500	0.0130 (GSI)	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Chromium VI (Hexavalent)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0200 J
Cobalt	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.00500	<0.0100	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Copper	mg/L	0.00400	<0.00200	<0.00200	<0.00200	<0.0250	0.00800 J	<0.0250	<0.0250	<0.0250	0.0790(GSI)	<0.00900
Manganese	mg/L	0.419 J (RDW)	0.119 (RDW)	0.266 (RDW)	0.378 J (RDW)	1.08 (RDW)	1.36 J (RDW)	0.0520 (RDW)	0.932 (RDW)	<0.0160	<0.00500	<0.00500
Mercury	mg/L	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.000200(GSI)
Nickel	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	0.00700	0.0320 J	0.00800	<0.00500	<0.00500	0.00700	0.0320
Selenium	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Silver	mg/L	0.00340(GSI)	<0.000200	<0.000200	0.00280(GSI)	<0.000500	<0.000200	<0.000500	<0.000500	<0.000500	<0.000500	<0.000400
Thallium	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.000500	<0.00200	0.000600	<0.000500	<0.000500	0.000800	<0.000500
Vanadium	mg/L	0.00300	0.0100 (RDW)	<0.00200	<0.00200	<0.00250	0.00400	<0.00250	<0.00250	<0.00250	0.0228 (RDW,GSI)	0.0164 (RDW,GSI)
Lead	mg/L	0.00300(GSI)	<0.00200	<0.00200	0.00200(GSI)	0.00690 (RDW,GSI)	0.00500 J (RDW,GSI)	<0.00250	0.0117 (RDW,GSI)	0.116 (RDW,GSI)	1.49 (RDW,GSI)	0.00610 (RDW,GSI)
Zinc	mg/L	0.0170	<0.0100	<0.0100	<0.0100	<0.00500	0.0200	<0.00500	<0.00500	<0.0130	<0.00500	<0.00500

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	MWBP-12A-UST1-4 10/18/11	MWBP-12-UST1-4 12/02/11	MWBP-12-UST5-6 10/10/11	MWBP-13-UST1-4 10/18/11	P6-MW-01 08/10/11	P6-MW-01 10/18/11	P6-SB-07 08/10/11	P6-SB-10 08/01/11	P6-SB-12 08/04/11	P6-SB-18 08/08/11	P6-SB-23 08/04/11
Inorganics-Filtered												
Antimony (Dissolved)	mg/L	<0.00200	NA	NA	<0.00200	NA	<0.00200	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.0160 (RDW,GSI)	NA	NA	<0.00200	NA	0.00300	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.576	NA	NA	0.155	NA	0.0300	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	<0.00100	NA	NA	<0.00100	NA	<0.00100	NA	NA	NA	NA	NA
Boron	mg/L	0.0500	NA	NA	<0.0400	NA	0.130	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	<0.00100	NA	NA	<0.00100	NA	<0.00100	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	<0.00200	NA	NA	<0.00200	NA	<0.00200	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.360 (RDW)	NA	NA	0.369 (RDW)	NA	1.23 J (RDW)	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	<0.000100	NA	NA	<0.000100	NA	<0.000100	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	<0.0100	NA	NA	<0.0100	NA	0.0200	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	<0.00200	NA	NA	<0.00200	NA	<0.00200	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.00300(GSI)	NA	NA	0.00280(GSI)	NA	<0.000200	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	<0.00200	NA	NA	<0.00200	NA	<0.00200	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.00200	NA	NA	<0.00200	NA	<0.00200	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	<0.00200	NA	NA	<0.00200	NA	<0.00200	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.0140	NA	NA	<0.0100	NA	<0.0100	NA	NA	NA	NA	NA

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:		P6-SB-32 ⁽³⁾ 08/11/11	P6-SB-32 ⁽³⁾ 08/11/11	P6-SB-34 08/04/11	P6-SB-35 08/05/11	P6-SB-37 08/08/11	P6-SB-40 08/05/11	Unknown-3 10/14/11
VOCs								
1,1,1-Trichloroethane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,1,2,2-Tetrachloroethane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,1,2-Trichloroethane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,1-Dichloroethene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,2,4-Trichlorobenzene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	<0.050	<0.050	<0.050	<0.050 J	<0.050	NA	<0.050 J
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	<0.020	<0.020	<0.020	<0.020	<0.020	NA	<0.020
1,2-Dichlorobenzene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,2-Dichloropropane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,3-Dichlorobenzene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,4-Dichlorobenzene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,4-Dioxane	µg/L	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
2-Butanone (Methyl Ethyl Ketone)	µg/L	<1,000	<1,000	12	<10	<10	NA	<10
2-Hexanone	µg/L	<1,000	<1,000	<10	<10	<10	NA	<10
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	<1,000	<1,000	<10	<10	<10	NA	<10
Acetone	µg/L	<1,000	<1,000	67	<10	<10	NA	<10
Bromodichloromethane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Bromoform	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Bromomethane (Methyl Bromide)	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Carbon disulfide	µg/L	<100	<100	1.0	<1.0	<1.0	NA	<1.0
Carbon tetrachloride	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Chloroform (Trichloromethane)	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Chloromethane (Methyl Chloride)	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
cis-1,3-Dichloropropene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Cyclohexane	µg/L	<100	<100	30	<1.0	<1.0	NA	<1.0
Dibromochloromethane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Dichlorodifluoromethane (CFC-12)	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Isopropylbenzene	µg/L	100(GSI)	<100	33(GSI)	<1.0	<1.0	NA	<1.0
m&p-Xylene	µg/L	3,200	2,200	1,100 D	<2.0	<2.0	NA	<2.0
Methyl acetate	µg/L	<1,000	<1,000	<10	<10	<10	NA	<10
Methyl cyclohexane	µg/L	<100	<100	51	<1.0	<1.0	NA	<1.0
Methyl Tert Butyl Ether	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Styrene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Tetrachloroethene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
trans-1,3-Dichloropropene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Trichloroethene	µg/L	<100	<100	<1.0	<1.0	1.0	NA	<1.0
Trichlorofluoromethane (CFC-11)	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Trifluorotrichloroethane (Freon 113)	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,1-Dichloroethane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
1,2-Dichloroethane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
cis-1,2-Dichloroethene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
trans-1,2-Dichloroethene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Benzene	µg/L	<100	<100	130 (RDW)	<1.0	<1.0	NA	<1.0
Chlorobenzene	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Chloroethane	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Ethylbenzene	µg/L	600 (RDW,GSI)	400 (RDW,GSI)	250 D (RDW,GSI)	<1.0	<1.0	NA	<1.0
Methylene chloride	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
Toluene	µg/L	300 (GSI)	200	820 D (RDW,GSI)	<1.0	<1.0	NA	<1.0
Vinyl chloride	µg/L	<100	<100	<1.0	<1.0	<1.0	NA	<1.0
o-Xylene	µg/L	800	700	370 D	<1.0	<1.0	NA	<1.0
SVOCs								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2,4,5-Trichlorophenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2,4,6-Trichlorophenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2,4-Dichlorophenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2,4-Dimethylphenol	µg/L	NA	NA	17	NA	NA	NA	<1.0
2,4-Dinitrophenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2,4-Dinitrotoluene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2,6-Dinitrotoluene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2-Chloronaphthalene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2-Chlorophenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2-Methylnaphthalene	µg/L	NA	NA	<5.0	NA	NA	NA	<1.0
2-Methylphenol	µg/L	NA	NA	24	NA	NA	NA	<1.0
2-Nitroaniline	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
2-Nitrophenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
3&4-Methylphenol	µg/L	NA	NA	88	NA	NA	NA	<1.0
3,3'-Dichlorobenzidine	µg/L	NA	NA	<0.10	NA	NA	NA	<0.050
3-Nitroaniline	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
4,6-Dinitro-2-methylphenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
4-Bromophenyl phenyl ether	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
4-Chloro-3-methylphenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
4-Chloroaniline	µg/L	NA	NA	<8.0 J	NA	NA	NA	<2.0
4-Chlorophenyl phenyl ether	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
4-Nitroaniline	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
4-Nitrophenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Acenaphthene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Acenaphthylene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Acetophenone	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	P6-SB-32 ⁽³⁾ 08/11/11	P6-SB-32 ⁽³⁾ 08/11/11	P6-SB-34 08/04/11	P6-SB-35 08/05/11	P6-SB-37 08/08/11	P6-SB-40 08/05/11	Unknown-3 10/14/11
SVOCs Cont.								
Anthracene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Atrazine	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Benzaldehyde	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Benzo(a)anthracene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Benzo(a)pyrene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Benzo(b)fluoranthene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Benzo(g,h,i)perylene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Benzo(k)fluoranthene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Biphenyl	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
bis(2-Chloroethoxy)methane	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
bis(2-Chloroethyl)ether	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
bis(2-Ethylhexyl)phthalate	µg/L	NA	NA	<8.0	NA	NA	NA	<2.0
Butyl benzylphthalate	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Caprolactam	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Carbazole	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Chrysene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Dibenz(a,h)anthracene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Dibenzofuran	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Diethyl phthalate	µg/L	NA	NA	<8.0	NA	NA	NA	<2.0
Dimethyl phthalate	µg/L	NA	NA	<8.0	NA	NA	NA	<2.0
Di-n-butylphthalate	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Di-n-octyl phthalate	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Fluoranthene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Fluorene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Hexachlorobenzene	µg/L	NA	NA	<0.10	NA	NA	NA	<0.050
Hexachlorobutadiene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Hexachlorocyclopentadiene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Hexachloroethane	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Isophorone	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Naphthalene	µg/L	NA	NA	21(GSI)	NA	NA	NA	<1.0
Nitrobenzene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
N-Nitrosodi-n-propylamine	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
N-Nitrosodiphenylamine	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Pentachlorophenol	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Phenanthrene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
Phenol	µg/L	NA	NA	66	NA	NA	NA	<1.0
Pyrene	µg/L	NA	NA	<4.0	NA	NA	NA	<1.0
PCBs								
Aroclor-1016 (PCB-1016)	µg/L	NA	NA	NA	NA	NA	NA	<0.050
Aroclor-1221 (PCB-1221)	µg/L	NA	NA	NA	NA	NA	NA	<0.050
Aroclor-1232 (PCB-1232)	µg/L	NA	NA	NA	NA	NA	NA	<0.050
Aroclor-1242 (PCB-1242)	µg/L	NA	NA	NA	NA	NA	NA	<0.050
Aroclor-1248 (PCB-1248)	µg/L	NA	NA	NA	NA	NA	NA	<0.050
Aroclor-1254 (PCB-1254)	µg/L	NA	NA	NA	NA	NA	NA	<0.050
Aroclor-1260 (PCB-1260)	µg/L	NA	NA	NA	NA	NA	NA	<0.050
Total PCBs	µg/L	NA	NA	NA	NA	NA	NA	<0.050
Inorganics								
Antimony	mg/L	NA	NA	0.0460 (RDW)	NA	<0.00500	NA	<0.00200
Arsenic	mg/L	NA	NA	0.00680	NA	0.000500	NA	0.00400
Barium	mg/L	NA	NA	1.87	NA	0.0460	NA	0.0350
Beryllium	mg/L	NA	NA	<0.000600	NA	0.000600	NA	<0.00100
Boron	mg/L	NA	NA	0.0680	NA	0.250	NA	0.160
Cadmium	mg/L	NA	NA	<0.000700	NA	<0.000500	NA	0.00200
Chromium Total	mg/L	NA	NA	<0.00500	<0.00500	<0.00500	<0.00500	<0.0100
Chromium VI (Hexavalent)	mg/L	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA
Cobalt	mg/L	NA	NA	<0.00500	<0.00500	<0.00500	<0.00500	<0.0100
Copper	mg/L	NA	NA	<0.00500	NA	<0.0250	NA	0.0230(GSI)
Manganese	mg/L	NA	NA	<0.00500	0.00800	0.0260	NA	0.508 (RDW)
Mercury	mg/L	NA	NA	<0.000100	NA	<0.000100	NA	<0.000100
Nickel	mg/L	NA	NA	0.0420	NA	<0.00500	NA	0.0120
Selenium	mg/L	NA	NA	<0.00500	NA	<0.00500	<0.00500	<0.00200
Silver	mg/L	NA	NA	<0.000400	NA	<0.000500	NA	<0.000200 J
Thallium	mg/L	NA	NA	<0.000500	NA	0.000700	NA	<0.00200
Vanadium	mg/L	NA	NA	0.00640 (RDW)	NA	<0.00250	NA	0.0120 (RDW)
Lead	mg/L	NA	NA	0.00640 (RDW,GSI)	NA	0.00270(GSI)	NA	0.00300(GSI)
Zinc	mg/L	NA	NA	<0.00500	NA	<0.00500	NA	0.0100

TABLE 4.3
RACER TRUST LANSING PLANT 6
RFI WORK PLAN PHASE I INVESTIGATION SUMMARY REPORT
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Location ID: Date Collected:	Units	P6-SB-32 ⁽³⁾ 08/11/11	P6-SB-32 ⁽³⁾ 08/11/11	P6-SB-34 08/04/11	P6-SB-35 08/05/11	P6-SB-37 08/08/11	P6-SB-40 08/05/11	Unknown-3 10/14/11
Inorganics-Filtered								
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.00200
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.00400
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0260
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.00100
Boron	mg/L	NA	NA	NA	NA	NA	NA	0.160
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.00100
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.0100
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.0100
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0160(GSI)
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.241 (RDW)
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.000100
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0100
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.00200
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.000200
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.00200
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0110 (RDW)
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.00200
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	<0.0100

Notes:

- 1. Shading indicates result exceeding one or more MDEQ Part 201 Generic Cleanup Criteria and Screening Levels, Dated March 25, 2011.
- 2. Bold fonts represent detections above MDL but below MDEQ Generic Criteria.
- 3. Represents a filtered and unfiltered sample. Second sample listed in table is the filtered sample.

mg/L - milligrams per liter

µg/L - micrograms per liter

RDWP - Residential Drinking water Protection Criteria

GSIP - Groundwater Surface Water Interface Protection

GCCP - Groundwater Contact Protection Criteria

VIIC - Residnetial Groundwater Volitilization to Indoor Air Inhalation Criteria

RBSL - Risk Based Screening Levels

VOCs - Volatile Organic Compounds

SVOCs - Semi-volatile Organic Compounds

MDEQ - Michigan Department of Environmental Quality

NREPA - Natural Resources Environmental Protection Act

Data Qualifiers:

U - analyzed for but not detected.

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.

NS = Not analyzed for this constituent.

NA =Criterion or value is not available or, as is the case for Csat, not applicable.

X = Elevated reporting limit due to matrix interference.

Y = Elevated reporting limit due to high target concetration.

Part 201 Criteria Footnotes:

NLV: Hazardous substance is not likely to volatilize under most conditions.

{A}: Criterion is the state of Michgian drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.

{X}:The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

{S}: Criterion defaults to the chemical-specific water solubility limit.

{D}: Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.

{E}: Criterion is the aesthetic drinking water value, as required by Sec. 20120a(5) of the NREPA 1994 PA 451, as amended.

{M}: Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.

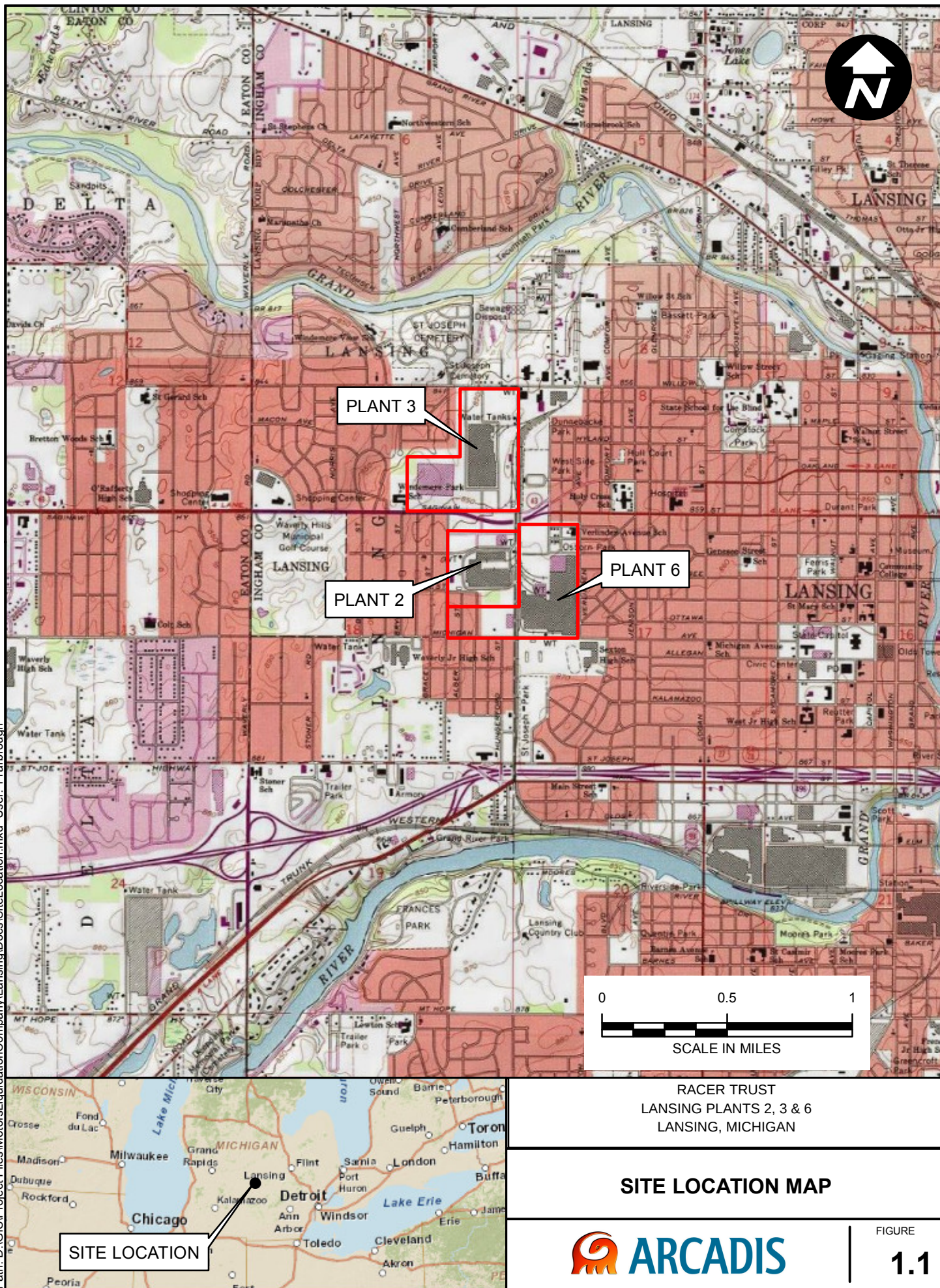
{G}: Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO₃/L, use 400 mg CaCO₃/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

{A,A}: Comparison of these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

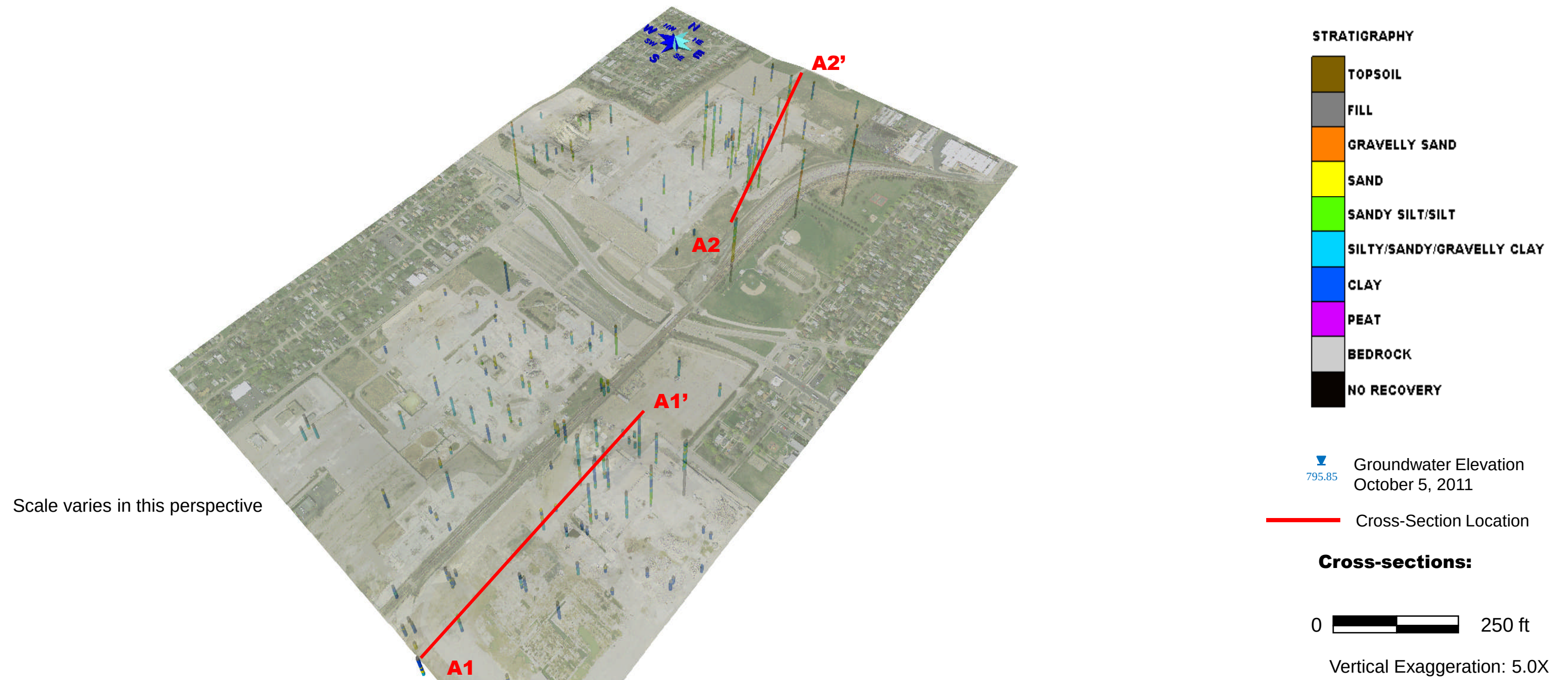
ID = Inadequate data to develop criterion.



Figures

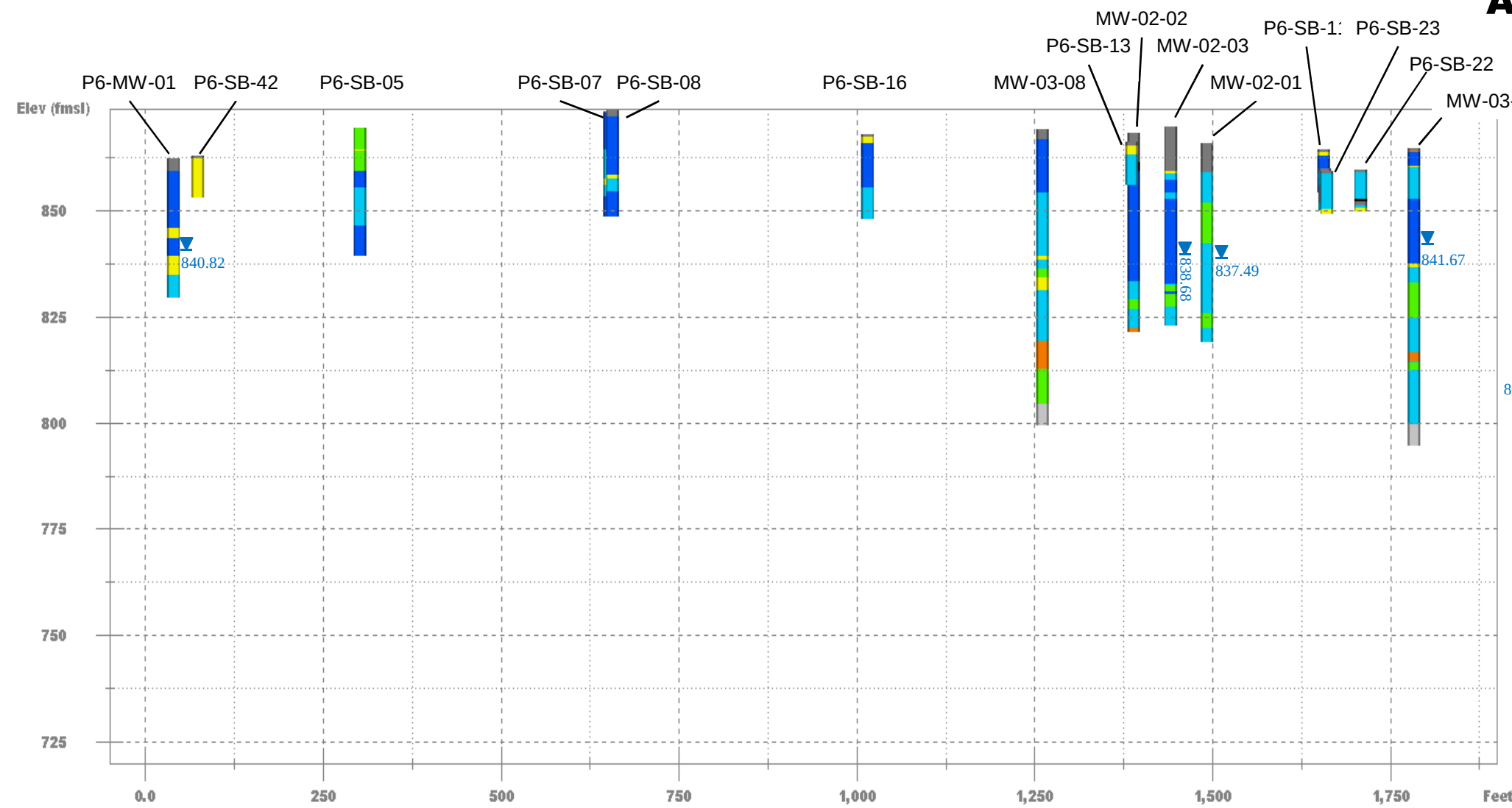




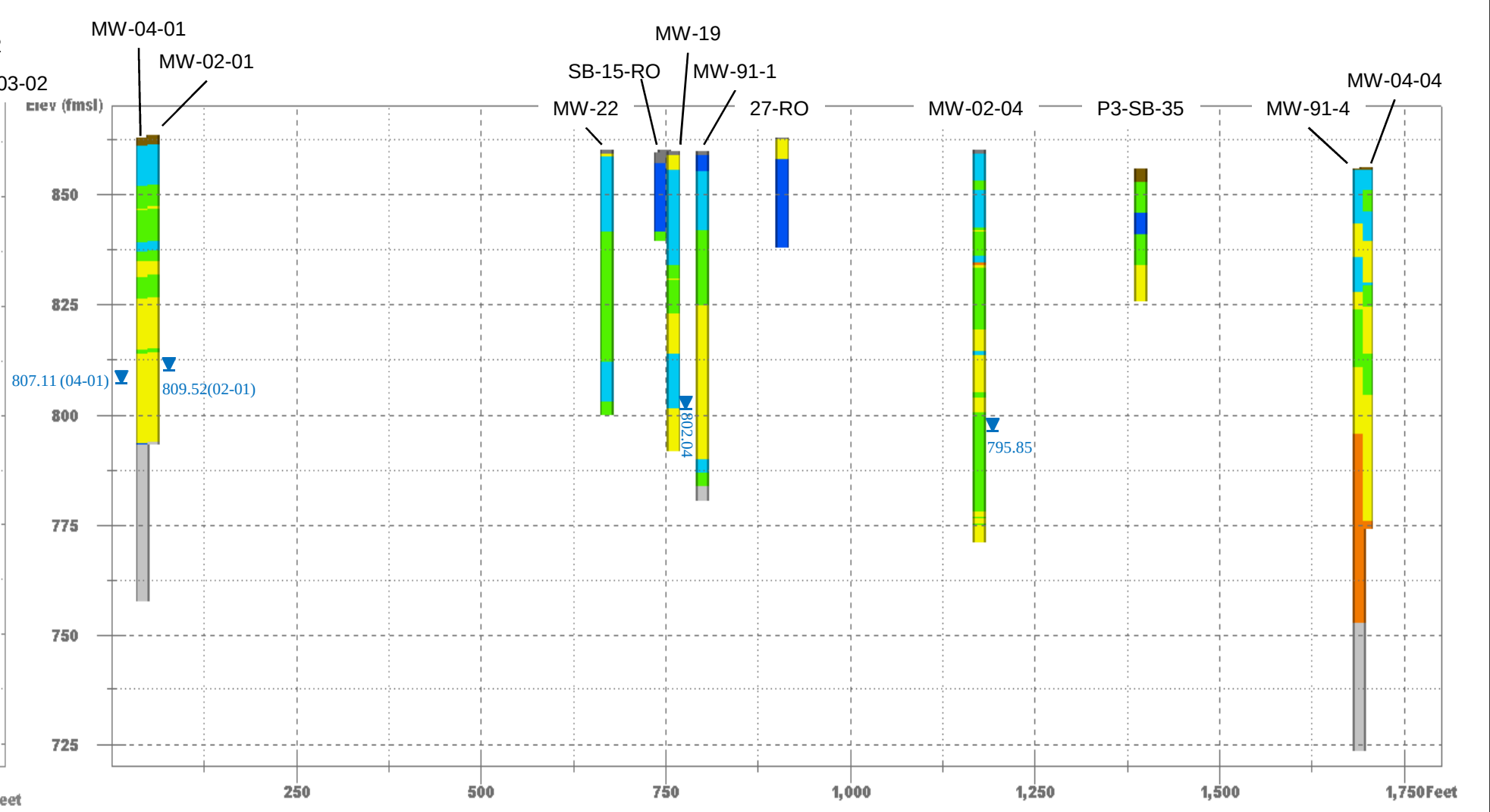


SOUTH

A1

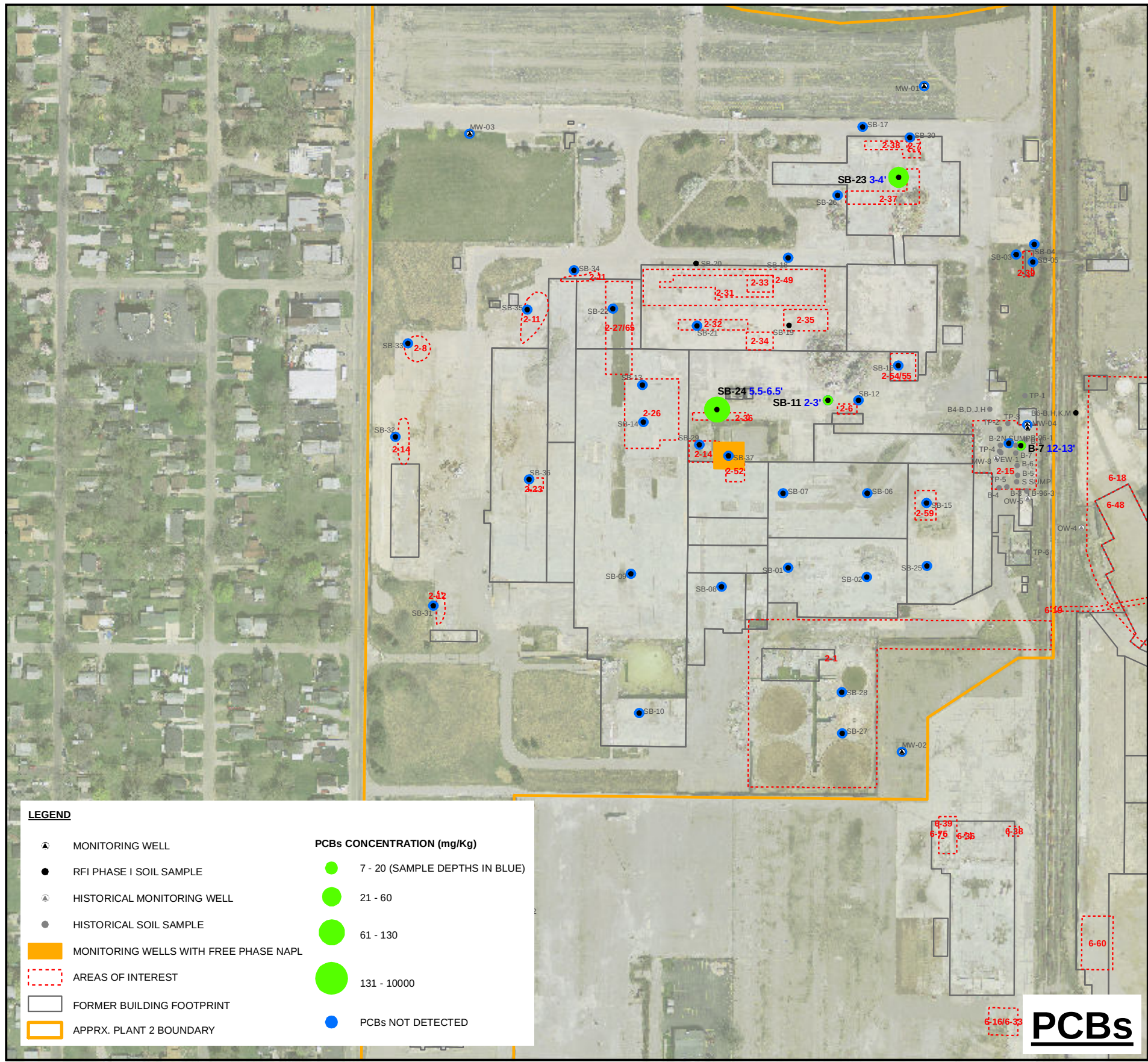
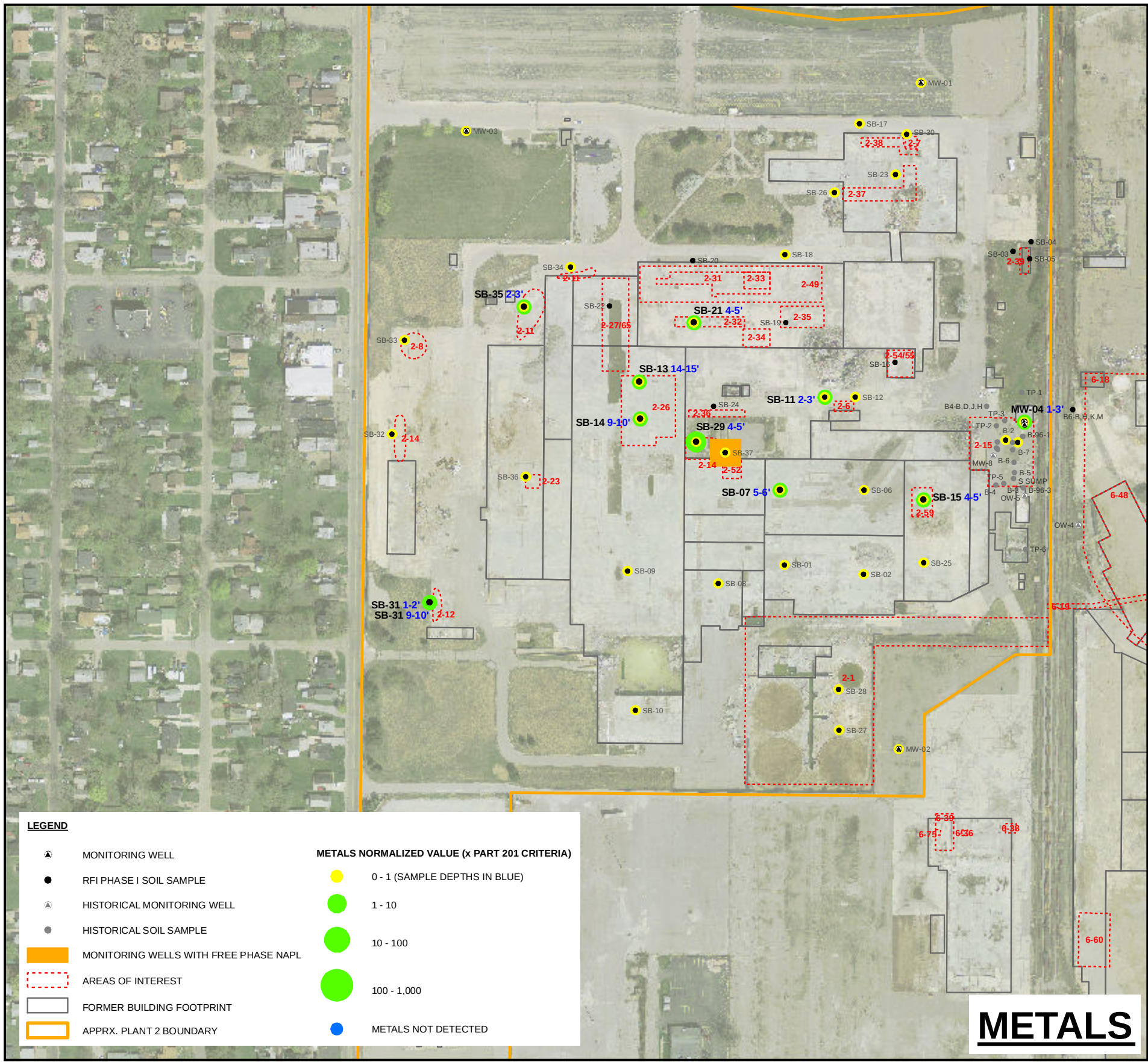
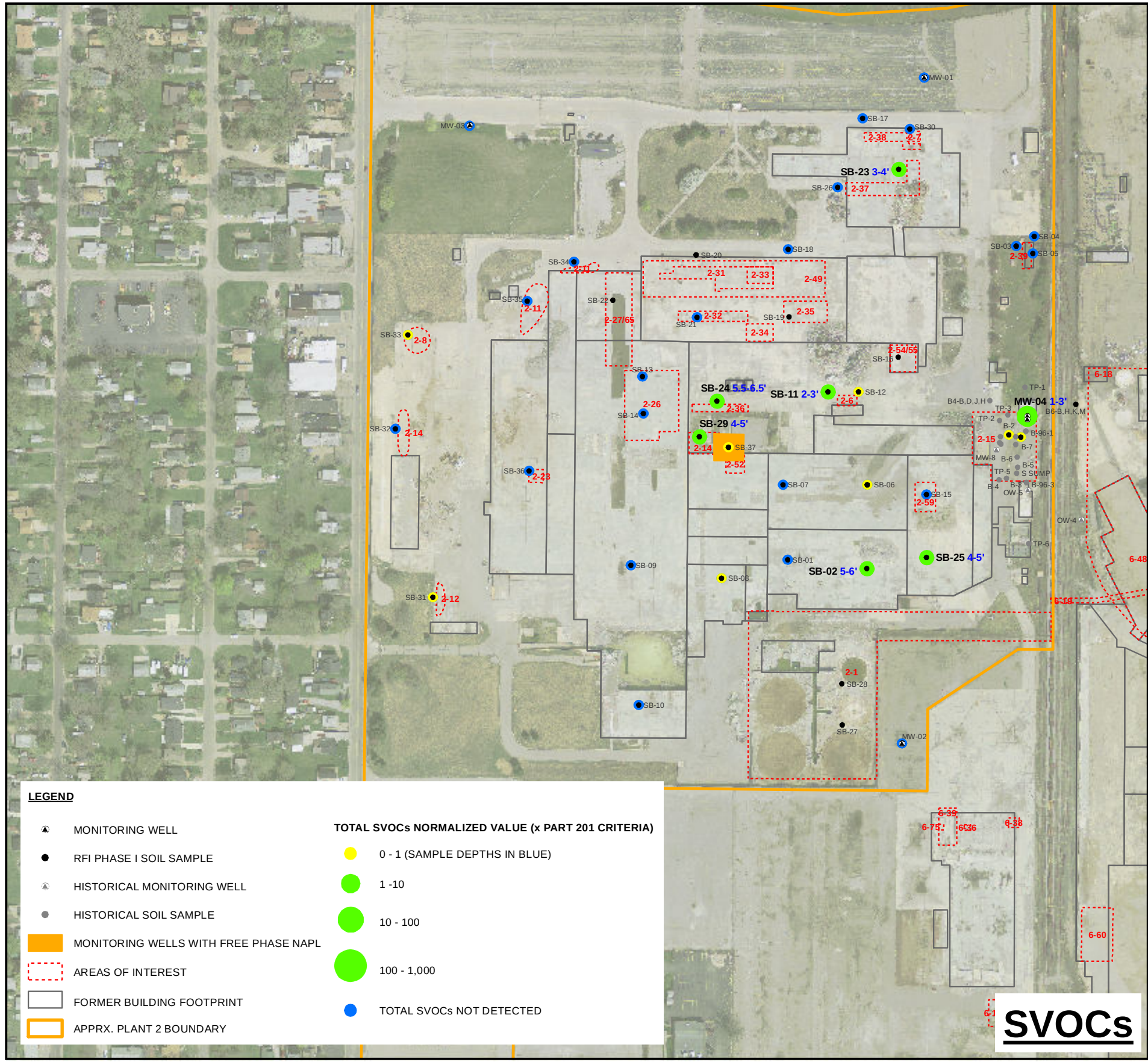
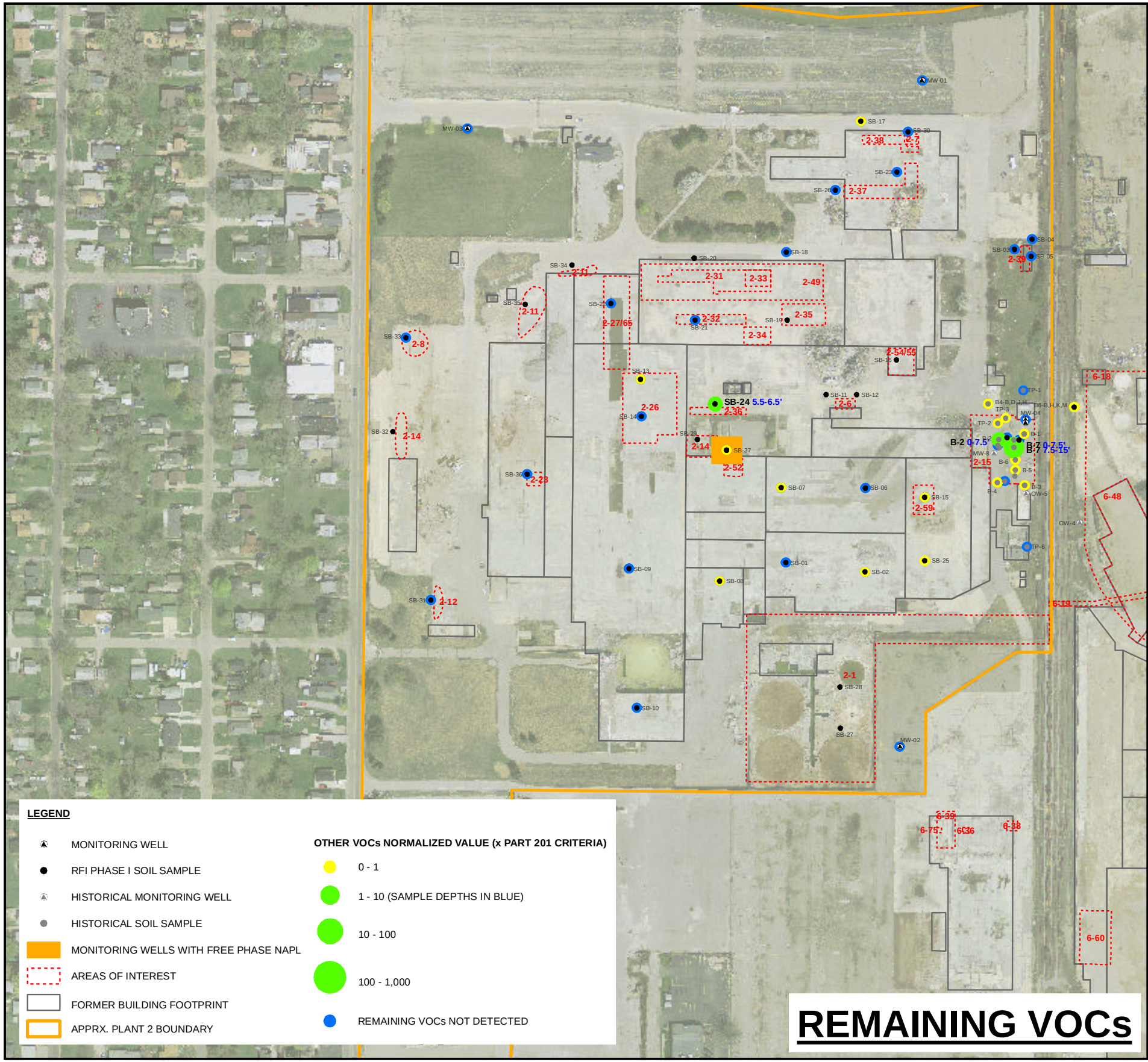
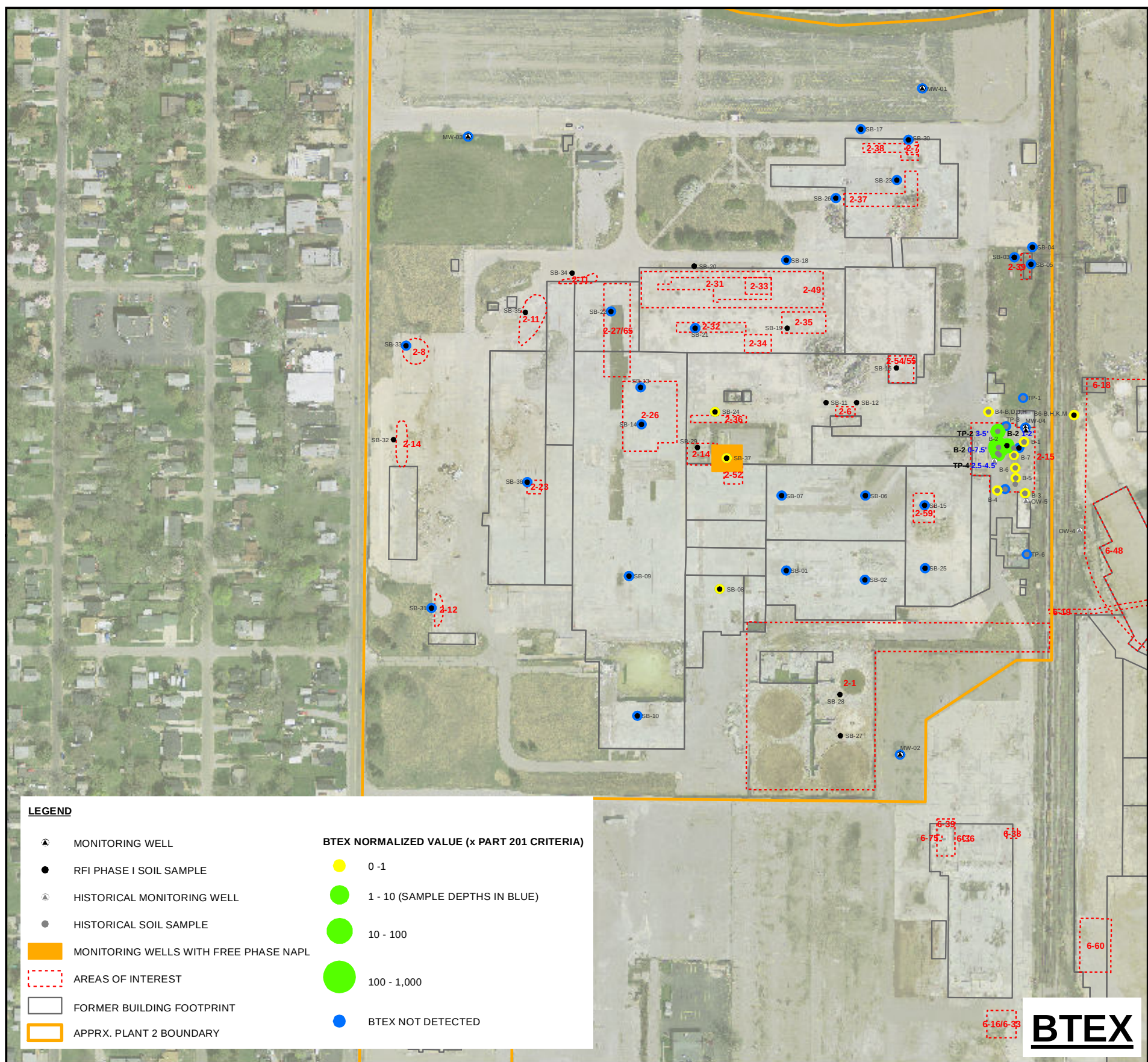
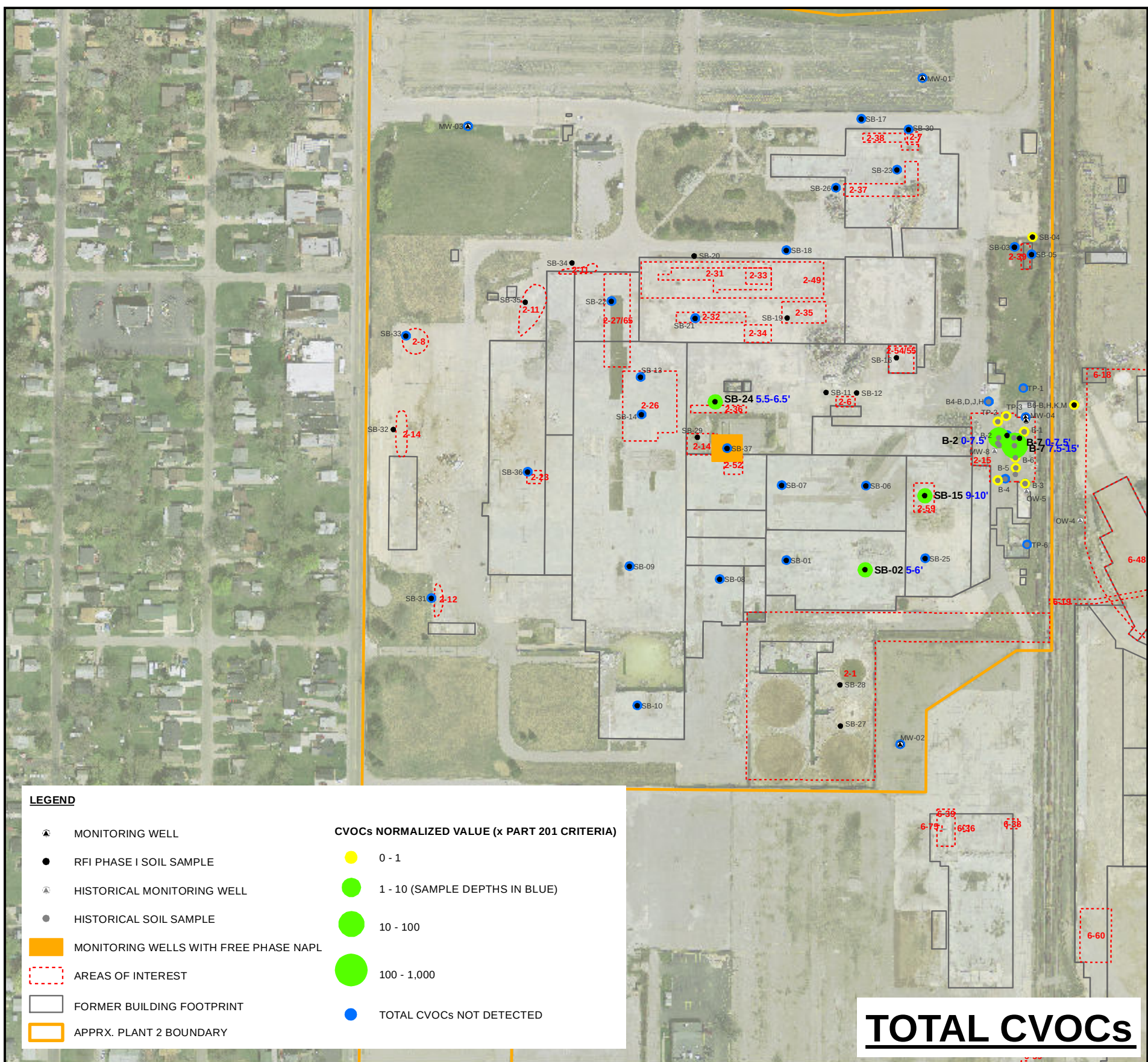


A1' A2



NORTH

A2'



NOTES:

- Normalized concentration values for each monitoring well/soil boring was determined by dividing the individual compounds by the Drinking Water Protection or Groundwater Surface Water Interface Protection criteria (whichever was lower). Metals in soil were divided by the Statewide Default Background Criteria. The result for each compound was then added together to determine the total value for each compound group. Therefore a value of less than one indicates none of the compounds within the group exceed criteria. In most cases a value greater than one indicates a criteria exceedance for at least one compound within the compound group. Please refer to the appropriate analytical tables for a complete list of compound detections.
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- BTEX – benzene, toluene, ethylbenzene and xylenes. Xylenes are added together and normalized by the total xylenes criteria.
- Other VOCs – any volatile organic compounds other than CVOCS and BTEX.
- SVOCs – semi-volatile organic compounds. For groundwater data this represents non-filtered (total) SVOC results.
- Metals – for the 2011 soil data this includes antimony, arsenic, barium, beryllium, boron, cadmium, total chromium, cobalt, copper, manganese, mercury, nickel, selenium, silver, thallium, vanadium, lead and zinc.
- PCBs – polychlorinated biphenyls. The figure represents total PCB concentration and is given in mg/Kg (soil) and µg/L (groundwater).



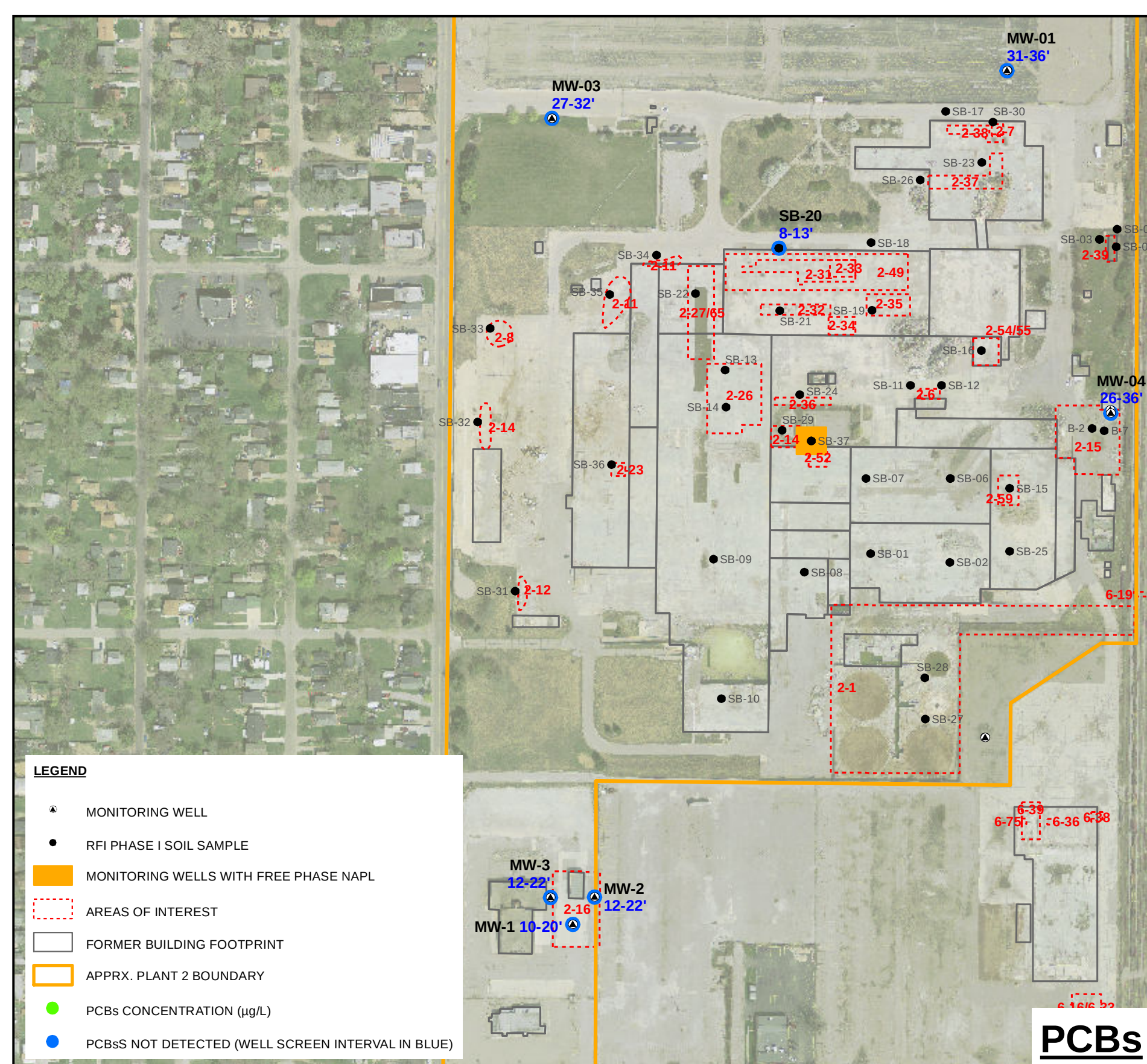
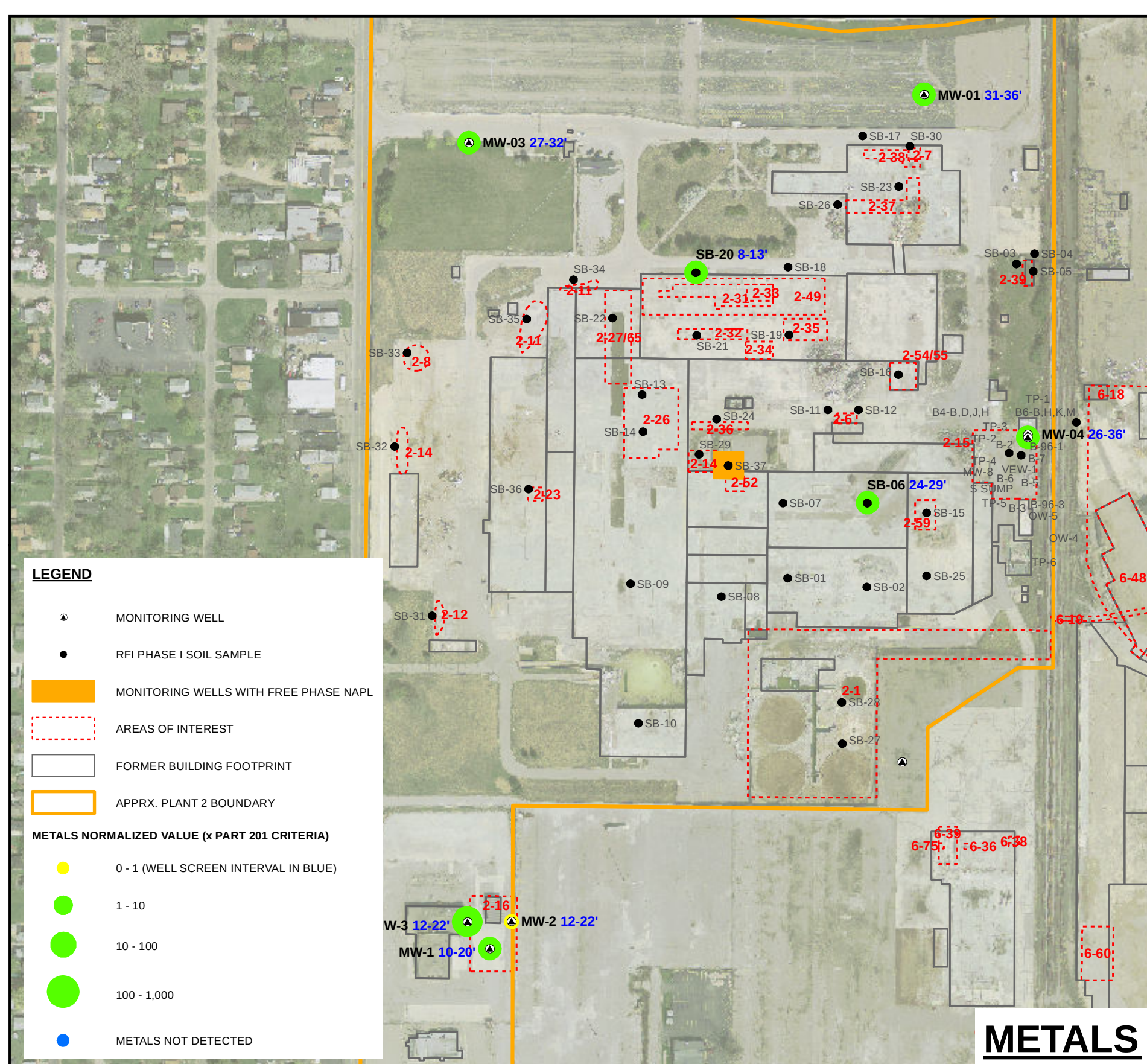
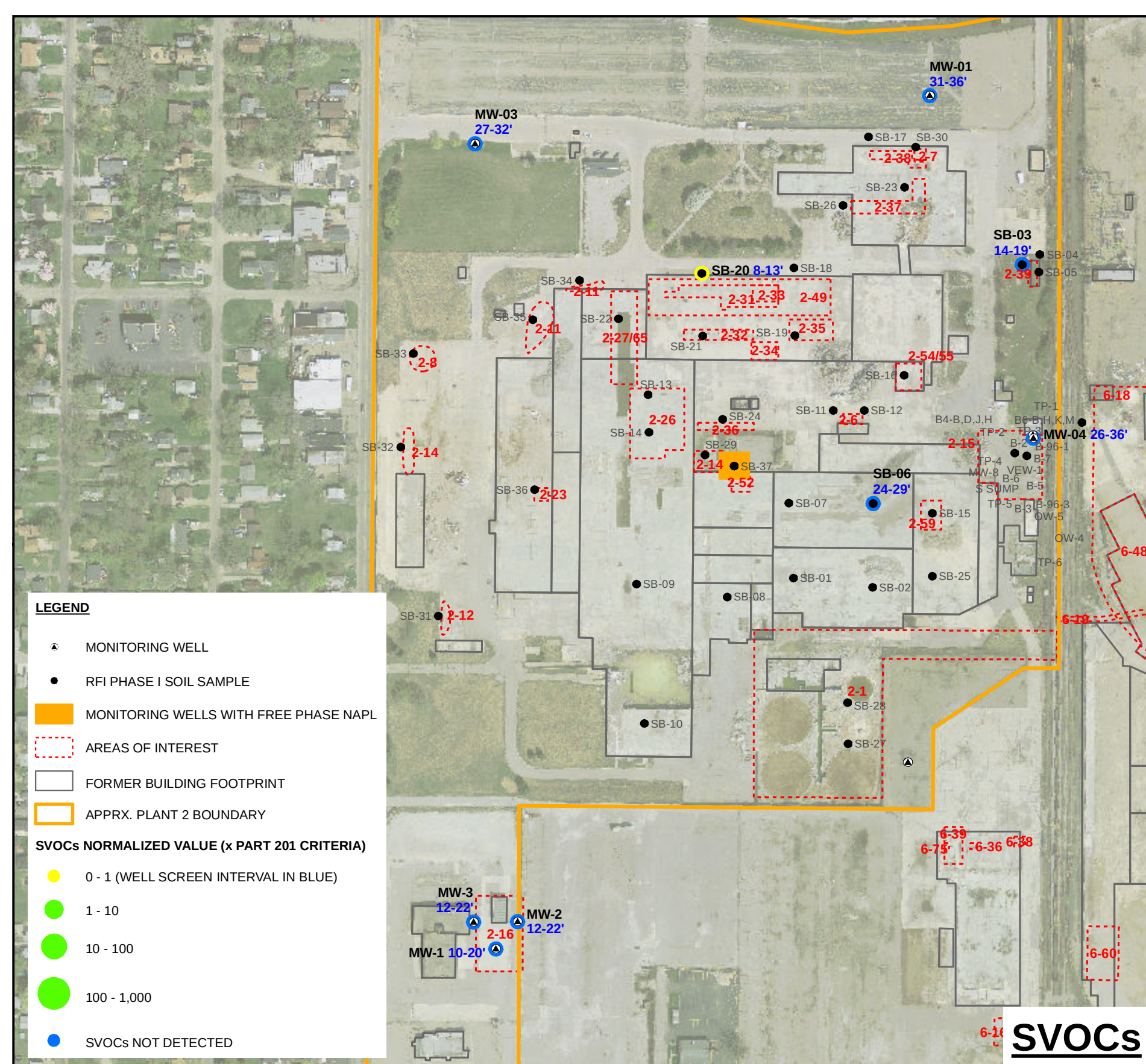
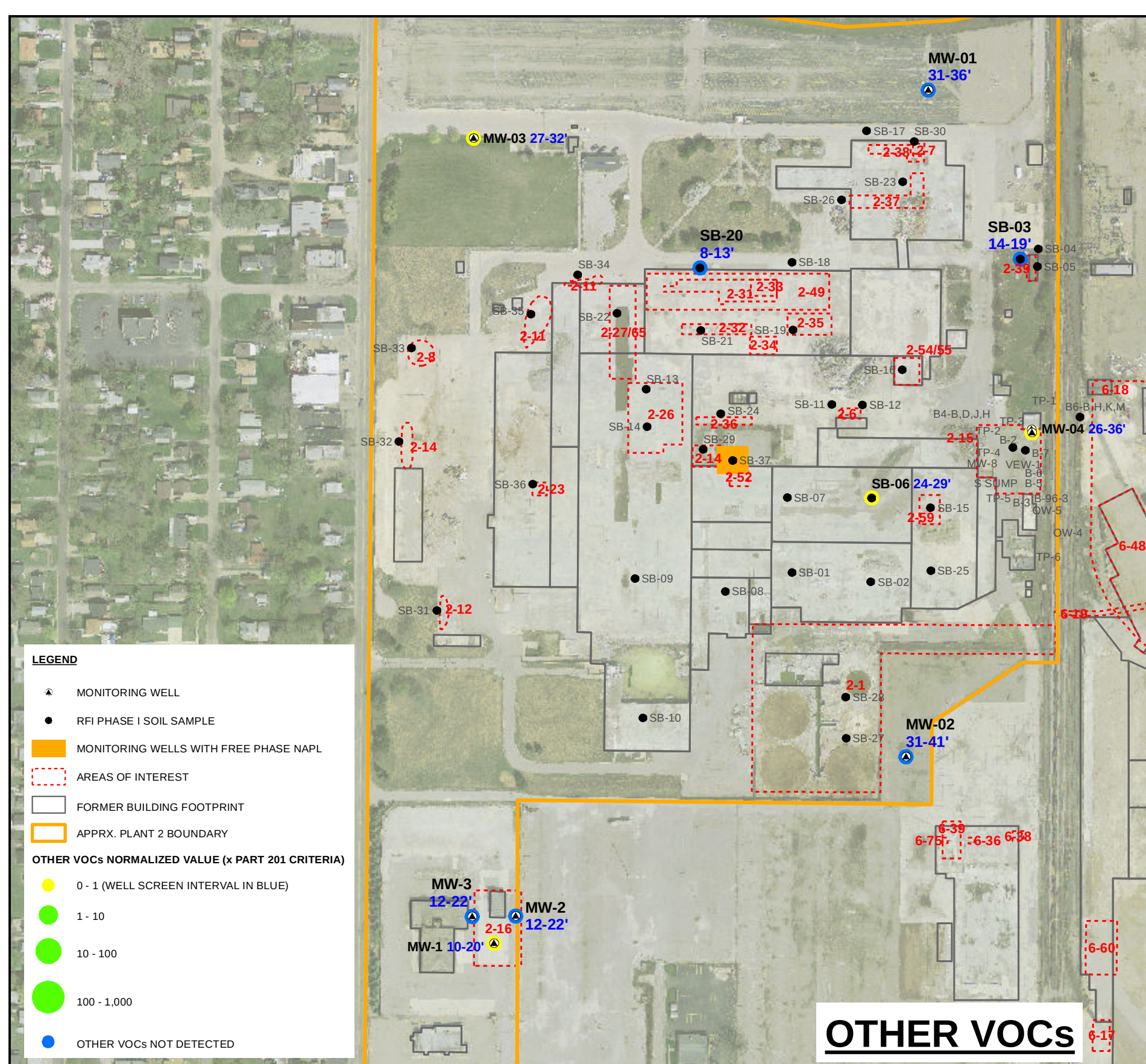
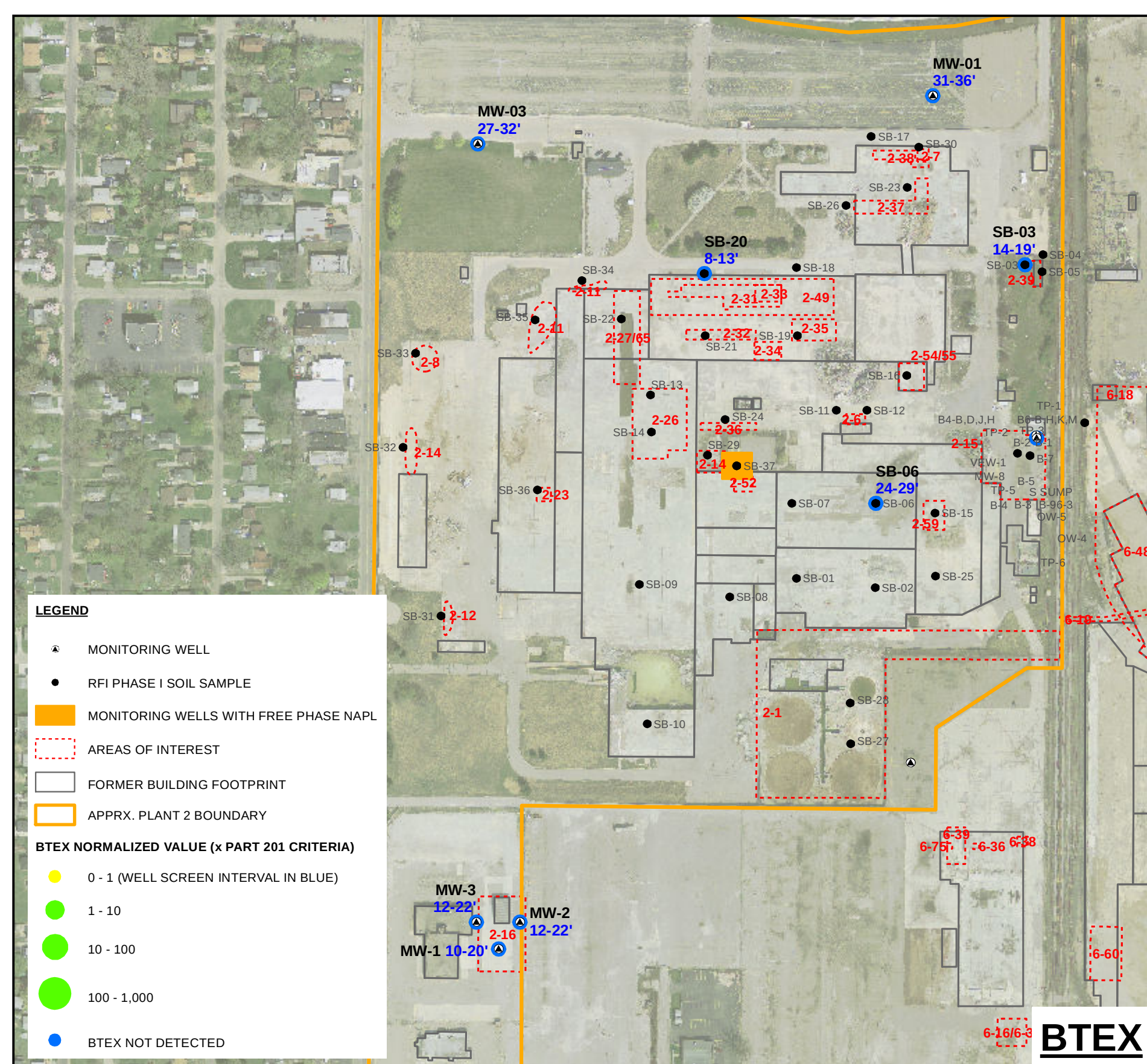
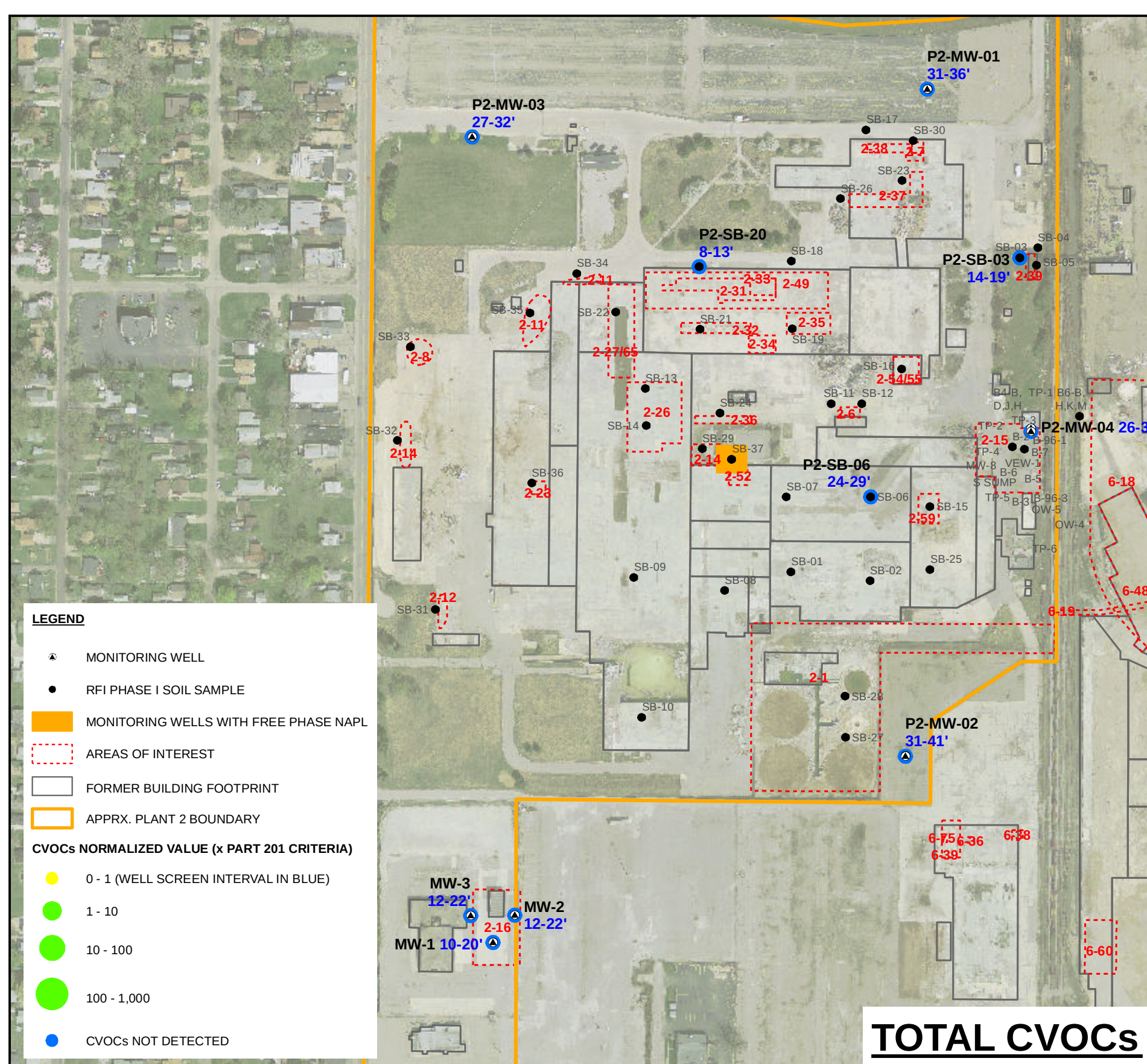
200 100 0 200
SCALE IN FEET

RACER TRUST
LANSING, MICHIGAN
PLANT 2

PLANT 2 RFI PHASE I INVESTIGATION SUMMARY - SOIL



FIGURE
2.1



NOTES:

1. Normalized concentration values for each monitoring well/soil boring was determined by dividing the individual compounds by the Drinking Water Protection or Groundwater Surface Water Interface Protection criteria (whichever was lower). Metals in soil were divided by the Statewide Default Background Criteria. The result for each compound was then added together to determine the total value for each compound group. Therefore a value of less than one indicates none of the compounds within the group exceed criteria. In most cases a value greater than one indicates a criteria exceedance for at least one compound within the compound group. Please refer to the appropriate analytical tables for a complete list of compound detections.
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6. Other VOCs – any volatile organic compounds other than CVOCs and BTEX.
7. SVOCs – semi-volatile organic compounds. For groundwater data this represents non-filtered (total) SVOC results.
8. Metals – for the 2011 soil data this includes antimony, arsenic, barium, beryllium, boron, cadmium, total chromium, cobalt, copper, manganese, mercury, nickel, selenium, silver, thallium, vanadium, lead and zinc.
9. PCBs – polychlorinated biphenyls. The figure represents total PCB concentration and is given in mg/Kg (soil) and µg/L (groundwater).



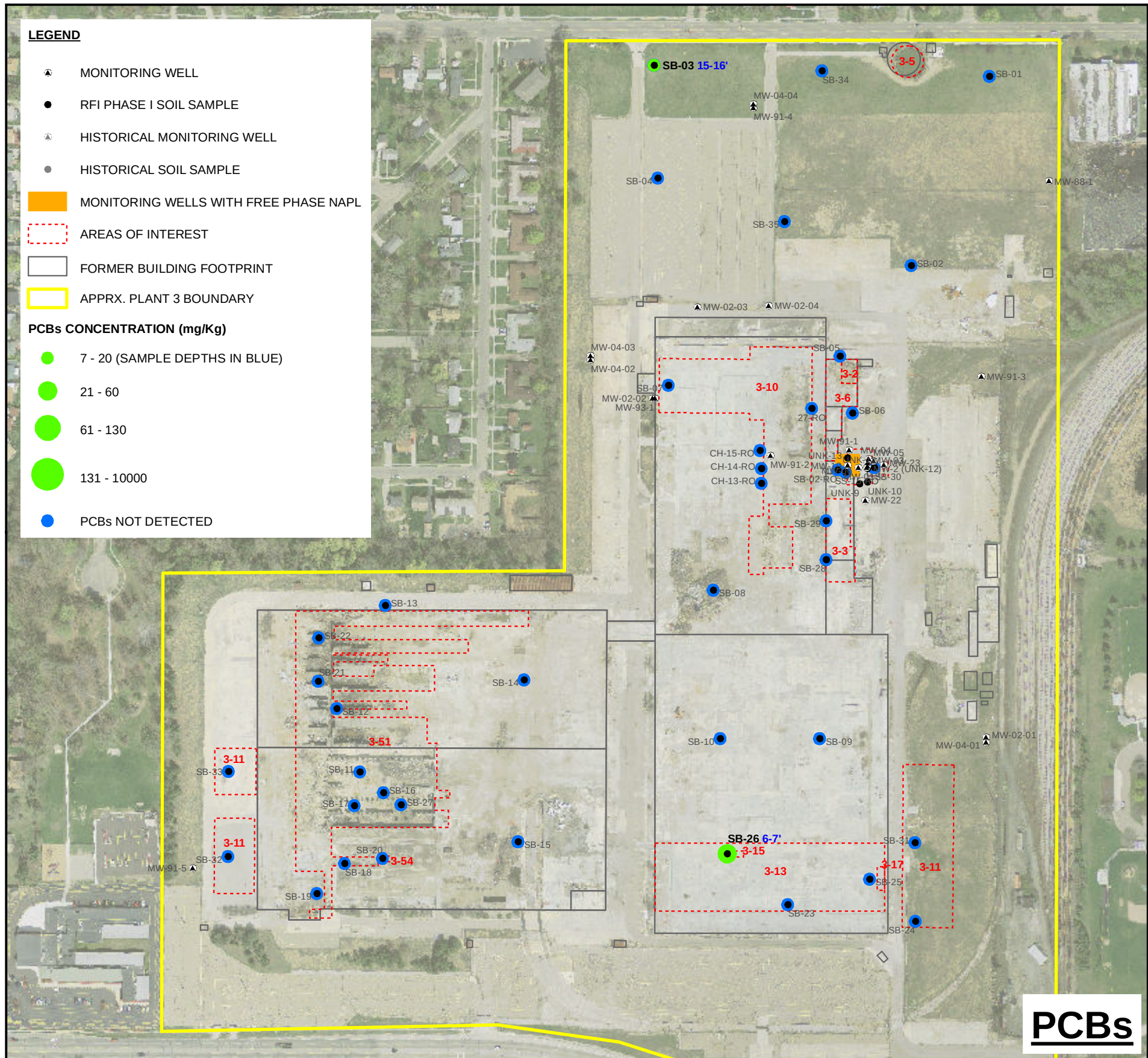
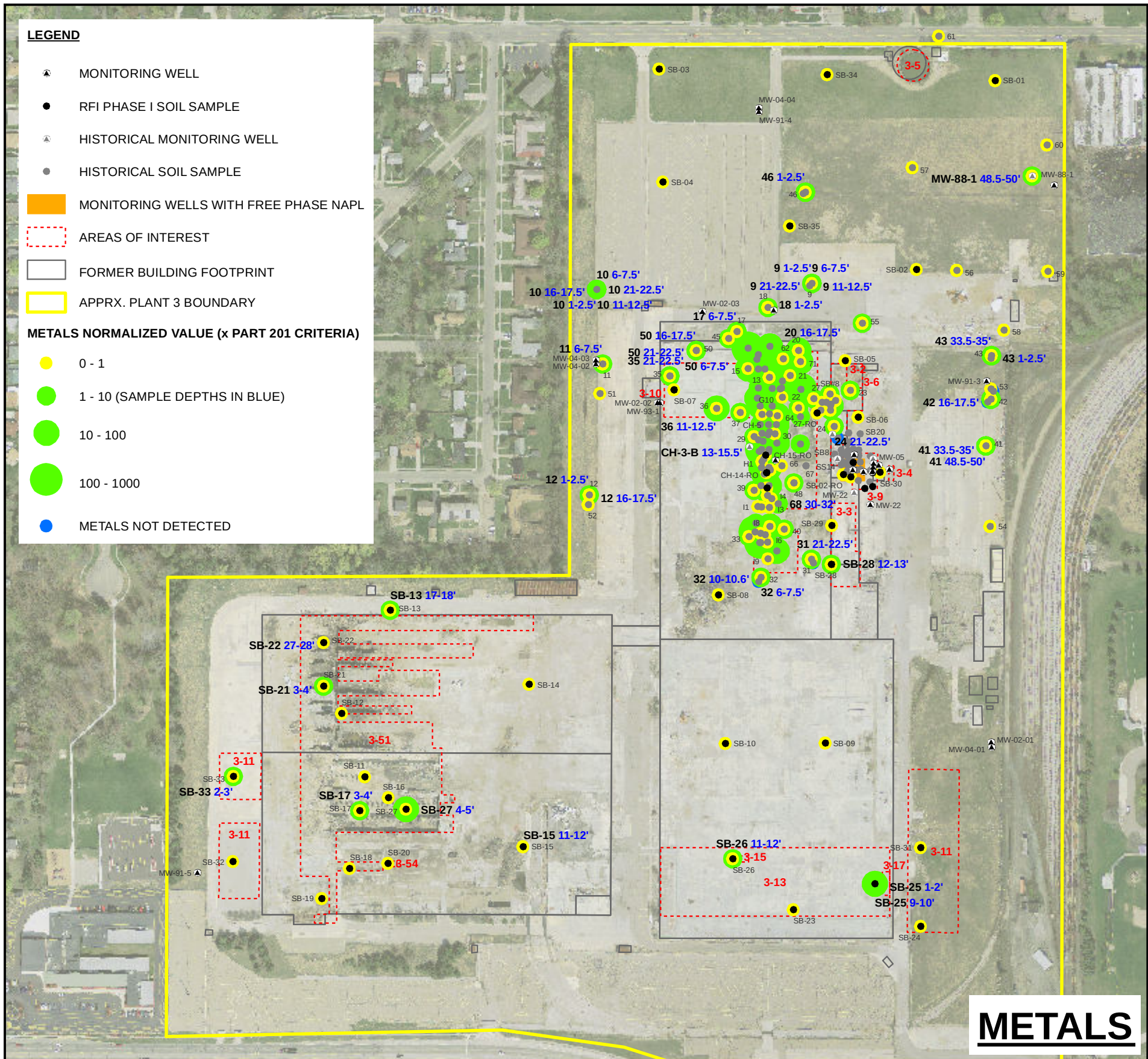
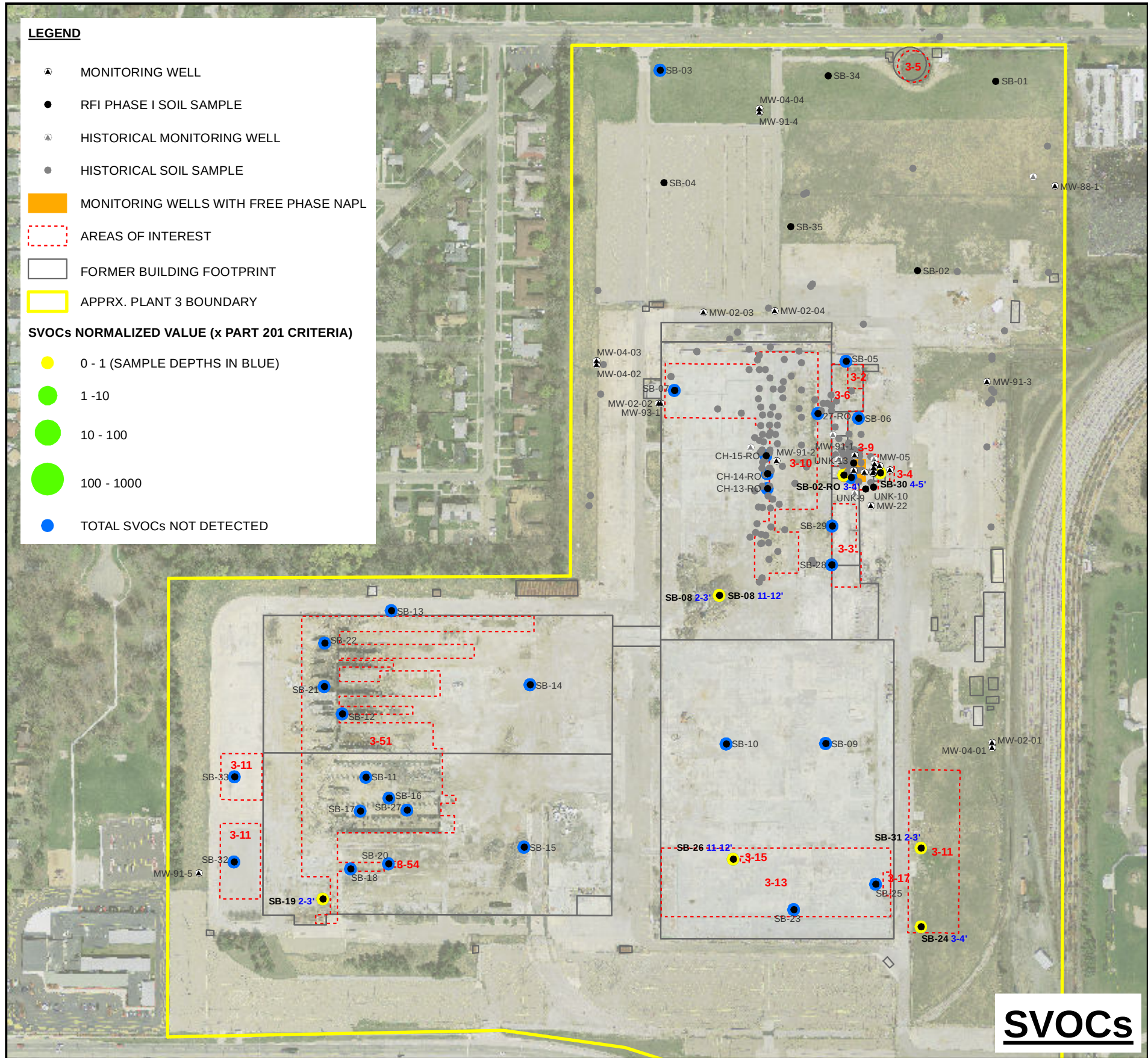
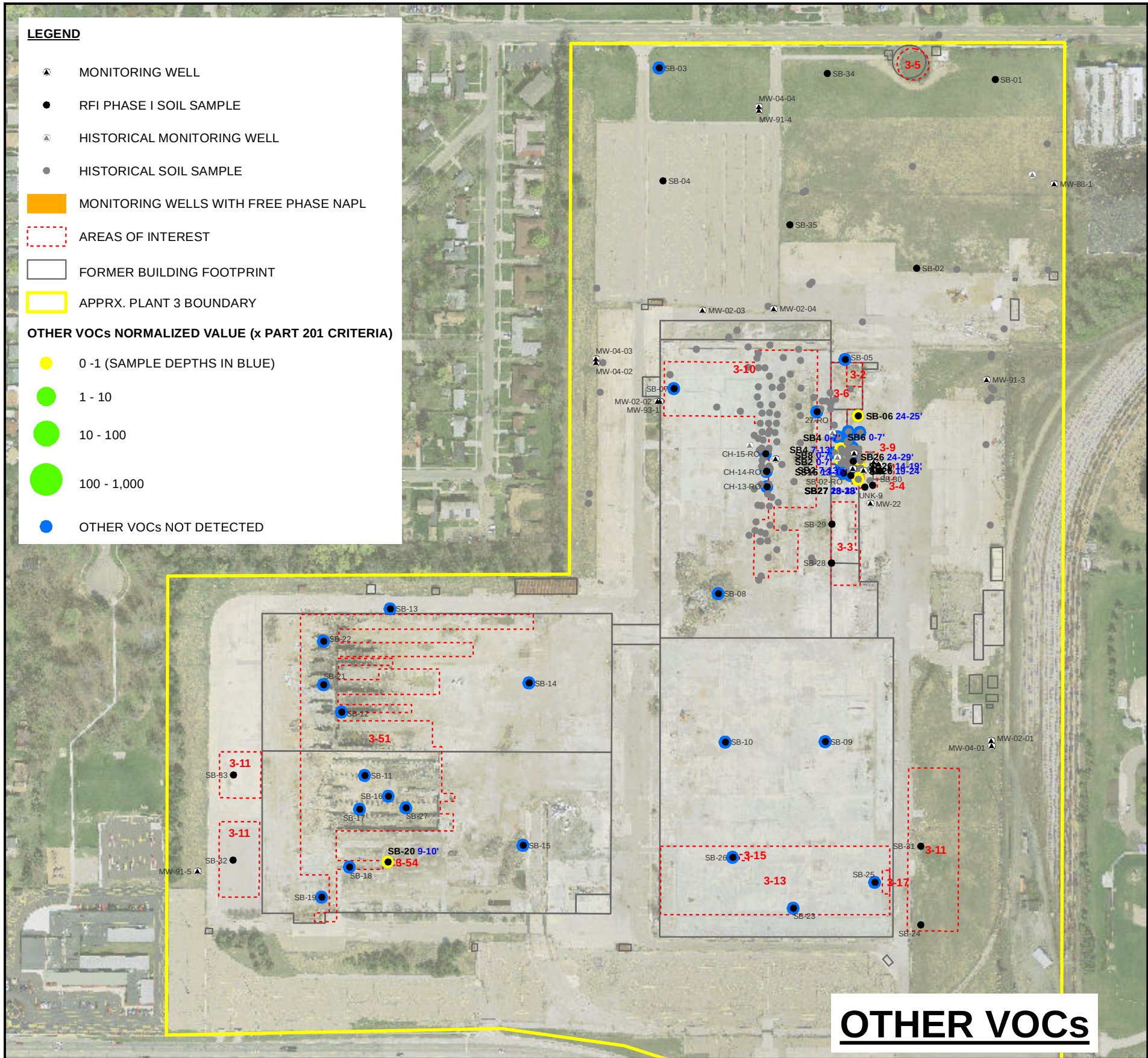
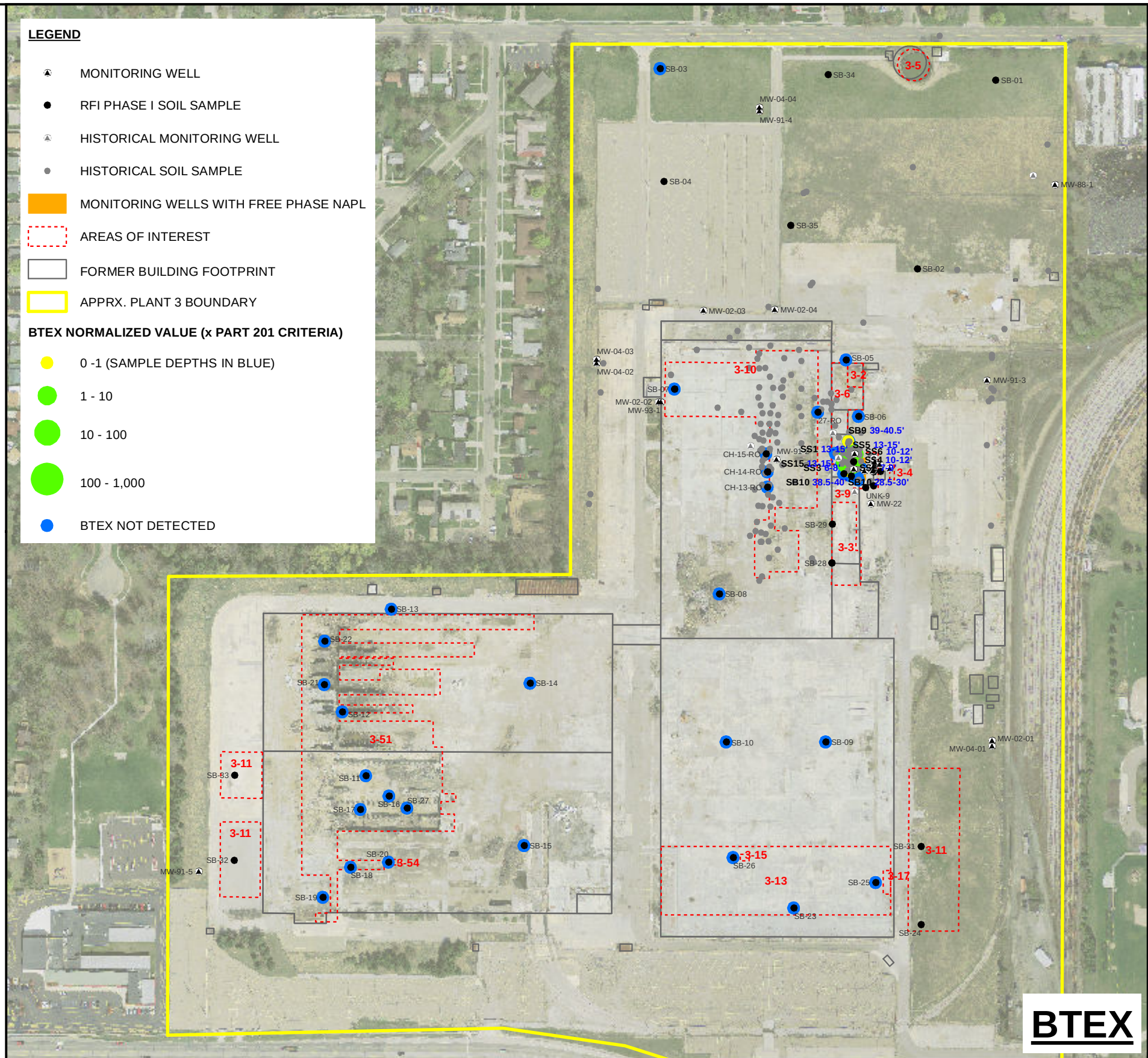
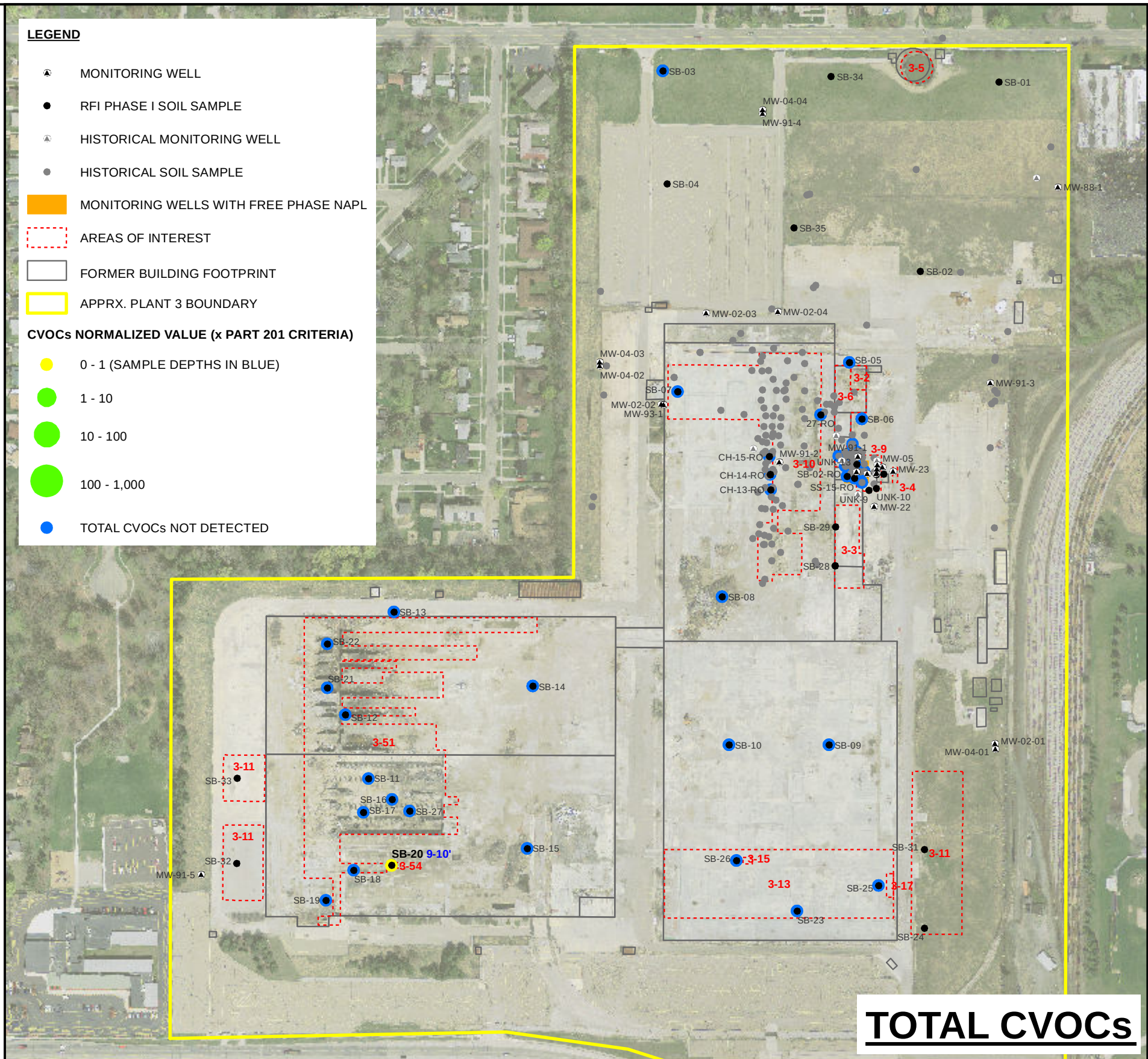
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SCALE IN FEET

RACER TRUST
LANSING, MICHIGAN
PLANT 2

PLANT 2 RFI PHASE I INVESTIGATION SUMMARY - GROUNDWATER

FIGURE
2.2



NOTES:

1. Normalized concentration values for each monitoring well/soil boring was determined by dividing the individual compounds by the Drinking Water Protection or Groundwater Surface Interface Protection criteria (whichever was lower). Metals in soil were divided by the Statewide Default Background Criteria. The result for each compound was then added together to determine the total value for each compound group. Therefore a value of less than one indicates none of the compounds within the group exceed criteria. In most cases a value greater than one indicates a criteria exceedance for at least one compound within the compound group. Please refer to the appropriate analytical tables for a complete list of compound detections.
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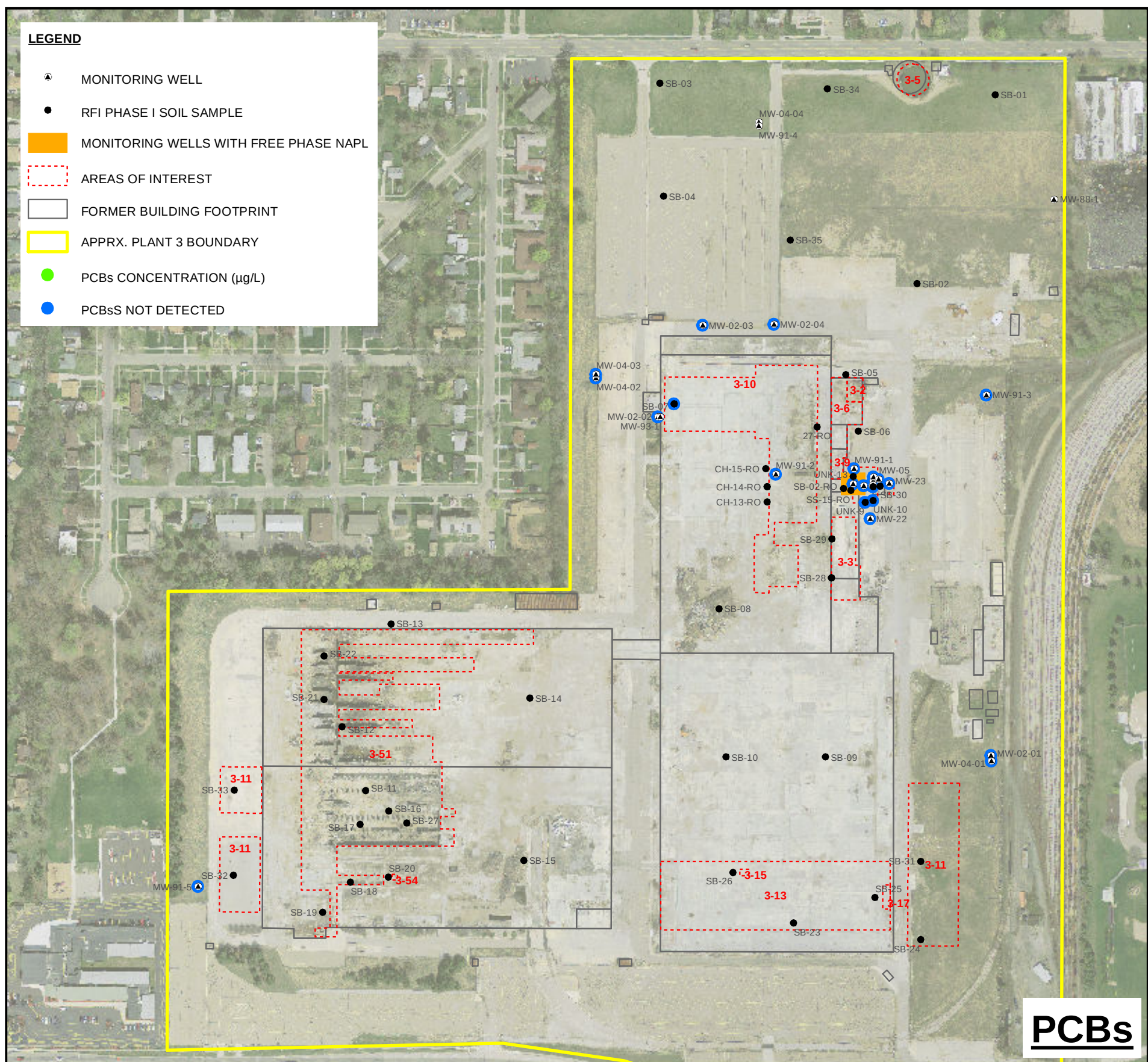
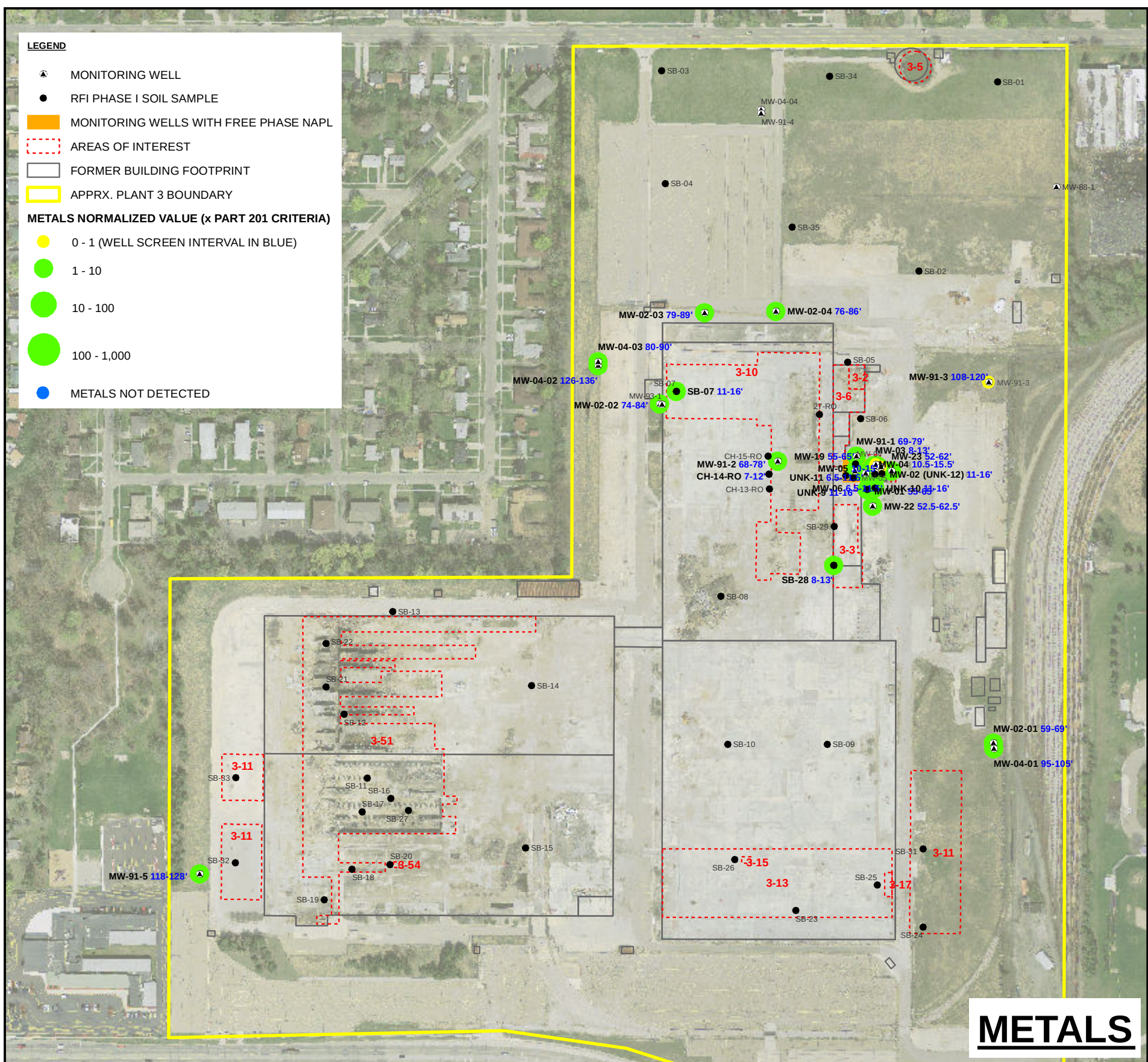
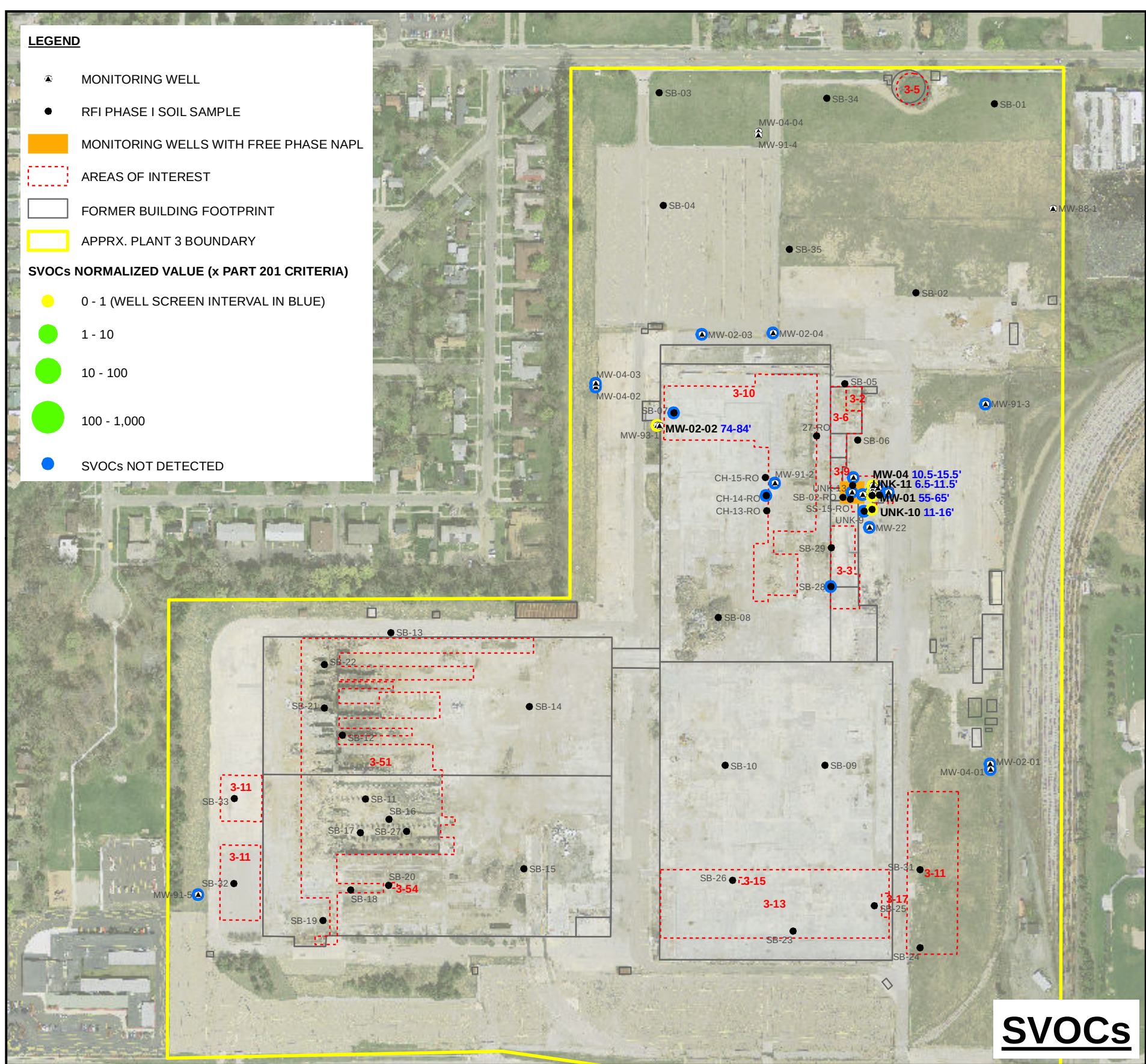
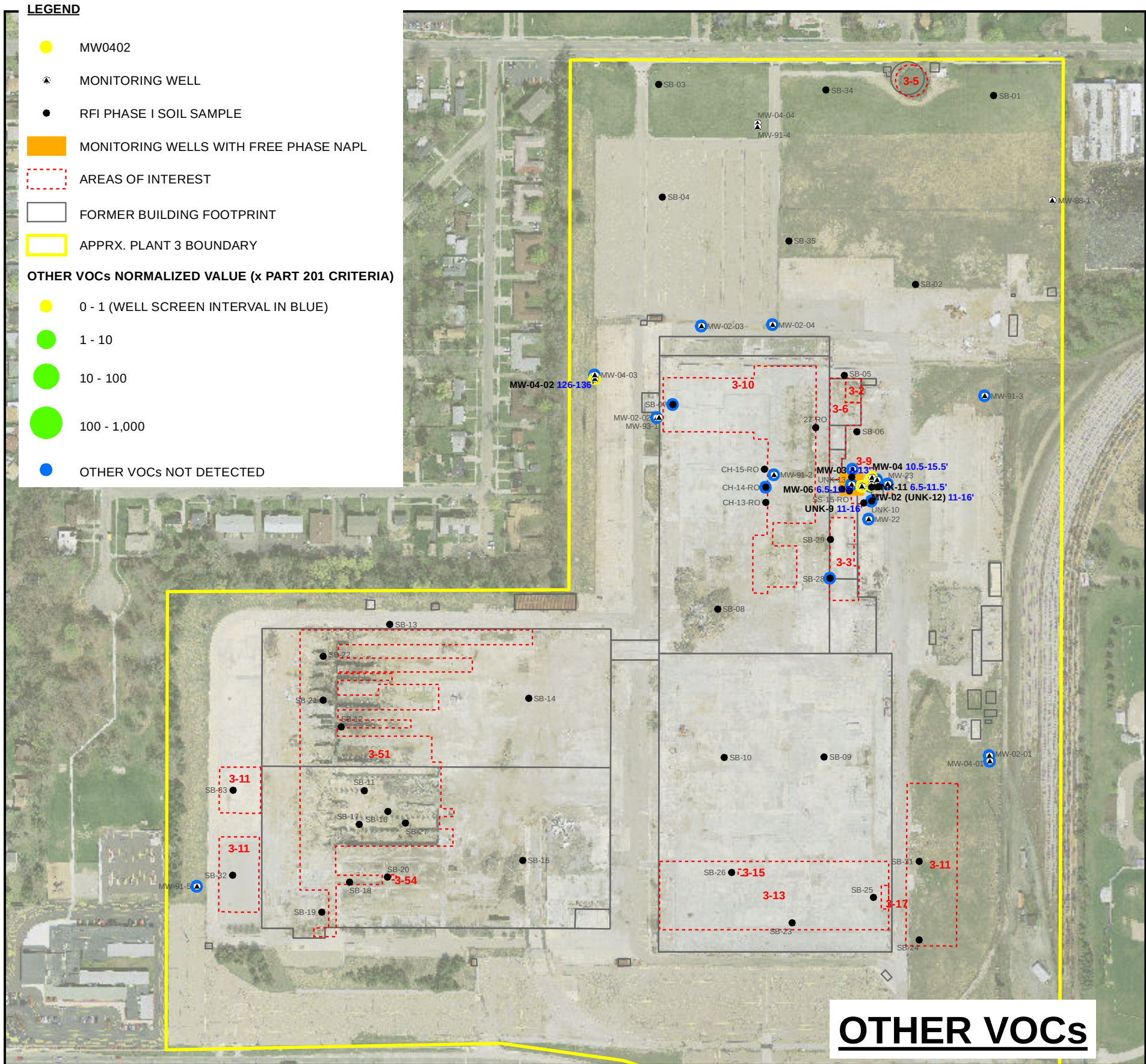
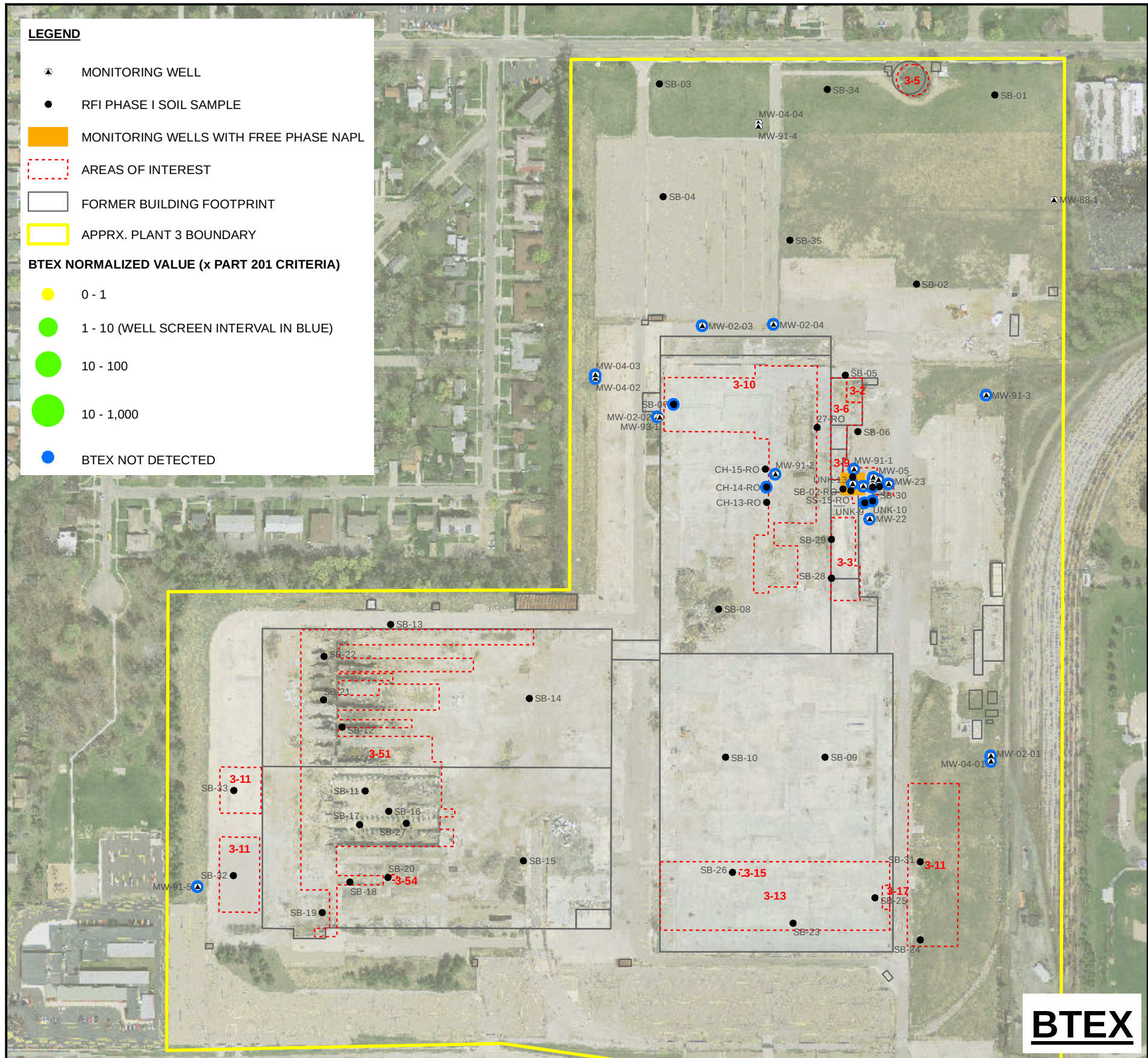
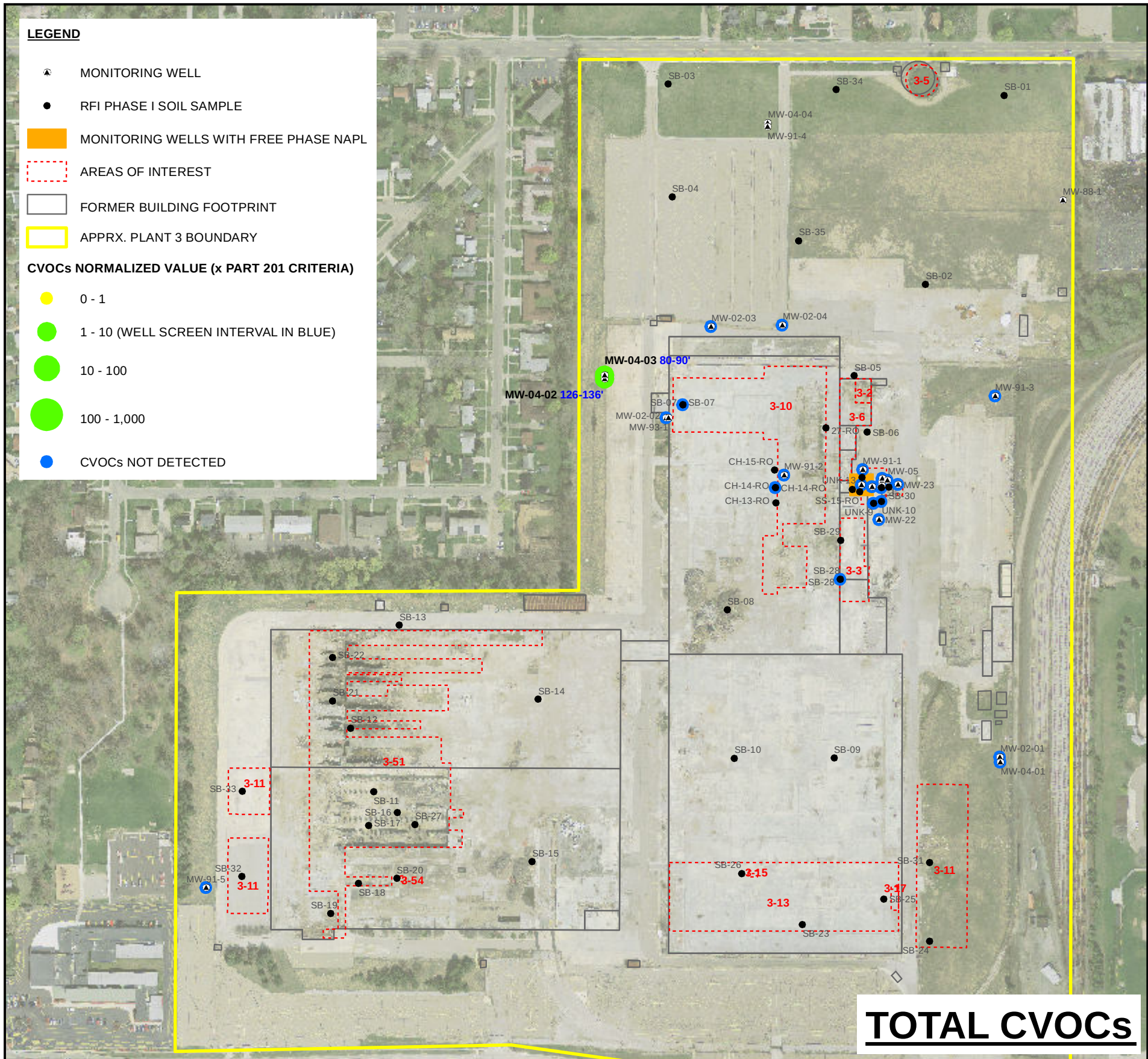
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SCALE IN FEET

RACER TRUST
LANSING, MICHIGAN
PLANT 3

PLANT 3 RFI PHASE I INVESTIGATION SUMMARY - SOIL



FIGURE
3.1



- NOTES:**
- Normalized concentration values for each monitoring well/soil boring was determined by dividing the individual compounds by the Drinking Water Protection or Groundwater Surface Water Interface Protection criteria (whichever was lower). Metals in soil were divided by the Statewide Default Background Criteria. The result for each compound was then added together to determine the total value for each compound group. Therefore a value of less than one indicates none of the compounds within the group exceed criteria. In most cases a value greater than one indicates a criteria exceedance for at least one compound within the compound group. Please refer to the appropriate analytical tables for a complete list of compound detections.
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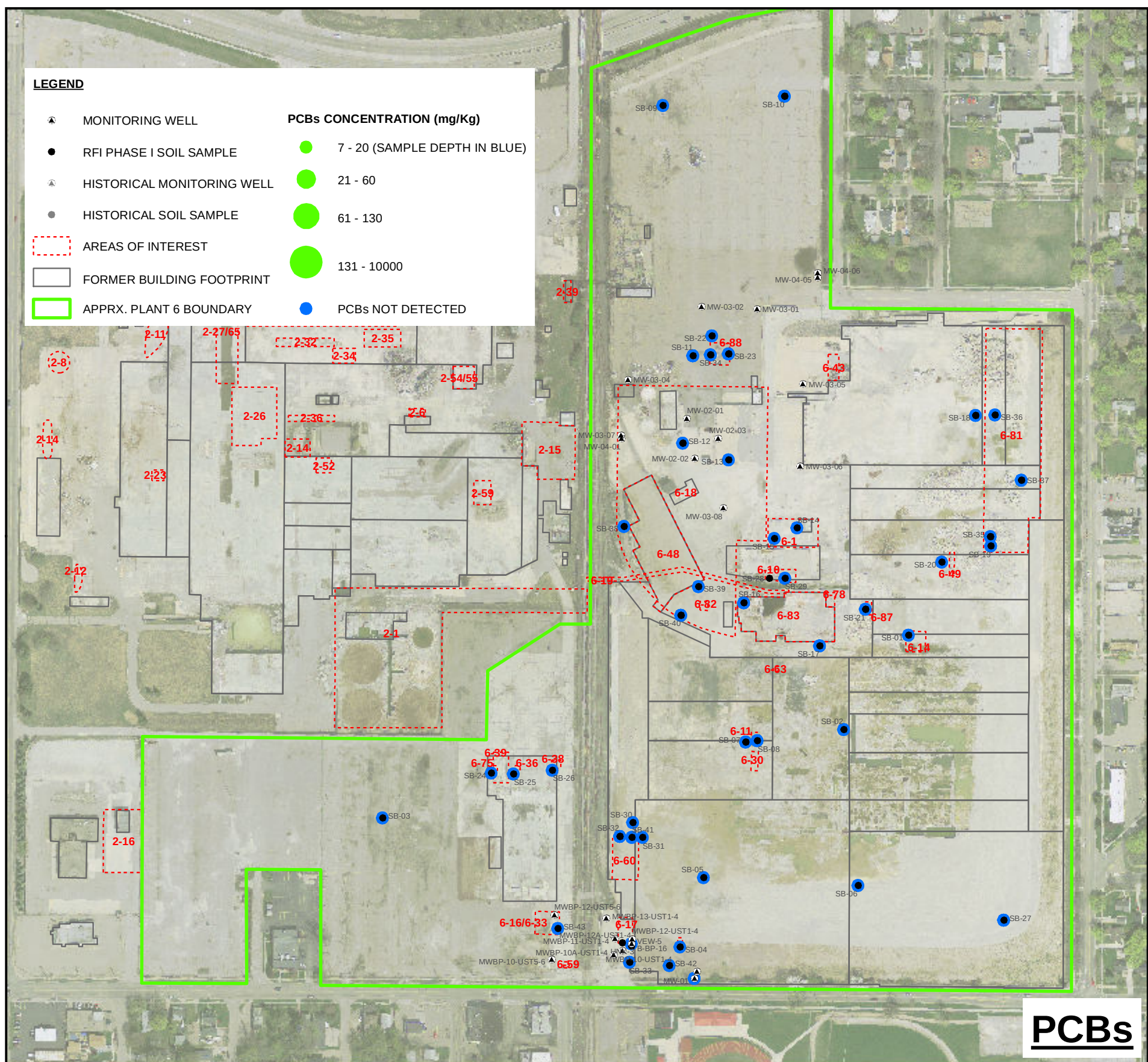
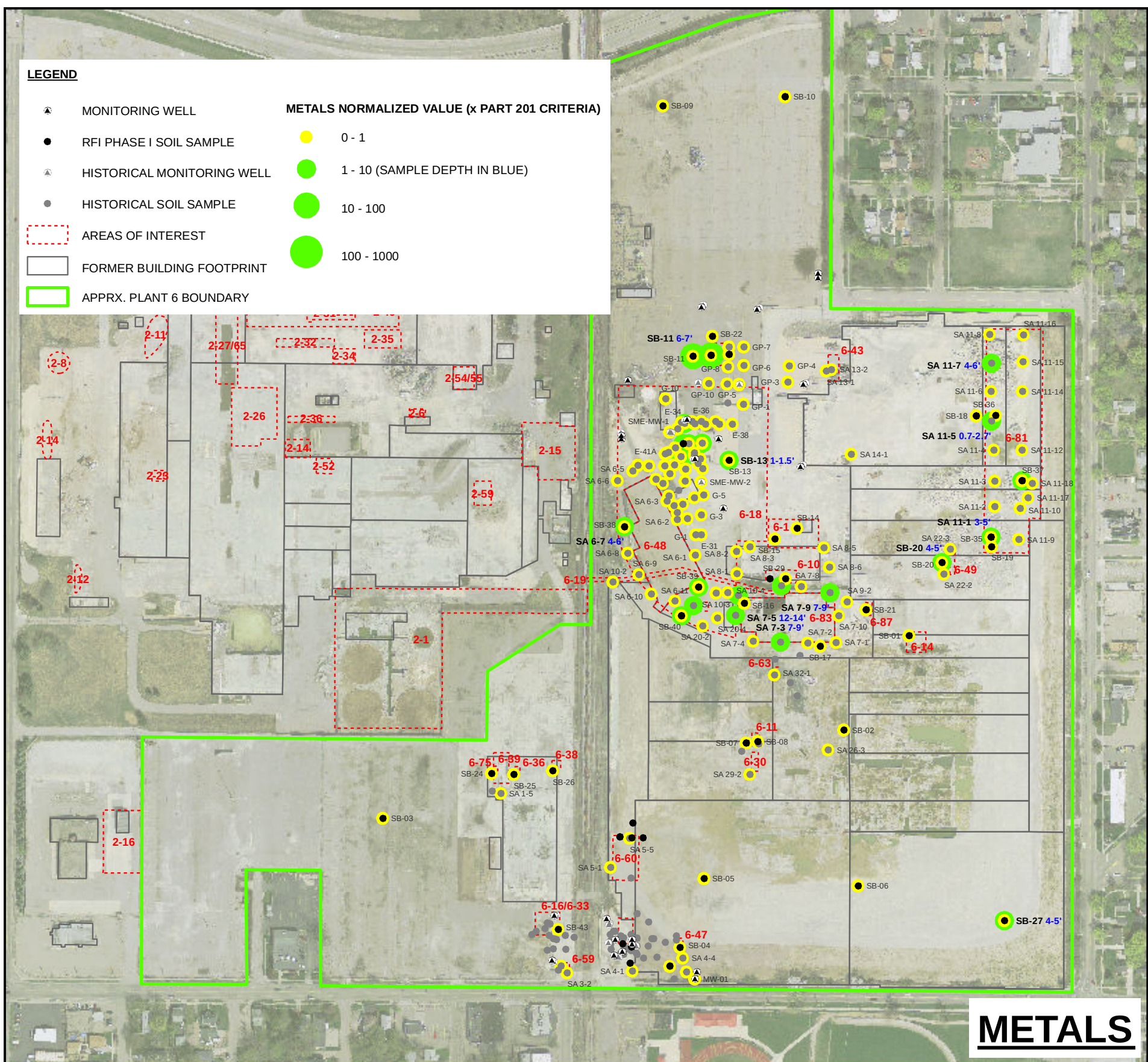
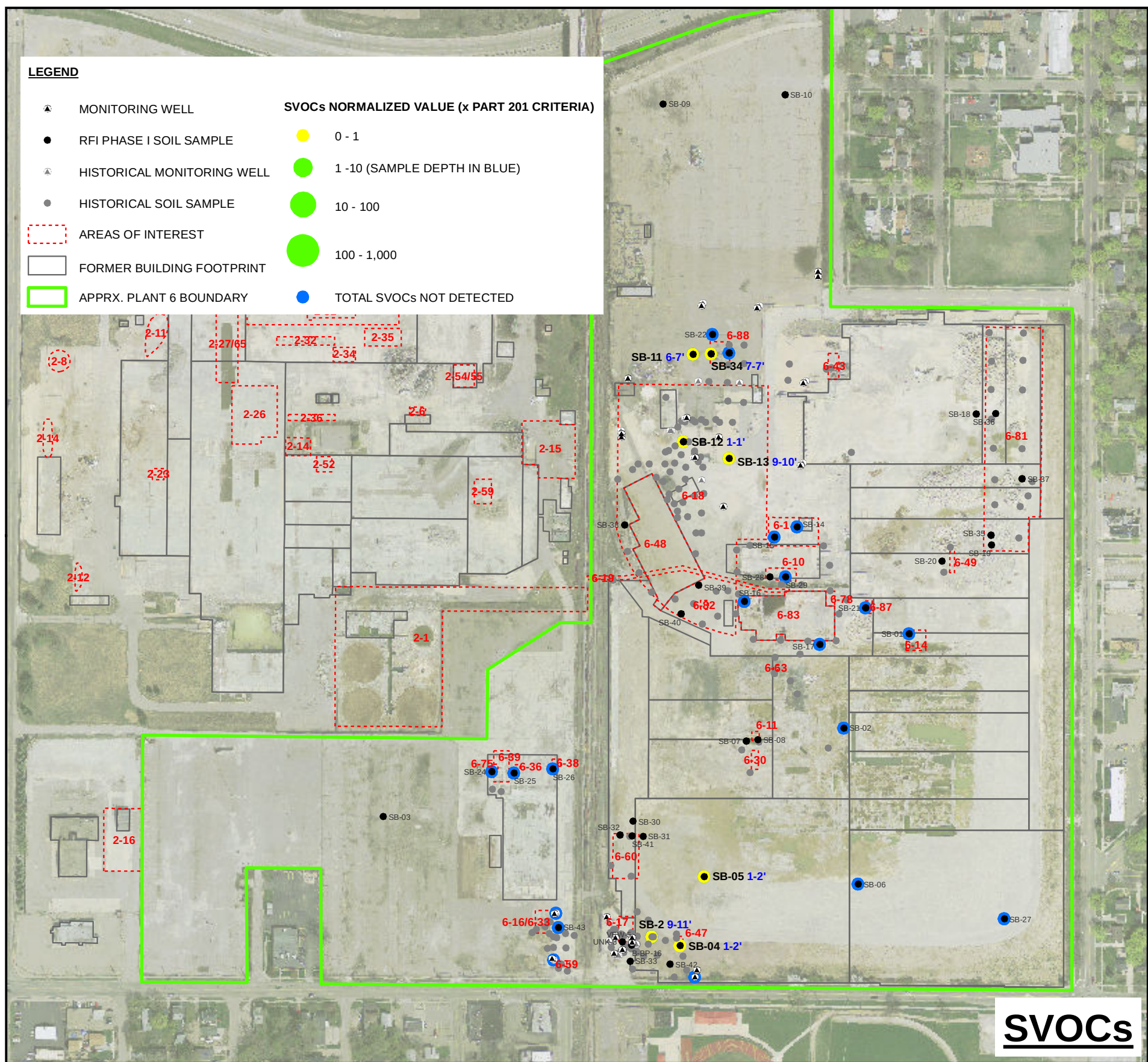
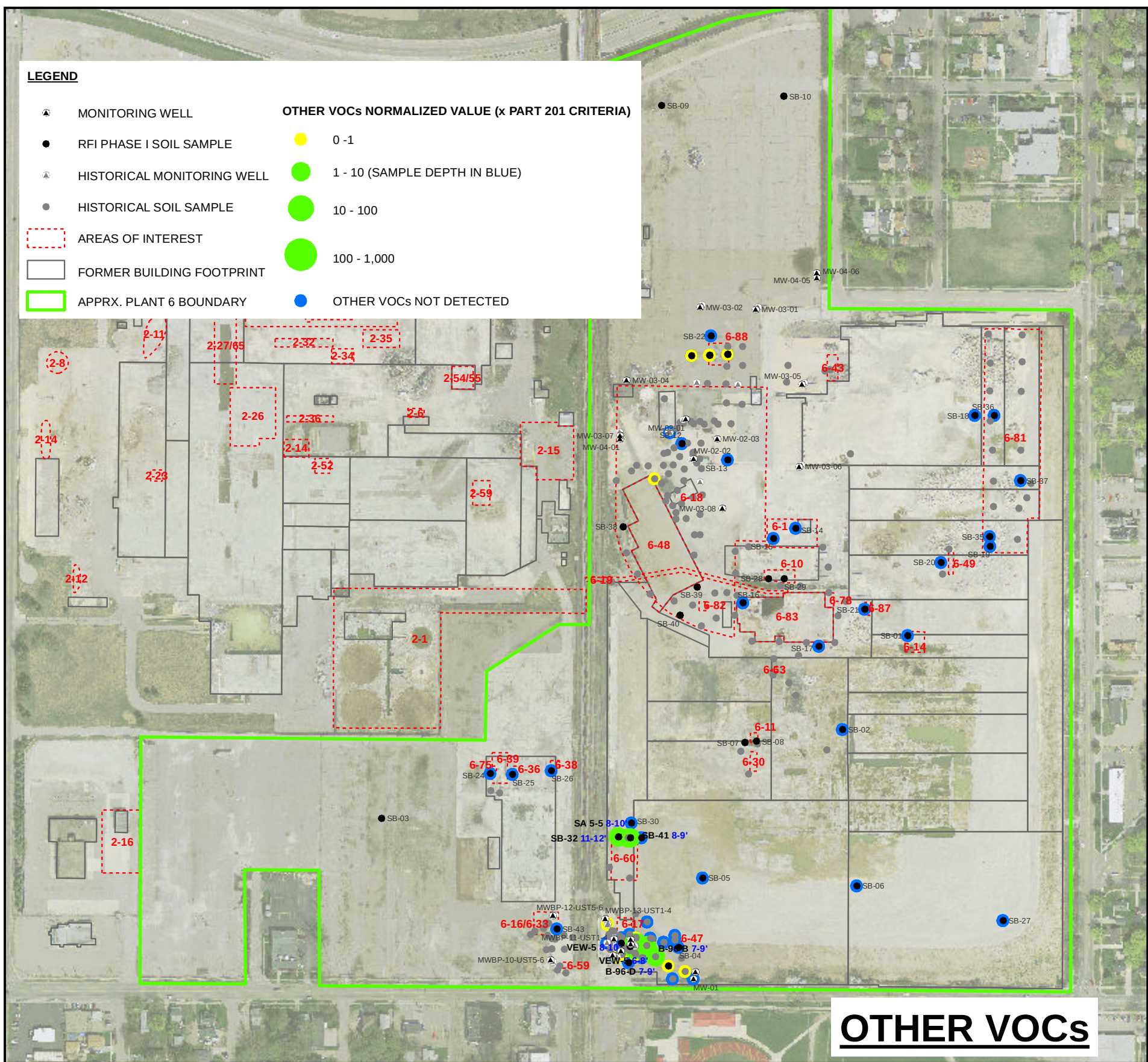
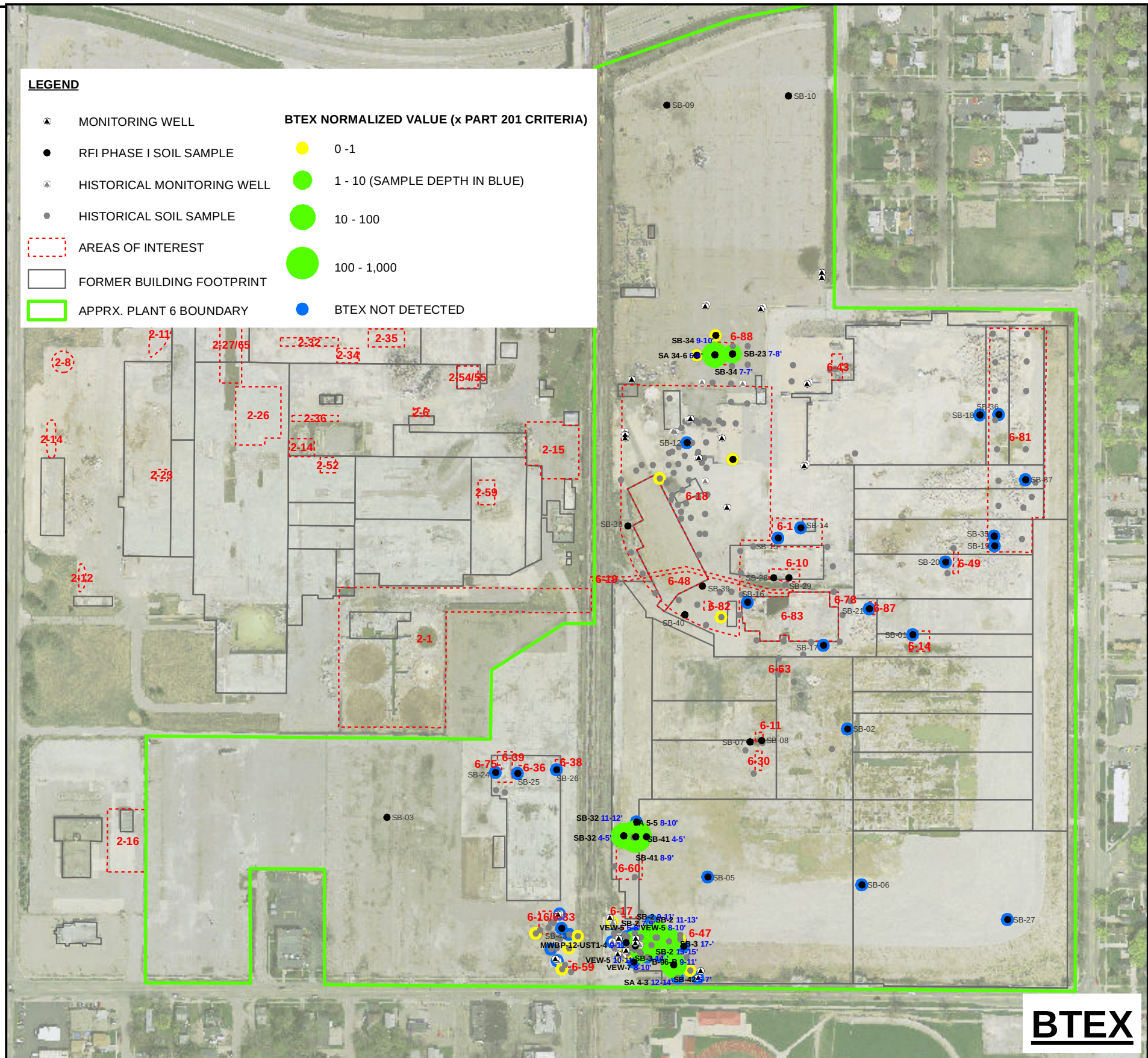
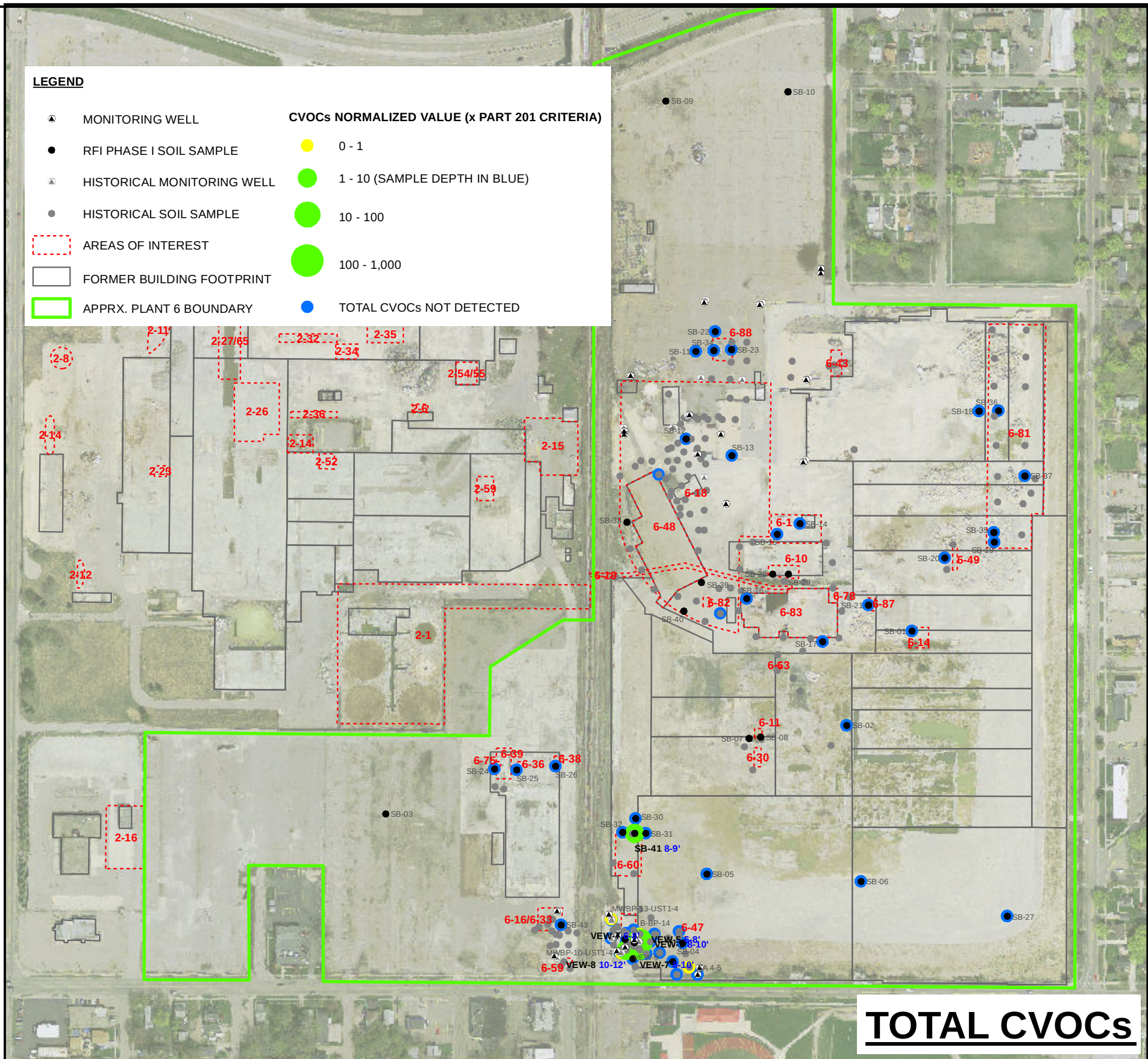
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SCALE IN FEET

RACER TRUST
LANSING, MICHIGAN
PLANT 3

PLANT 3 RFI PHASE I INVESTIGATION SUMMARY - GROUNDWATER



FIGURE
3.2



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 - Other VOCs – any volatile organic compounds other than CVOCs and BTEX.
 - SVOCs – semi-volatile organic compounds. For groundwater data this represents non-filtered (total) SVOC results.
 - Metals – for the 2011 soil data this includes antimony, arsenic, barium, beryllium, boron, cadmium, total chromium, cobalt, copper, manganese, mercury, nickel, selenium, silver, thallium, vanadium, lead and zinc.
 - PCBs – polychlorinated biphenyls. The figure represents total PCB concentration and is given in mg/Kg (soil) and µg/L (groundwater).



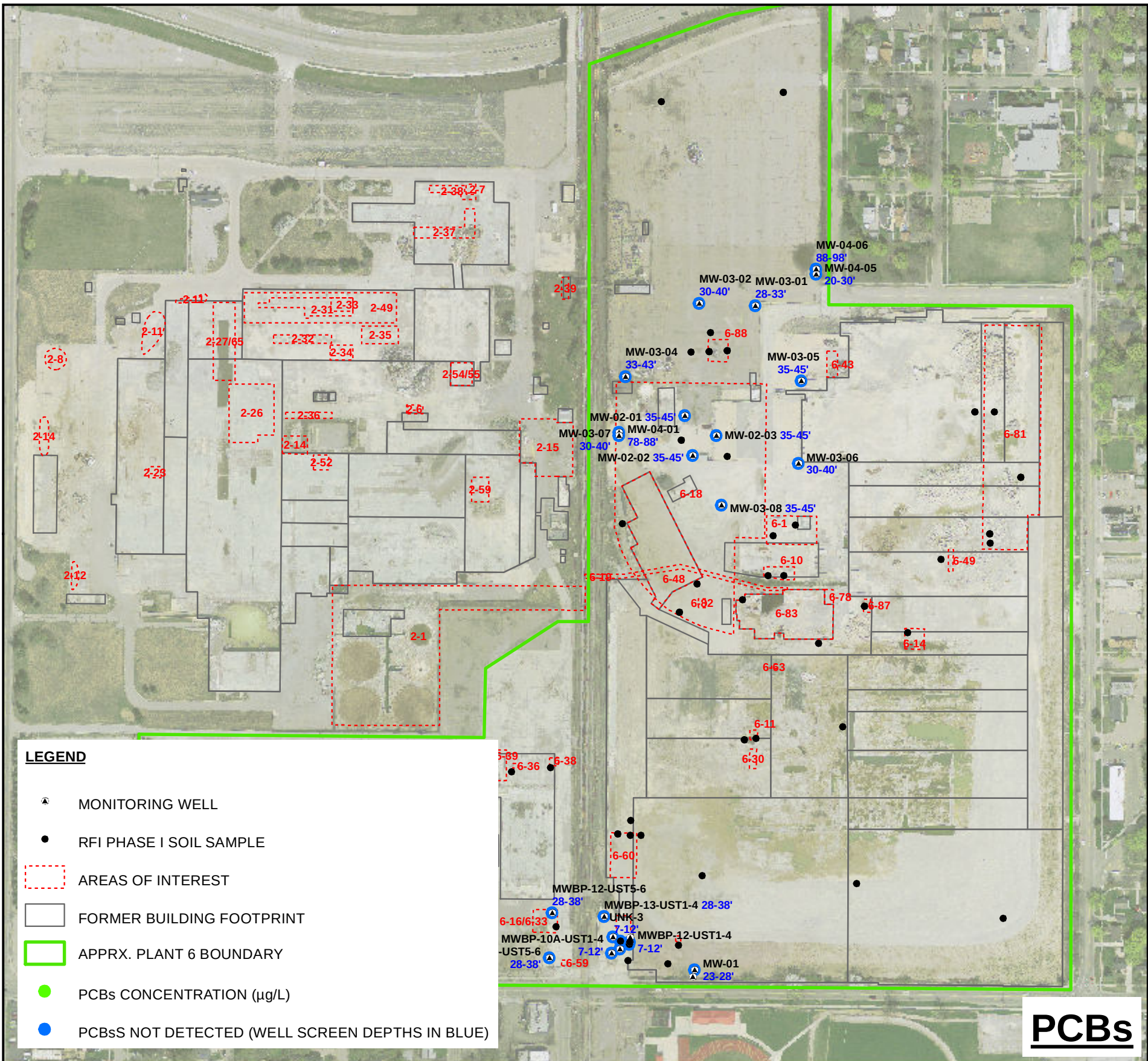
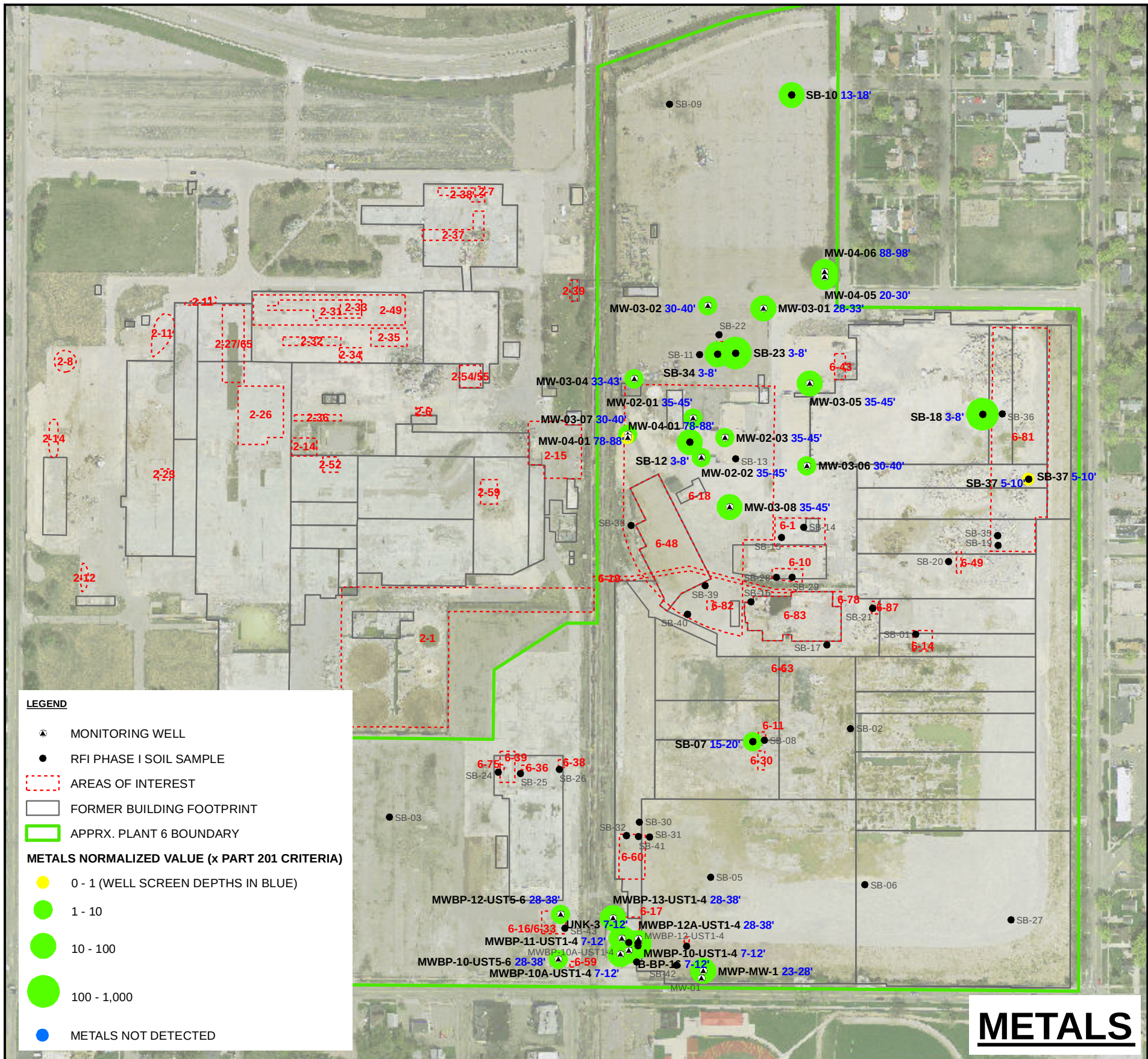
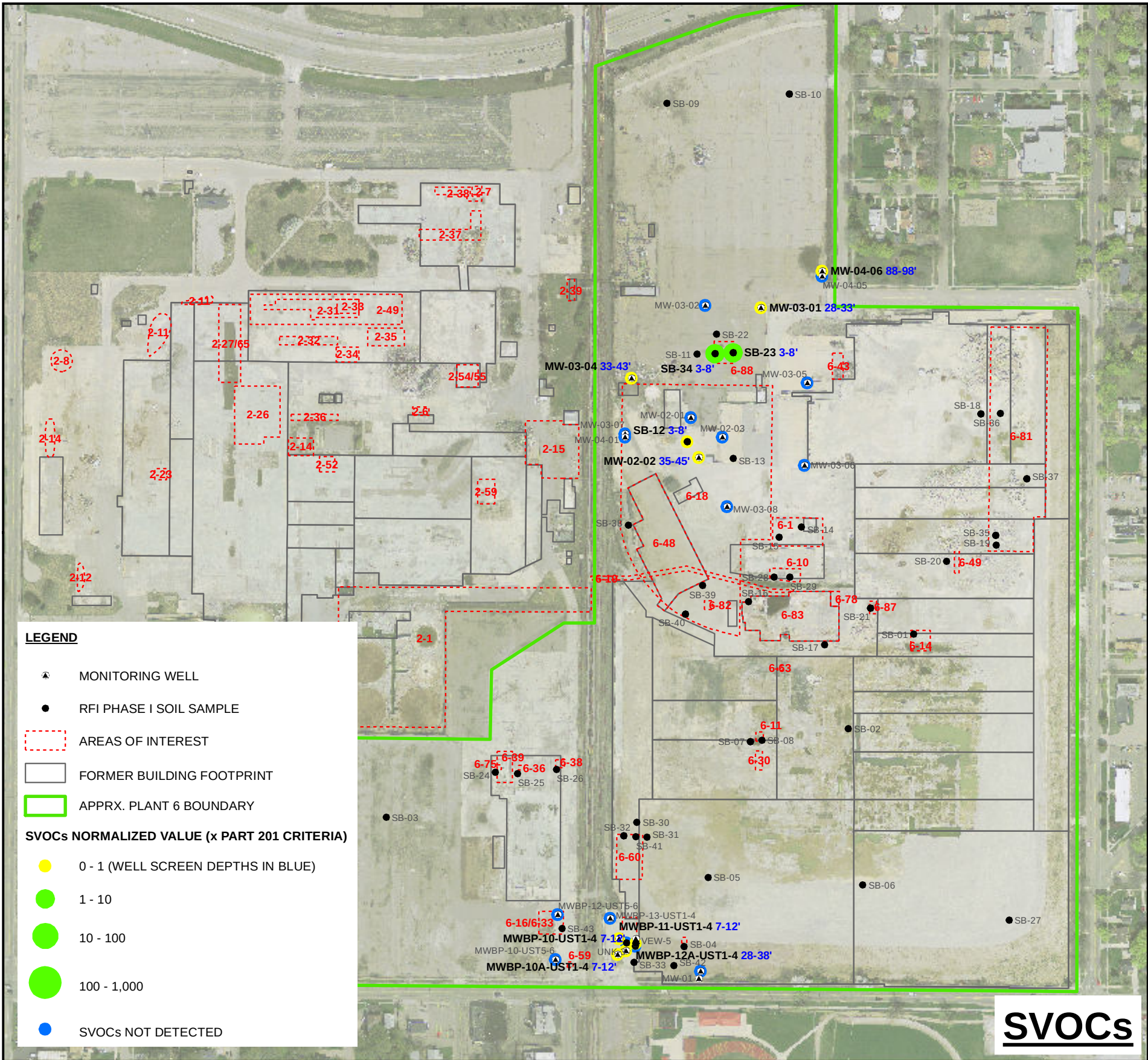
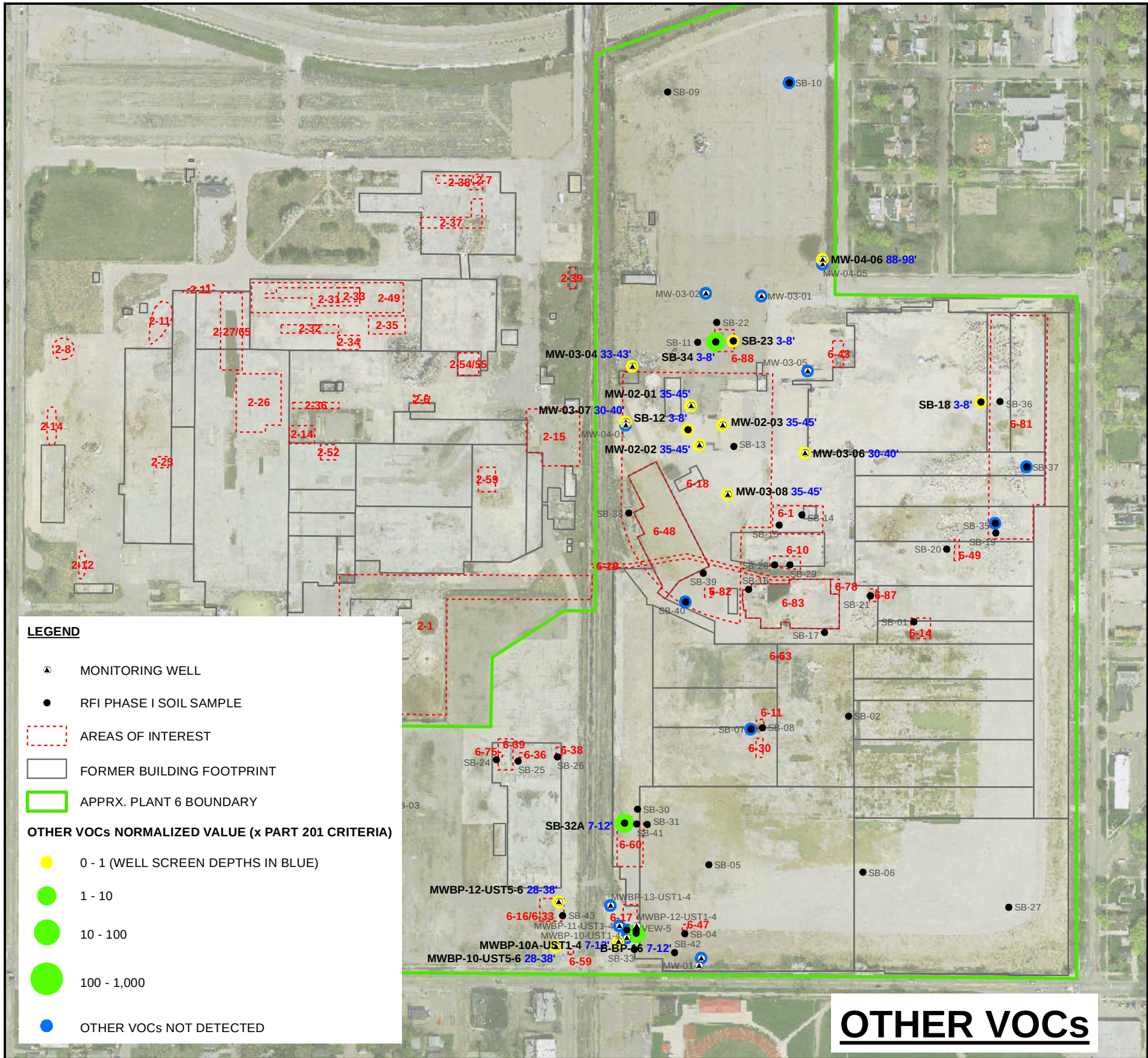
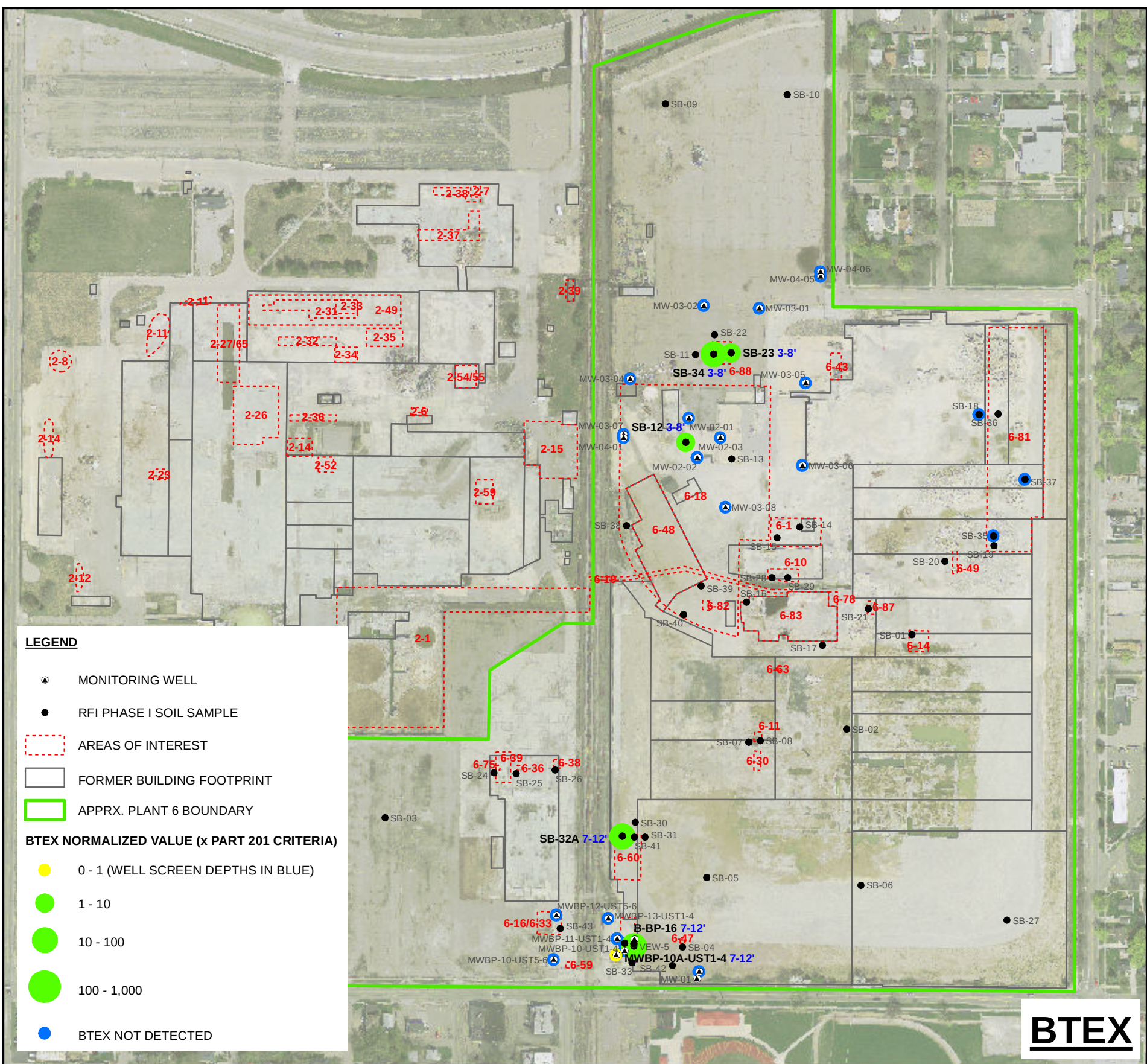
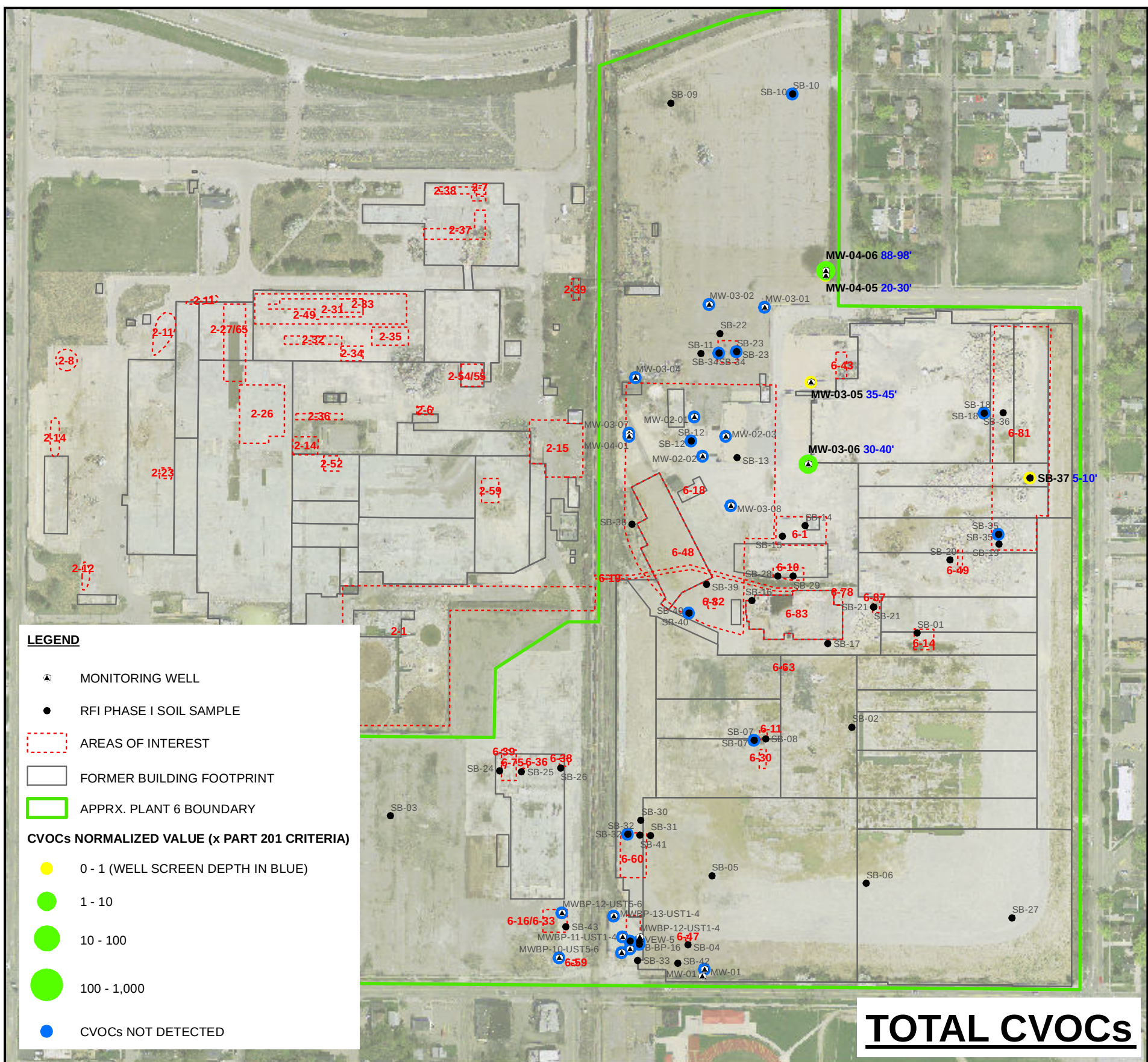
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SCALE IN FEET

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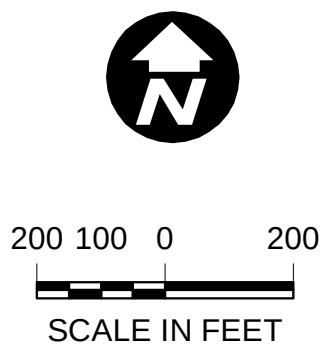
PLANT 6 RFI PHASE I INVESTIGATION SUMMARY - SOIL



FIGURE
4.1



- NOTES:
- Normalized concentration values for each monitoring well/soil boring was determined by dividing the individual compounds by the Drinking Water Protection or Groundwater Surface Water Interface Protection criteria (whichever was lower). Metals in soil were divided by the Statewide Default Background Criteria. The result for each compound was then added together to determine the total value for each compound group. Therefore a value of less than one indicates none of the compounds within the group exceed criteria. In most cases a value greater than one indicates a criteria exceedance for at least one compound within the compound group. Please refer to the appropriate analytical tables for a complete list of compound detections.
 - 2011 soil data were sampled from July-September 2011 and groundwater data were sampled from August-December 2011. Only the most recent groundwater data are shown for the five monitoring wells installed in 2011. Historical soil data were sampled from 1988-2005.
 - Historical soil data are included on the map primarily for reference and does not always include the same list of compounds as the 2011 sample data. The historical data are often missing one or more of the compounds from each compound group. The compound groups are outlined below.
 - Total CVOCs – includes cis-1,2-dichloroethene, 1,1-dichloroethene, trans-1,2-dichloroethene, trichloroethene, tetrachloroethene and vinyl chloride.
 - BTEX – benzene, toluene, ethylbenzene and xylenes. Xylenes are added together and normalized by the total xylenes criteria.
 - Other VOCs – any volatile organic compounds other than CVOCs and BTEX.
 - SVOCs – semi-volatile organic compounds. For groundwater data this represents non-filtered (total) SVOC results.
 - Metals – for the 2011 soil data this includes antimony, arsenic, barium, beryllium, boron, cadmium, total chromium, cobalt, copper, manganese, mercury, nickel, selenium, silver, thallium, vanadium, lead and zinc.
 - PCBs – polychlorinated biphenyls. The figure represents total PCB concentration and is given in mg/Kg (soil) and µg/L (groundwater).



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PLANT 6 RFI PHASE I INVESTIGATION
SUMMARY - GROUNDWATER

FIGURE
4.2

ARCADIS